The Metropolitan Water District of Southern California

Agenda

The mission of the Metropolitan Water District of Southern California is to provide its service area with adequate and reliable supplies of high-quality water to meet present and future needs in an environmentally and economically responsible way.

Board of Directors - Final - Revised 2

February 11, 2025

1:00 PM

Tuesday, February 11, 2025 Meeting Schedule
08:30 a.m. LEGAL 09:30 a.m. FAM 12:30 p.m. Break 01:00 p.m. BOD

Agendas, live streaming, meeting schedules, and other board materials are available here: https://mwdh2o.legistar.com/Calendar.aspx. Written public comments received by 5:00 p.m. the business days before the meeting is scheduled will be posted under the Submitted Items and Responses tab available here: https://mwdh2o.legistar.com/Legislation.aspx.

If you have technical difficulties with the live streaming page, a listen-only phone line is available at 1-877-853-5257; enter meeting ID: 891 1613 4145.

Members of the public may present their comments to the Board on matters within their jurisdiction as listed on the agenda via teleconference. To participate via teleconference 1-833-548-0276 and enter meeting ID: 815 2066 4276 or to join by computer click here.

MWD Headquarters Building • 700 N. Alameda Street • Los Angeles, CA 90012

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1. Call to Order

   a. Invocation: Director Tana McCoy, City of Compton

   b. Pledge of Allegiance: Director Garry E. Bryant, Foothill Municipal Water District

2. Roll Call

3. Determination of a Quorum

4. Opportunity for members of the public to address the Board on matters within the Board's jurisdiction. (As required by Gov. Code §54954.3(a))

5. OTHER MATTERS AND REPORTS

A. Chair's Second Term Priorities **21-4261**

MEETING DELAYED 1:15 P.M.

B. Report on Directors' Events Attended at Metropolitan's Expense **21-4186**

Attachments: 02112025 BOD 5B Report

C. Chair's Monthly Activity Report **21-4187**

Attachments: 02112025 BOD 5C Report
02112025 BOD 5C MAM Presentation

D. General Manager's summary of activities **21-4188**

Attachments: 02112025 BOD 5D Report

E. General Counsel's summary of activities **21-4189**

Attachments: 02112025 BOD 5E Report

F. General Auditor's summary of activities **21-4190**

Attachments: 02112025 BOD 5F Report

G. Ethics Officer's summary of activities **21-4191**

Attachments: 02112025 BOD 5G Report

H. Presentation of 10-year Service Pin to Director Marsha Ramos, City of Burbank **21-4255**

I. Presentation Commendatory Resolution for Director Timothy Smith representing San Diego County Water Authority **21-4192**

**** CONSENT CALENDAR ITEMS -- ACTION ****

6. CONSENT CALENDAR OTHER ITEMS - ACTION

A. Approval of the Minutes of the Special Meeting of the Board of Directors for January 11, 2025 and Board of Directors Meeting for January 14, 2025 (Copies have been submitted to each Director, any additions, corrections, or omissions) **21-4193**

Attachments: 02112025 BOD 6A (01112025) Minutes
02112025 BOD 6A (01142025) Minutes

MEETING DELAYED 1:15 P.M.

B. Approve Chairs and Vice Chairs for the term commencing on February 11, 2025, governance changes to committees and committee formation, and direct staff to bring back the required changes to the Administrative Code for Board approval; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA. [REVISED SUBJECT 2/7/2025] **21-4254**

Attachments: 02112025 BOD 6B BL

C. Approve Committee Assignments

7. CONSENT CALENDAR ITEMS - ACTION

7-1 Award a $2,556,478.19 construction contract to MasTec Network Solutions LLC for upgrades to the Desert microwave communications system; award a $1,531,044 procurement contract to Logicalis Inc. for communications sites network equipment; authorize an increase of $591,000 to an existing agreement with Nokia of America Corporation, for a new not to exceed amount of $5,888,000 for network materials and manufacturer's field services; and authorize an increase of $680,000 to an existing agreement with Hatfield & Dawson Consulting Engineers LLC, for a new not to exceed amount of $1,410,000 to provide technical support during construction; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA (EOT) **21-4194**

Attachments: 02112025 EOT 7-1 B-L
02102025 EOT 7-1 Presentation

7-2 Award a $1,931,217 contract to Fencecorp Inc. for perimeter fencing at the housing and playground areas and playground area shade improvements at four Colorado River Aqueduct Pumping Plant villages; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA (EOT) **21-4195**

Attachments: 02112025 EOT 7-2 B-L
02102025 EOT 7-2 Presentation

MEETING DELAYED 1:15 P.M.

7-3 Authorize an agreement with Computer Aid, Inc. in an amount not to exceed $6 million for co-managed support services for the operation and maintenance of the Metropolitan Cybersecurity Operations Center; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA. [REVISED SUBJECT 2/4/2025] (EOT) **21-4196**

Attachments: 02112025 EOT 7-3 B-L (Revised)
02102025 EOT 7-3 Presentation

7-4 Authorize the General Manager to enter into an agreement with Palo Verde Irrigation District to jointly fund community investment in Palo Verde Irrigation District's service area; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA (OWS) **21-4198**

Attachments: 02112025 OWS 7-4 B-L
02112025 OWS 7-4 Presentation

7-5 Authorize the General Manager to approve a new three-year agreement with WaterWise Consulting, Inc. for the Large Landscape and Residential Survey Program, for a total agreement not to exceed $200,000/year; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA (OWS) **21-4200**

Attachments: 02112025 OWS 7-5 B-L
02112025 OWS 7-5 Presentation

7-6 Authorize the General Manager to expand the Bard Seasonal Fallowing Program and amend the System Conservation Implementation Agreement for Bard Seasonal Fallowing Program to increase its program size from 3,000 acres to 6,000 acres for the years 2025 and 2026; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA (OWS) **21-4247**

Attachments: 02112025 OWS 7-6 B-L
02102025 OWS 7-6 Presentation

MEETING DELAYED 1:15 P.M.

7-7 Review and consider the Lead Agency's certified Final Environmental Impact Report and Initial Study and take related CEQA actions, and adopt resolution for 117th Fringe Area Annexation to Eastern Municipal Water District and Metropolitan (FAM) **21-4206**

Attachments: 02112025 FAM 7-7 B-L
02112025 FAM 7-7 Presentation
9370 Resolution.pdf

**** END OF CONSENT CALENDAR ITEMS ****

8. OTHER BOARD ITEMS - ACTION

8-1 Authorize the General Manager to execute transfers, exchanges, and other State Water Project management transactions during 2025 and 2026; grant final decision-making authority to the General Manager subject to the terms set forth in this letter; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA. [2/3/2025 SUBJECT REVISED] (OWS) **21-4199**

Attachments: 02112025 OWS 8-1 B-L
02102025 OWS 8-1 Presentation

MEETING DELAYED 1:15 P.M.

8-2 Authorize the execution of lease amendments with existing tenants, D&L Farms, Inc., Dinelli Farms and Sierra Cattle Company, to extend the term up to two years for Dinelli Farms and Sierra Cattle and provide D&L Farms with up to a one-year, move-out period while adjusting the rent for all three tenants, thereby allowing the existing tenants to continue farming on Metropolitan's fee-owned property in the Sacramento-San Joaquin Delta, with temporary tenant replacement and land preservation procedures in the event of tenant default or surrender of land; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA [Conference with real property negotiators; properties totaling approximately 5,603 gross acres in the area commonly known as Bacon Island, also identified as San Joaquin County Assessor Parcel Nos. 129-050-01, 129-050-02; 129-050-03; 129-050-04; 129-050-05; 129-050-06; 129-050-07; 129-050-08; 129-050-09; 129-050-11; 129-050-12; 129-050-13; 129-050-14; 129-050-15; 129-050-16; 129-050-17; 129-050-18; 129-050-19; 129-050-24; 129-050-25; 129-050-26; 129-050-27; 129-050-28; 129-050-52; 129-050-54; 129-050-55; 129-050-56; 129-050-60; approximately 3,103 gross acres in the area commonly known as Bouldin Island West, also identified as San Joaquin County Assessor Parcel Nos. 069-030-35, 069-030-36, 069-030-37, 069-030-38, 069-030-39, 069-100-02; approximately 2,728 gross acres in the area commonly known as Bouldin Island East, also identified as San Joaquin County Assessor Parcel Nos. 069-100-01; 069-100-02; 069-030-39; agency negotiators: Kevin Webb, and Kieran Callanan; negotiating parties: Leisha Robertson dba D&L Farms; Robert Hilarides dba Sierra Cattle Company; Steve Dinelli dba Dinelli Farms; under negotiation: price and terms; to be heard in closed session pursuant to Government Code Section 54956.8] (FAM) **21-4205**

Attachments: 02112025 FAM 8-2 Open Session Presentation

8-3 Report on litigation in Ryan Tiegs v. Metropolitan Water District of Southern California, Riverside County Superior Court Case No. CVPS2306176, and authorize increase in the maximum amount payable under a contract for legal services with Seyfarth Shaw LLP in the amount of $300,000 for a total amount not to exceed $825,000; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA [Conference with legal counsel – existing litigation; to be heard in closed session pursuant to Gov. Code Section 54956.9(d)(1)]. [REVISED SUBJECT 2/6/2025] (LC) **21-4275**

9. BOARD INFORMATION ITEMS

MEETING DELAYED 1:15 P.M.

9-1 Report on Conservation Program **21-4248**

Attachments: 02112025 OWS 9-1 B-L

9-2 Information on proposed agreements with the City of San Buena Ventura and Calleguas Municipal Water District for wheeling and emergency delivery of State Water Project water (OWS) **21-4201**

Attachments: 02112025 OWS 9-2 B-L
02102025 OWS 9-2 Presentation

9-3 Update on treatment approaches, contingencies, and amendments to the High Desert Water Bank Program agreement (OWS) **21-4202**

Attachments: 02112025 OWS 9-3 B-L
02102025 OWS 9-3 Presentation

10. OTHER MATTERS

NONE

11. FOLLOW-UP ITEMS

NONE

12. FUTURE AGENDA ITEMS

13. ADJOURNMENT

NOTE: Each agenda item with a committee designation will be considered and a recommendation may be made by one or more committees prior to consideration and final action by the full Board of Directors. The committee designation appears in parenthesis at the end of the description of the agenda item, e.g. (EOT). Board agendas may be obtained on Metropolitan's Web site https://mwdh2o.legistar.com/Calendar.aspx

Writings relating to open session agenda items distributed to Directors less than 72 hours prior to a regular meeting are available for public inspection at Metropolitan's Headquarters Building and on Metropolitan's Web site https://mwdh2o.legistar.com/Calendar.aspx.

Requests for a disability-related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting should be made to the Board Executive Secretary in advance of the meeting to ensure availability of the requested service or accommodation.

MEETING DELAYED 1:15 P.M.

February 11, 2025 Board Meeting

Item 5B

Metropolitan Water District of Southern California
Summary of Events
Attended by Directors at Metropolitan's Expense in January 2025

None

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Report

• Chair of the Board Adán Ortega Jr.'s Monthly Activity Report – January 2025

Summary

This report highlights my activities as Chair of the Board during the month of January 2025 on matters relating to The Metropolitan Water District of Southern California's business.

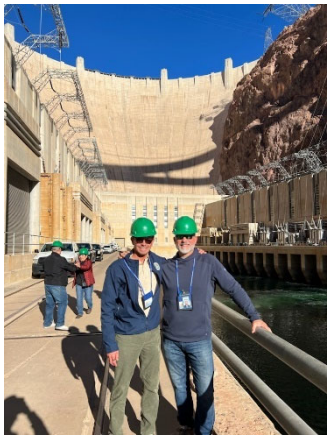
Monthly Activities

Key Activities

- General Manager Deven Upadhyay and I continue to conduct Metropolitan site visits to meet with the employees, provide district updates, and listen to and address their concerns. This month, we traveled to Lake Mathews in Riverside. We participated in a robust question-and-answer session addressing various topics, including Metropolitan's local and regional planning investments, workforce initiatives, and CAMP4W. We emphasized our commitment to upholding high service standards and transparency. I communicated the Board's strong unity in recent tough decisions and our united concern for their well-being. I was encouraged by the focus the workforce is demonstrating on our mission of providing safe and reliable drinking water to the community. General Manager Deven Upadhyay's comments and answers to questions were received with candor, appreciation, good humor, and with sincere thanks.

- Joined the swearing-in of Director Mel Katz who was appointed to the Metropolitan Board to represent the San Diego County Water Authority. Katz has served on the Water Authority's board of directors since 2018, representing the city of Del Mar, and served as chair from 2022 to 2024. He succeeds Tim Smith, who represented the Water Authority on Metropolitan's 38-member board since January 2018.

- Director Camacho and I, along with representatives from the City of San Fernando and the Inland Empire Utilities Agency, participated in a two-day joint inspection Colorado River Aqueduct trip. The inspection trip program aims to educate officials, business and environmental leaders, and community members about Southern California's water resources and infrastructure. It offers participants a unique opportunity to engage with Metropolitan's directors and staff while touring facilities.



- I joined General Manager Deven Upadhyay and Assistant General Manager of Operations Shane Chapman in an inspection of Eaton Fire Emergency Response Operations and the devastated area. Mr. Chapman provided us an in-depth look at the impacted water facilities, recovery efforts, response strategies, and operational needs. The visit included a review of emergency protocols, equipment readiness, and personnel coordination in handling fire and rescue situations. We had an opportunity to speak with key responders and managers of impacted local water suppliers who offered valuable insights into their needs, capabilities and areas for potential improvement. All were grateful for Metropolitan's readiness to respond to calls for assistance.

- I had the honor of helping with the dedication of Metropolitan's board room in honor of Phillip J. Pace, who represented Central Basin Municipal Water District on Metropolitan's Board of Directors from 1995 to 2008 and chaired Metropolitan's board from 1999 to 2005. Mr. Pace was last in the boardroom in October 2022 when I was elected chair, and he passed away three weeks later, before my swearing-in in January 2023, when I had invited him to speak. More than 150 people, including Mr. Pace's family, friends and former Metropolitan colleagues, attended the dedication, the unveiling of Phil Pace's portrait by acclaimed artist Eloy Torrez, and honored the man who helped shape Metropolitan into the public agency it is today.

- On January 29, after a special joint Board of Directors and Executive Committee meeting, at the Board's direction, I signed a letter exercising Metropolitan's contractual right to release General Manager Adel Hagekhalil from our employment effective immediately. This was a painful chapter of our service and for all involved, and I am proud of the board's methodical evaluation of the matter and action with broad

agreement after 7 months. I was also proud of the unanimous vote by the board appointing Deven Upadhyay as our General Manager.

Regularly Scheduled/Ongoing Meetings

I continue to meet regularly to review the Board's organizational issues and coordinate activities with the Board Vice Chairs and Department Heads.

WEST BASIN

Municipal Water District

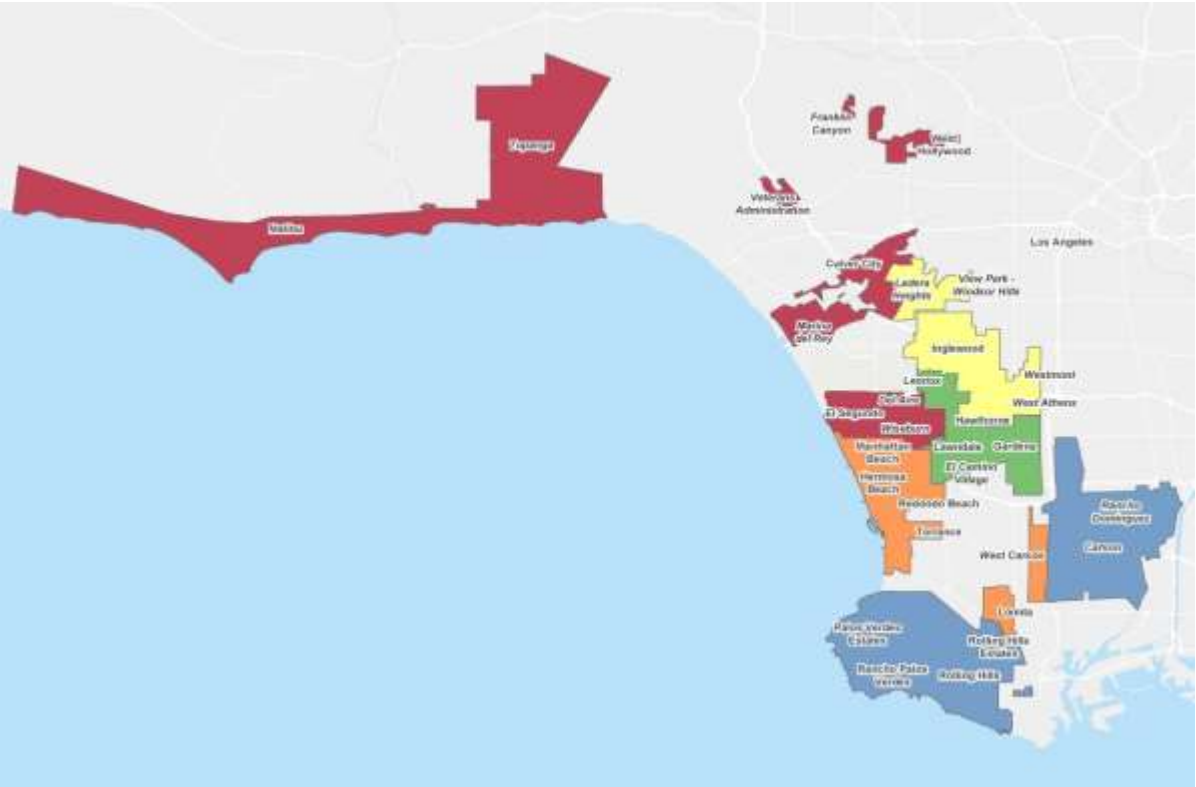
Overview of West Basin Municipal Water District

E.J. Caldwell
General Manager

Mission

Provide a **safe** and **reliable** supply of **high-quality water** to the communities we serve.

Service Area



Division I
Carson, Palos Verdes Estates, Rancho Palos Verdes, Rolling Hills, Rolling Hills Estates, and the unincorporated LA County areas of Rancho Dominguez

Division II
Inglewood, portions of the cities of Gardena and Hawthorne, and the unincorporated LA County areas of Ladera Heights, View Park-Windsor Hills, West Athens, and Westmont

Division III
Hermosa Beach, Lomita, Manhattan Beach, Redondo Beach, a portion of the city of Torrance, and the unincorporated LA County area of West Carson

Division IV
Culver City, El Segundo, Malibu, West Hollywood, a portion of the city of Hawthorne, and the unincorporated LA County areas of Del Aire, Marina del Rey, Topanga, and Wiseburn

Division V
Lawndale, portions of the cities of Gardena and Hawthorne, and the unincorporated LA County area of El Camino Village and Lennox

Board of Directors

Division I

Vacant

Division II

Gloria D. Gray
President

Division III

Desi Alvarez
Secretary

Division IV

Scott Houston
Treasurer

Division V

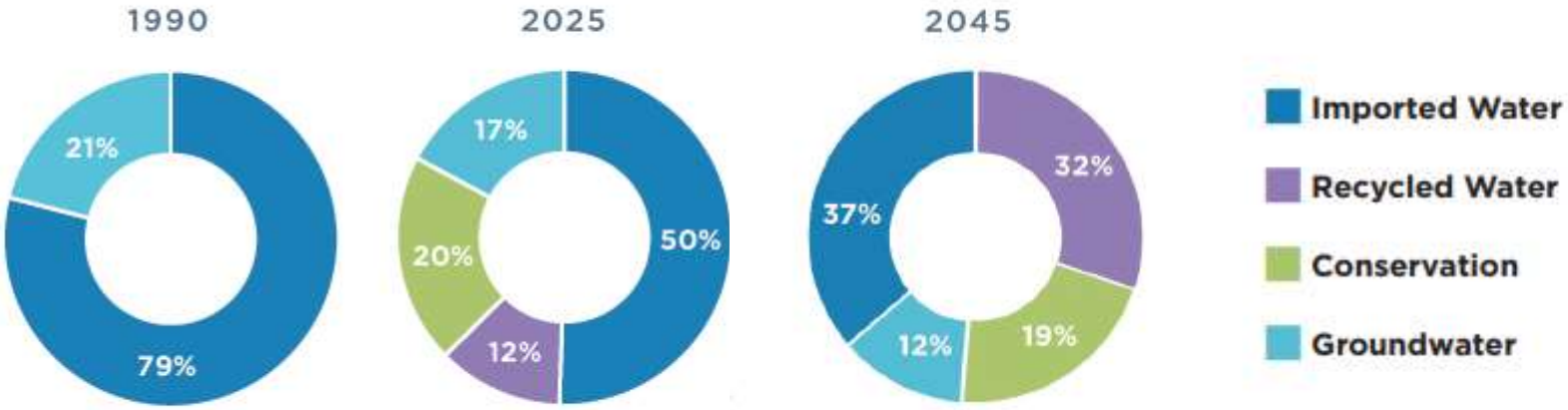
Donald L. Dear
Vice President

West Basin Drinking Water Purveyors/Retailers

Golden State
Water Company
A Subsidiary of American States Water Company

Our Supply

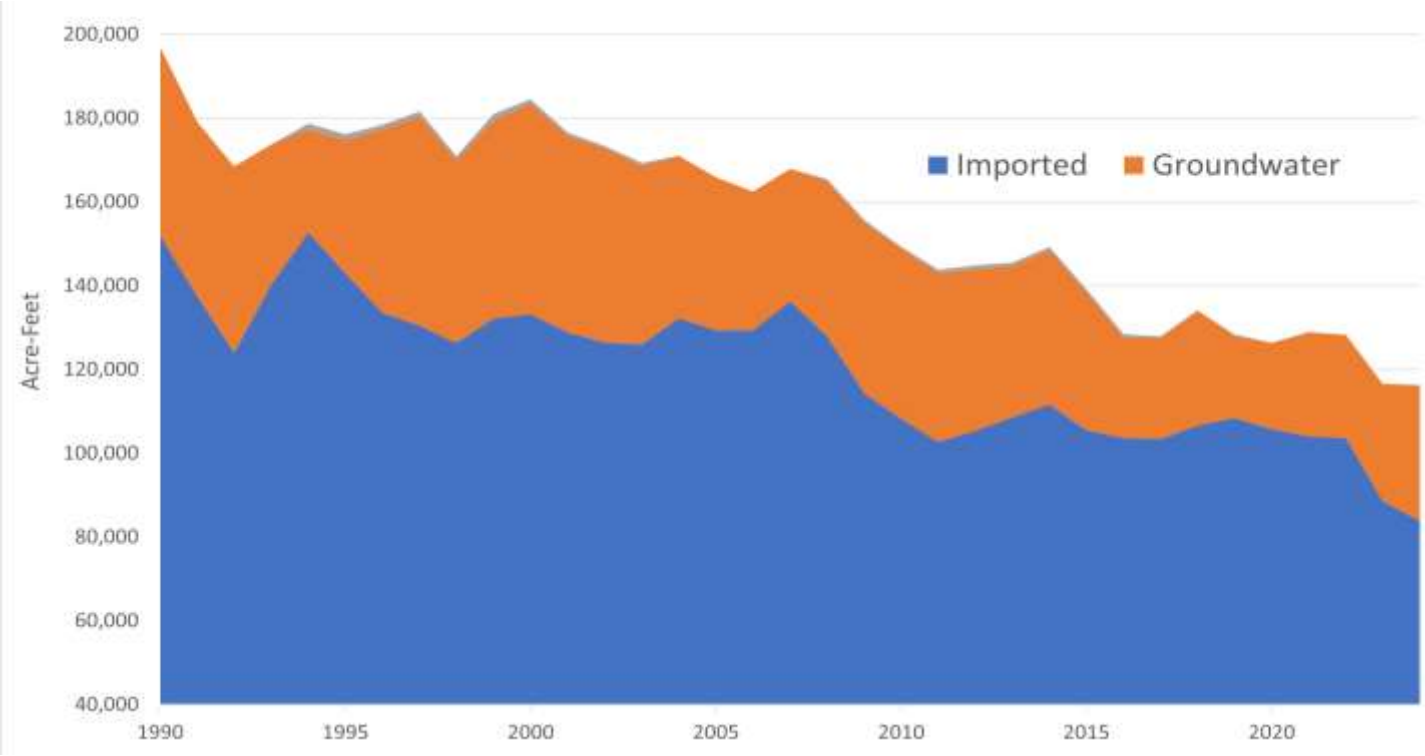
Water Supply Portfolio in the West Basin Service Area



Water Supply Priorities

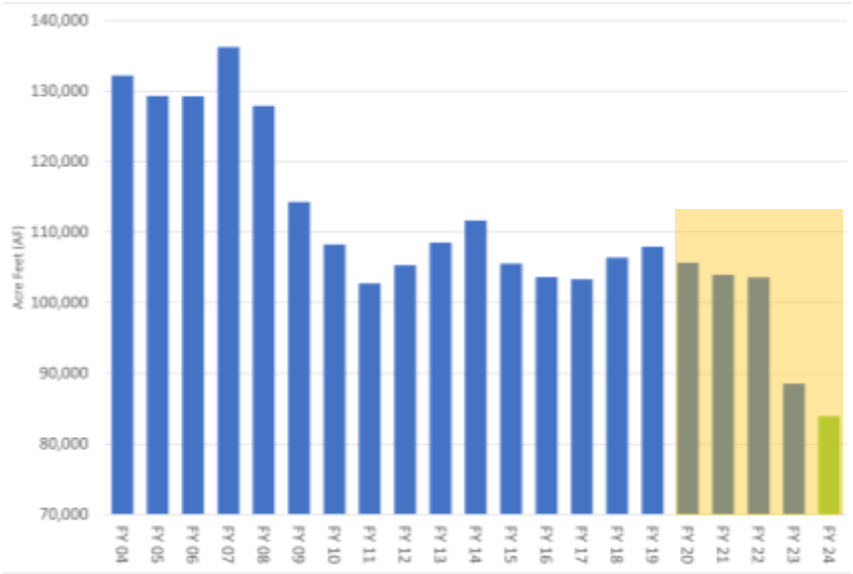
Increase Local Supplies (Recycled and Groundwater)
Maintain reliable imported supplies
Support region-wide water efficiency/conservation efforts

Service Area Drinking Water Demand Since 1990



Relationship Between Imported Demand and Groundwater Use

Imported Water Demand



Groundwater Production Trends

Water Recycling

Diversifying the Water Supply Portfolio

West Basin Water Recycling – 30 Years of Local Supply Reliability

Edward C. Little Water Recycling Facility
El Segundo, Calif.

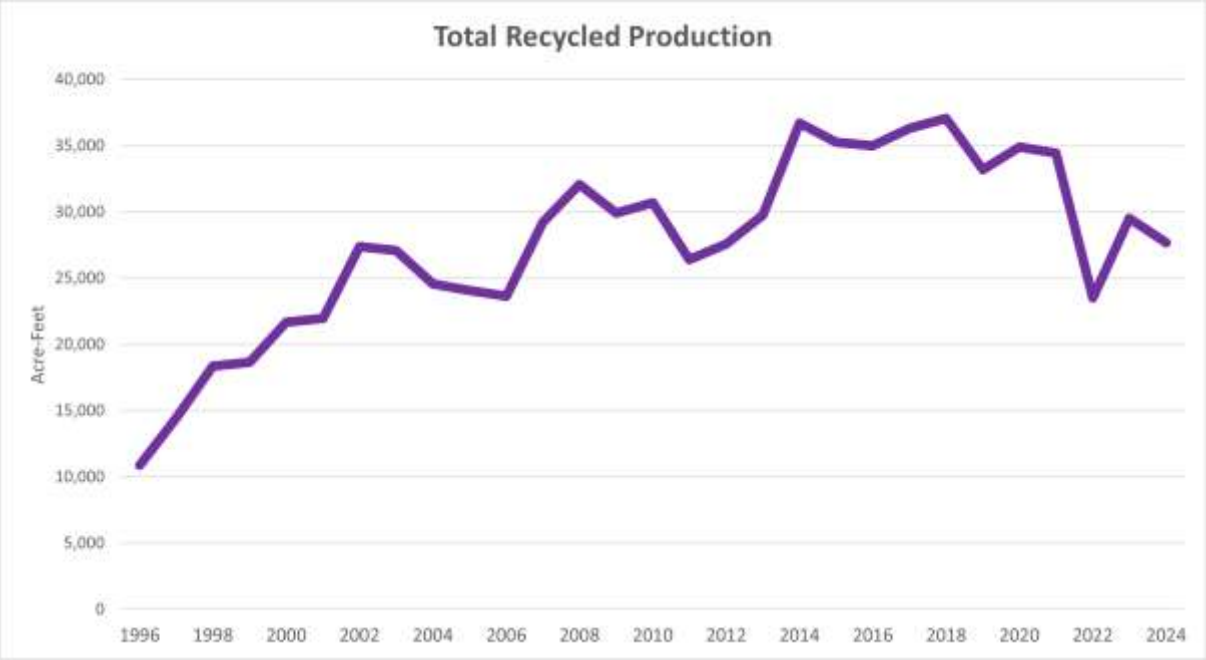
- 2025 marks the **30th Anniversary** of West Basin recycled water program
- **30-40 million gallons per day** produced and prevented from entering the ocean
- **Five** types of recycled water
- Over **13,000 visitors** annually

Benefits of West Basin Recycled Water

Edward C. Little Water Recycling Facility
El Segundo, Calif.

- **Local, reliable, drought-resilient**
- Supports important **regional industries**
- **Conserves drinking water** for residential use
- Uses significantly **less energy** than imported water
- **Improves ocean water quality** by reducing local sewer water discharges
- Contributes to the **protection** of our groundwater basin **from seawater intrusion**

Water Recycling



West Basin has saved enough drinking water for **8.3 million** people for one year!

5 Types of Recycled Water

Irrigation Water
Filtered and disinfected for industrial and irrigation use.

Cooling Tower Water
Processed to remove ammonia for industrial cooling tower use.

Low-Pressure Boiler Feed Water
Membrane filtration and reverse osmosis membranes

High-Pressure Boiler Feed Water
Membrane filtration and passed through reverse osmosis membranes twice

Groundwater Replenishment Water
Membrane filtration, reverse osmosis, and disinfection for use in a barrier against seawater intrusion, augmenting local well water supplies.

Recycled Water Customers

The Future of the West Basin Recycled Water Program

LOS ANGELES COUNTY SANITATION DISTRICTS
Converting Waste Into Resources

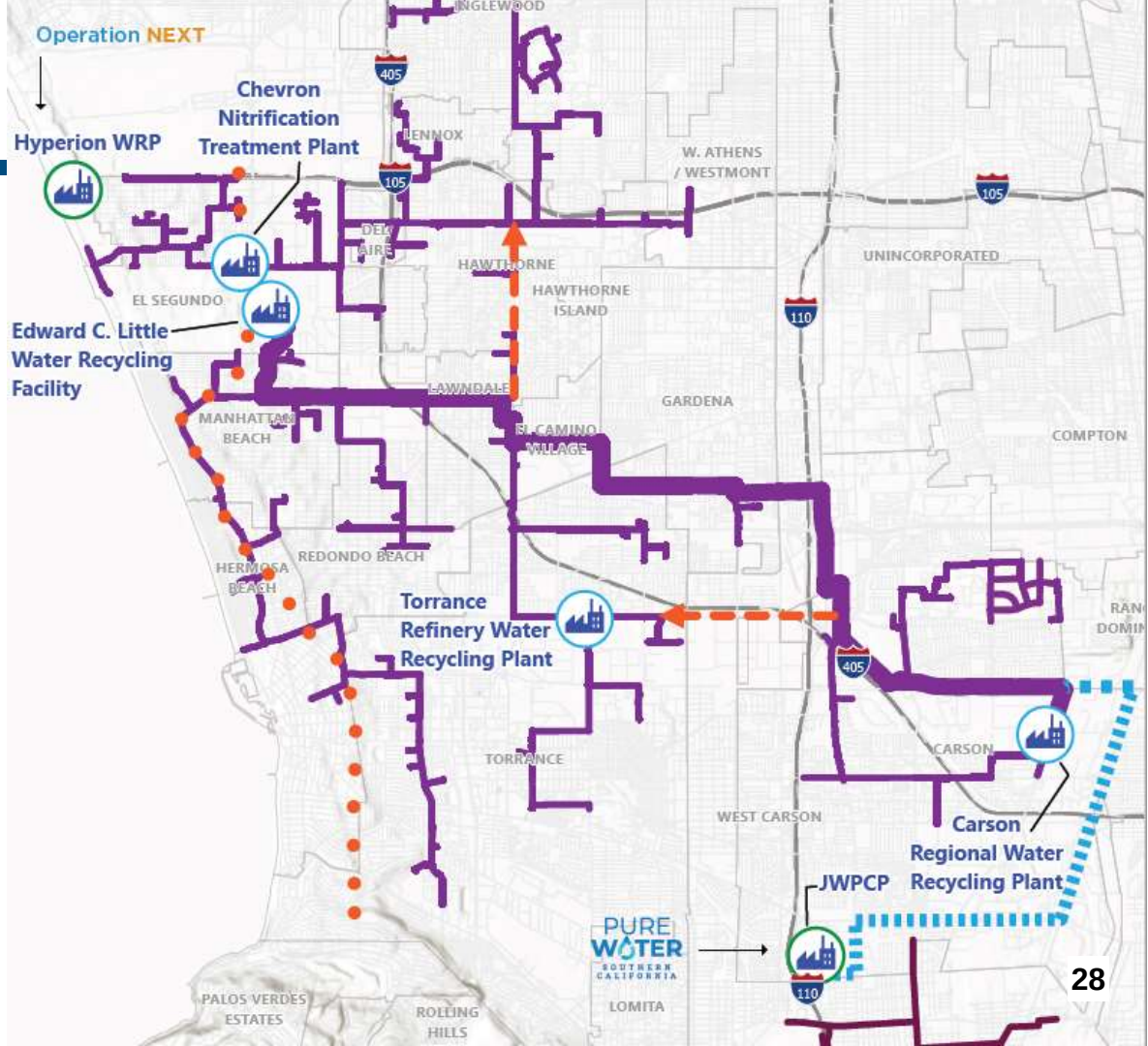
LA DWP Los Angeles Department of Water & Power

environment LA SANITATION
CITY OF LOS ANGELES

WRD

A Vision for the Future

- West Basin is well situated to take source water from both Metropolitan and Los Angeles to produce and/or deliver recycled water to the region
- Ensure future reliability for:
  - Industrial customers (economy)
  - Healthy greenscapes (community)
  - Groundwater pumping (local supplies)
  - Groundwater barrier (environment)



Water Use Efficiency

Be SUPER-CALI-FRUGALISTIC!

Conservation/Water Efficiency Programs

Grass Replacement Rebates

Landscape Classes & Plant Resources

Free Rain Barrels

Water Efficient Device Rebates

Commercial Programs

Get Paid $3 per Square Foot of Grass Replaced

West Basin Municipal Water District

Public Agency Grass Replacement Rebate Program

Rebates start at $4

Landscape design assistance

Projects up to 200,000 square feet

Eligible public agencies include any federal, state, regional, local governmental entity:

- city-owned landscapes, parks, schools
- special districts
- joint power authorities
- agencies or departments

Before

After

Community Programs

West Basin Water Lab – A Learning Experience

WATER LAB

www.westbasin.org/water-lab

Know Your H_2O Class Series

Water Recycling Facility Tours

Field Trips & Student Resources

Community Update Program (Speakers Bureau)

Garden Design Workshops (MWD)

Firescaping Workshops

- Identify high-risk landscapes
- Use recommended plants and building materials to help minimize damage
- Tips for reducing fire risk
- Making homes firefighter-accessible

Rain Barrel Program

Free Giveaway Events

- Register for one of our five annual events
- 1,500 total rain barrels distributed every year
- Valued at about $80 each
- Save water and money!

Final Event of 2025

- Palos Verdes Peninsula High School/Rolling Hills Estates
- January 25, 2025
- 8–11 AM

Water Bottle Filling Station Grant Program

West Basin Municipal Water District

Water Bottle Filling Station Grant Program

West Basin provides grant funding to use toward the purchase of eco-friendly water bottle filling stations at public facilities. This program provides the community with access to safe, reliable tap water to fill personal, reusable water bottles.

Wall-mounted stations
Indoor or outdoor
Eligible for funding up to $1,000

To be eligible, applicants must:

- Own or operate a public facility (e.g., city, school, community center, park, recreation area, etc.).
- Be located in the West Basin service area.
- Meet all specified criteria and fulfill application requirements.

Apply Now!
For program guidelines and application, visit
westbasin.org/fillingstations

Pedestal stations
Outdoor only
Eligible for funding up to $2,000

Board of Directors

Harold C. Williams | Gloria D. Gray | Desi Alvarez | Scott Houston | Donald L. Dear

West Basin offers public agency grants of up to $2,000 for the purchase of indoor or outdoor water bottle filling stations

E.J. Caldwell
General Manager

edwardc@westbasin.org

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West Basin Municipal Water District

General Manager's Monthly Report

Activities for the Month of January 2025

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Message from the General Manager

I am honored and grateful for the opportunity to step into the role of General Manager. After nearly three decades of service at Metropolitan, I deeply understand our shared commitment and responsibility to deliver reliable, sustainable water supplies to Southern California. While this commitment has remained a constant throughout Metropolitan's history, it is only by embracing change that we have evolved into the world-class organization we are today.

We must make strategic investments in infrastructure, climate adaptation, and our workforce to position Metropolitan for long-term success. This work is not just for us—it is for future generations. We are creating a resilient, sustainable system that will serve Southern California for years to come.

As we build a stronger Metropolitan, Southern California is going to be rebuilding too, recovering from the devastating wildfires. I want to recognize the unwavering commitment of our teams throughout the fire emergency. Whether it was adjusting operations, staffing emergency centers, supporting communications, or ensuring our member agencies had the resources they needed, our employees made a significant difference. I also acknowledge those within our organization and our member agencies who were personally impacted. We remain committed to supporting them.

In parallel, we face a shifting political landscape with potential policy changes in water regulations, infrastructure investments, and operations on the Colorado River and State Water Project. While the shifting has created uncertainty, we are not standing still. We are proactively engaging with federal and state leaders to protect the interests of our region and ensure that Metropolitan remains at the forefront of these discussions.

Additionally, diversity, equity, and inclusion remain a core priority. Metropolitan has long embraced programs that cultivate a diverse workforce, support underserved communities, and engage with stakeholders across the region. These are values the Board has championed because they make us stronger and more effective. Together, we will continue to build upon them.

I look forward to continuing to work closely with the Board and each of your agencies as we navigate these challenges and opportunities together.

Deven Upadhyay
General Manager

Strategic Priorities Update

The General Manager's Strategic Priorities guide actions in key areas of change and opportunity that will strengthen Metropolitan and its ability to fulfill its mission. Review the General Manager's Business Plan for FY24-25 and the "SMART Tracker" dashboard of specific actions that advance the Strategic Priorities.

Empower the workforce and promote diversity, equity, and inclusion

Goal Dashboard

8 Outcomes in progress an on target

Build a safe, inclusive, and accountable workplace where all employees feel valued, respected, and able to meaningfully contribute to decisions about their work to fulfill Metropolitan's Mission.

Over 70 percent of the workforce has received the Civil and Inclusive Workplace training as of the end of 2024.

The Equal Employment Opportunities Office (EEO) has been working to increase employee access to EEO, including by conducting an educational and interactive presentation at the Weymouth Treatment Plant. The presentation included a discussion of Metropolitan's EEO policies, a manager's obligation to immediately report EEO-related incidents, and the EEO complaint process.

Sustain Metropolitan's mission with a strengthened business model

Goal Dashboard

5 Outcomes in process. 1 Outcome behind schedule.

Develop revenue and business model options that support the needs of the member agencies as well as Metropolitan's financial sustainability and climate adaptation needs.

The member agency-led Business Model Workgroup met and made further progress toward shaping near-term recommendations that it can present to the Working Group in March. In addition to reviewing the discussions of two of its three sub-working groups, there was discussion about how longer-term recommendations might emerge, including through the planned System Reliability Study. All member agencies used a virtual platform to share refinement options and to develop and prioritize potential refinement options. A GM strategic roundtable followed by two workshops helped prioritize these refinement options. General agreement has been reached to focus on eight areas as possible near-term refinements, listed below, while still working to identify long-term refinement areas.

1. Treated Water Surcharge
2. Reserve Policy
3. Water Sales Assumptions for Budgeting Purposes
4. Potential for Level Payment Plans
5. Potential for Member Agency Exchange Program
6. Potential for Policy to Support Sales Outside of Service Area
7. Conservation and Local Resource Planning
8. Basic Level of Service Policy

Identify and secure programmatic cost savings, organizational efficiencies and external funding.

In addition to the broader evaluation of the effect on other areas of Metropolitan's business, the Centralized Grants Office, External Affairs, and other involved staff are closely monitoring executive orders and actions from the Trump administration which have created widespread concern about grant funding being delayed or cancelled. Work is paused, for example, on finalizing agreements for "Bucket 2" funding of long-term conservation of Colorado River water. We are sharing overall status and pertinent information with the Southern California Water Utilities Grants Network that the Grants Office initiated last year, and we will continue to update the Board as the situation develops.

Adapt to changing climate and water resources

Goal Dashboard

10 Outcomes in process. 1 Outcome behind schedule.

Provide each member agency access to an equivalent level of water supply reliability.

Climate Adaptation

Staff has completed the first Climate Adaptation Master Plan for Water (CAMP4W) Annual Report, which is a primary feature of Metropolitan's progression toward an adaptive management approach to resource planning. The Annual Report provides up-to-date data to inform decisions on project and program investments and strategy development. It tracks signposts, which serve as measurable indicators of the direction and trends of identified drivers of change, and also summarizes the status of time-bound targets and reports on progress made toward CAMP4W goals and initiatives. This first Annual Report includes ongoing tracking of signposts for water supply and demand. Future Annual Reports will also include infrastructure and financial signposts, which will be further refined over the coming year.

Tracking these signposts is essential for identifying trends that may signal a need to modify or update the Integrated Resources Plan (IRP) Regional Needs Assessment assumptions and/or the CAMP4W Time-Bound Targets. Because this is the first report following the CAMP4W process, it has been provided to the Board and member agencies for comment to best set the template for future annual reports.

CAMP4W Annual Report

Tracking signposts supports an adaptive management approach to resource planning in the face of uncertainties of climate change

Staff also provided to the Board and member agencies a Draft Climate Adaptation Policy Framework, to help guide the implementation of CAMP4W, including the development and pursuit of new and enhanced policies, initiatives and partnerships. While many of the Board's deliberations related to CAMP4W to date have focused on the development of the Climate Decision-Making Framework, board policy direction is necessary to institutionalize climate adaptation across the agency. The Framework identifies five high-level policy objectives which provide guidance for proactively integrating climate adaptation planning and implementation into Metropolitan activities.

Equitable Supply Reliability

Progress is being made in several projects to improve long-term water supply reliability for the State Water Project-dependent areas, including the following, which are among the highlights from January:

- The contractor is modifying the entry gate to prepare for the arrival of the large isolation valve for the Wadsworth Pump Plant Bypass, which is to be installed in the coming weeks.
- The start of Phase 2 of Sepulveda Pump Stations is planned for March 2025.
- Phase 2 of the Surface Water Storage Study is 80 percent complete, having identified a shortlist of potential sites and a set of proposed evaluation criteria. Completion is anticipated by June 2025. An update was given to the Subcommittee on Pure Water Southern California and Regional Conveyance (PWSCRC).

Advance the long-term reliability and resilience of the region's water sources through a One Water approach that recognizes the interconnected nature of imported and local supplies, meets both community and ecosystem needs and adapts to a climate change.

Climate Action Plan

The recruitment for a Climate Action Plan Program Manager is complete, and the new staff will join Metropolitan in February 2025.

Staff has completed the verification process for reporting 2023 emissions to The Climate Registry, and staff is preparing the Climate Action Plan annual report to be issued this spring.

Staff received feedback from the Institute for Sustainable Infrastructure in support of our preparing a final submittal for a second project to the Envision program, which rates sustainability features of infrastructure projects.

Delta Conveyance Planning

In January, the Delta Stewardship Council dismissed the four appeals of California Department of Water Resources certification of consistency for 2024–2026 geotechnical work related to the Delta Conveyance Project. It dismissed the appeals for lack of jurisdiction because the 2024–2026 geotechnical work is not a covered action.

Outdoor Water Use Efficiency

The Water Use Efficiency coordinator meeting held in January included discussion of tools that will assist agencies with Conservation as a California Way of Life (CAACWOL) legislative compliance, including a matrix developed by staff highlighting areas where agencies can rely on Metropolitan's regional programming to comply with specific commercial, industrial, and institutional best management practices spelled out in the framework.

Pure Water

With terms consistent with direction from the Board of Directors, the agreement with the United States Bureau of Reclamation (USBR) to accept up to $125.5 million in Large-Scale Water Recycling Program (LSWR) grant funding was finalized on January 10, 2025. Metropolitan staff continues to monitor the new administration's actions related to federal funding and grants. Solicitations for another round of LSWR funding may be made this spring, and staff is discussing whether to apply for this additional funding.

Pure Water Funding

Agreement finalized for USBR grant of up to $125.5 million

The Conveyance Facilities Conceptual Design Report is anticipated to be complete in the next couple of months. Preliminary design of the first two pipeline reaches is anticipated to be complete later this year. Current work includes utility and geotechnical investigations, incorporating value engineering comments to increase the amount of tunneling in the first reach, and development of preliminary design report and drawings. A market sounding for Reach 1 and Reach 2 CM/GC is also anticipated in February, followed by advertisement this summer.

At the January PWSCRC, presentations covered a quarterly update, program benefits/demand variability, and potential staging. Staging options for program capacities of 45 mgd and 75 mgd with IPR-quality purified water were discussed in depth, including goals and objectives, required facilities, meeting variable flow demands, direct potable reuse (DPR) testing, and costs. Derek Zondervan, a manager at the LA County Sanitation Districts, discussed their support for the program, specifically with at least 75 mgd of capacity.

DPR pilot testing planning and design continues, while investigations into potential treated water augmentation (TWA) with direct connections to Metropolitan's existing potable water feeders have been initiated and will be complete later this spring.

A schedule showing proposed board actions for 2025/26 was prepared and presented to the Board in the quarterly update.

Protect public health, the regional economy, and Metropolitan's assets

Goal Dashboard

9 Outcomes in process and on target

Proactively identify, assess, and reduce potential vulnerabilities to Metropolitan's system, operations, and infrastructure.

Cybersecurity

Metropolitan completed over 138 cyber threat investigations for the month of January.

The first meeting of the Metropolitan Cybersecurity Executive Steering Committee was conducted in January. The results of this meeting were to agree on the cybersecurity performance metrics and to authorize the release of two cybersecurity standards manuals which will be published in March. These two new standards provide objectivity when processing technology change requests/exceptions and end-user account cybersecurity requirements.

Staff is negotiating an agreement with Computer Aid Incorporated for Co-Managed Services of the Cybersecurity Operations Center, for possible board approval in February.

Water Quality and Emerging Contaminants

It is anticipated that state mandated microplastics monitoring will be implemented in Q3 of 2025. Sampling locations for the anticipated monitoring order were selected and submitted to the State Water Resources Control Board. New particle filtering apparatus was evaluated with blanks and control samples using optical microscopy and laser directed infrared imaging for analysis.

A Member Agency Water Quality Managers meeting on emerging issues is tentatively scheduled on March 13 and will cover invasive golden mussels in the State Water Project, unregulated disinfection byproducts, and member agency accessibility to water quality reports.

An online workshop was organized bringing together regional agencies affected by the January wildfires. The Division of Drinking Water and an external expert discussed recovery and return-to-service of wildfire affected water systems.

Partner with interested parties and the communities we serve

Goal Dashboard

6 Outcomes in progress and on target

Grow and deepen collaboration and relationships among member agencies, interested parties and leaders on the issues most important to them and toward mutual and/or regional benefits.

Metropolitan held an environmental listening session on February 3 to share the draft 2024 CAMP4W Annual Report.

Executive Summary

This executive summary is added to this report to provide a high-level snapshot of key accomplishments from each area of the organization.

Bay-Delta Resources

On January 17, 2025, the Delta Stewardship Council dismissed the four appeals of the California Department of Water Resources (DWR) certification of consistency for 2024–2026 geotechnical work related to the Delta Conveyance Project. It dismissed the appeals for lack of jurisdiction because the 2024–2026 geotechnical work is not a covered action.

Chief Financial Officer

Finance staff finalized the selection of several underwriting/banking teams to assist Metropolitan with various debt-related financings over the next several months. Staff will work on financing schedules for the remainder of the year, including board reports and/or presentations for board consideration.

Colorado River Resources

In January, USBR released an Alternatives Report, which provides in detail the alternatives that USBR plans to analyze in the Draft Environmental Impact Statement (EIS) for the post-2026 Colorado River Guidelines. The Lower Basin states do not support any of the alternatives as written but are committed to working with the Upper Basin states to attempt to develop a seven-state consensus alternative that can be included in the Final EIS, which is anticipated in early 2026.

Diversity, Equity & Inclusion

In January, Workforce Development staff attended the Parker High School Career Expo and met with Mohave Community College faculty to develop stronger engagement in the desert areas. Staff also participated in a Resume Review workshop hosted by USC, and the Women in Water event in Elsinore Valley. Native nations outreach and engagement was conducted at the Navajo Language Preservation meeting, Hopi Sinom meeting, and Nuwuvi Language class and information regarding careers in water, job opportunities and the apprenticeship program was presented. Business Outreach and Community Engagement staff continued ongoing activities with over 40 business and community-based organizations, including attending two business-to-business networking events hosted by the Port of San Diego and the Filipino American Chamber of Commerce of Orange County, reaching over 300 small business owners.

Engineering Services

In response to the high winds, widespread public safety power shutoffs, and devastating wildfires, Engineering staff supported Water System Operations by participating in the Emergency Operations Center and providing technical expertise for initial emergency response and mutual aid assistance to Metropolitan member agencies and sub-agencies. The urgent rehabilitation of the Allen-McColloch pipeline was also completed in January, and the pipeline was returned to service.

Equal Employment Opportunity Office

On January 13, 2025, EEO conducted an educational and interactive presentation for supervisory and non-supervisory employees at the F.E. Weymouth Water Treatment Plant in La Verne. The presentation included an overview of Metropolitan's EEO policies, EEO-protected categories, retaliation, a manager's obligation to immediately report EEO-related incidents, and the EEO complaint process. Also, on January 13, 2025, EEO provided an update on Metropolitan's Non-discrimination Program (NDP) results for fiscal year 2024 at the Ethics, Organization, and Personnel Committee.

External Affairs

On January 28, 2025, Chair Ortega, Vice Chair Camacho, Directors Bryant, Crawford, Dennstedt, Dick, Erdman, Fellow, Garza, Goldberg, Lewitt, Seckel and Sutley, former Metropolitan executives Gastelum and Ivey, GM Upadhyay, Metropolitan and member agency staff, and more than 100 guests attended the dedication of the Philip J. Pace Board Room.

Human Resources

The Business Support Team planned, organized, and coordinated "The Impact of Alzheimer's and Dementia in Our Community" wellness webinar. The live webcast was held on January 22, 2025, and hosted by the Alzheimer's Association. The webinar provided a brief informative program for employees to learn about the impact of the disease, local resources available, and ways to join the fight against Alzheimer's and all other dementia.

Information Technology

Metropolitan made the new Revenue Meter Dashboard available to users across Metropolitan. This project was intended to establish a common framework for efficiently conducting future infrastructure reliability (asset management) projects for both ESG and WSO, tackling asset management for one class of equipment to inform the Strategic Asset Management Plan (SAMP). The Revenue Meter Dashboard brings together data from several disparate data systems such as WINS, Maximo (Metropolitan's Computerized Maintenance Management System), and PI into a cohesive and simple to navigate interface. This dashboard is intended to provide Metropolitan staff that interact with revenue meters a more holistic view of the various data Metropolitan maintains to advise on decision-making related to these assets. The project team is working through a list of requests and issues to address after the "go-live" and plans to engage with the Operations Projects and Asset Management (OPAM) unit on the appropriate next steps for future asset classes. Staff can access the Revenue Meter Dashboard via the *Enterprise GIS* page of the IntraMet.

Operations Groups

Significant wildfires affected northern Los Angeles County this month, prompting Metropolitan to activate its Emergency Operations Center (EOC) from January 7–21 in response. Staff ensured reliable water deliveries by increasing treatment plant flows, coordinating with DWR to end a shutdown early, protecting critical infrastructure like the Sepulveda and Foothill Pressure Control Structures, and maintaining operations despite power disruptions. Metropolitan staff also collaborated with emergency responders and partner agencies through the Los Angeles County EOC and fire incident command posts. There were no major impacts to Metropolitan's facilities; however, several local water systems sustained significant damage. Supporting these systems through mutual assistance, Metropolitan provided generators, pumps, skilled personnel, diesel fuel, and other equipment and supplies to support recovery efforts. Staff's outstanding response to this catastrophic event ensured the protection of Metropolitan's facilities, uninterrupted water deliveries, and continued assistance to severely affected water utilities.

Safety, Security and Protection

The Safety Team created six new Safety Talks. The Environmental Team submitted business plans for five facilities and completed pump-out of caustic soda from the Mills chlorine scrubber system. The Apprenticeship Team posted the job announcement to begin recruitment for Desert Region pre-apprentices and Technical Training is developing an online training for operating and charging of electric vehicles.

Sustainability, Resiliency and Innovation

SRI collaborated with External Affairs to host a CORO Public Affairs Fellow in January. The Fellow helped to engage young civic leaders in the CAMP4W process and identified concepts for sustainable operating strategies from other large public organizations that Metropolitan could consider in the future.

Water Resource Management

Water Resource Management staff played a key role in entering into grant agreements through USBR's Lower Colorado River Basin System Conservation and Efficiency Program. Metropolitan will receive up to $186 million for conservation and water storage programs that will benefit the Colorado River system. Staff also led the effort to procure federal grant funding for up to $125 million in planning funding for Pure Water Southern California. On the local supply development front, Metropolitan entered into a Local Resource Program agreement with the City of Los Angeles and a Future Supply Actions Funding agreement with Las Virgenes Municipal Water District that will further the research base for future ocean desalination. Metropolitan's long standing emphasis on conservation, water recycling and groundwater recharge was highlighted in its annual Public Hearing and completion of its Annual Achievement report which will be submitted to the California Legislature.

Plant engineer summit at Lake Matthews, fall 2023

Plant engineers visiting the sulfuric acid tank farm at Skinner plant, spring 2024

Former Diemer plant engineers' reunion, spring 2022

PROGRAM DESCRIPTION

Metropolitan's plant engineer program is a rotational, cross-training program designed to provide close and coordinated support to Operations on engineering-related projects and programs while providing developmental opportunities for Engineering staff. Under this program, individuals are assigned for up to a three-year period to work as an on-site plant engineer.

Plant engineers provide day-to-day engineering support for on-site operations staff in a variety of areas including but not limited to project management, project design, and general liaison functions between engineering and operations.

IMPORTANCE TO METROPOLITAN

Coordinated work between engineering and operations including evaluation of engineering studies, environmental documents, and technical reports is essential to support daily operations activities and engineering design, and to identify new project proposals required to update Metropolitan's Capital Investment Plan. Plant engineers lead minor capital projects to promptly and cost-effectively rehabilitate aging equipment at their facility.

During the last 20 years, 42 employees have served as plant engineers under the Metropolitan's plant engineer program. Their liaison function between Engineering and Operations has been a key factor in their professional development. Several current unit managers in both Engineering and Operations formerly served as plant engineers.

There are currently 10 rotational plant engineer opportunities to cover the different regions of Metropolitan's distribution system, including five water treatment plant engineers; three field engineers serving the western, eastern and desert regions of the conveyance and distribution system; one construction services field engineer; and one plant engineer supporting the advanced purification center in Carson.

MEMORABLE MOMENT

Plant engineers hold a summit three times a year. The summit provides a unique opportunity for the plant engineers to share their experiences, discuss the challenges they might be facing with current projects, review safety procedures for Metropolitan's facilities, and exchange ideas to better support urgent needs of operations.

"My experience as a plant engineer has made me more thoughtful about how the construction of a project may impact operations and how to better mitigate the concerns."

Aristotle Bondoc, former plant engineer

"For me, personal growth has been the greatest take away from the program. The rotation put me out of my work comfort zone with a new reporting location and different responsibilities. This change has helped me understand my own strengths. I am more confident in my capabilities, my communication skills have improved, and I have embraced a mindset of lifelong learning."

Nikki DuranAubrecht, Diemer plant engineer

Water Supply Conditions Report

Water Year 2024-2025

As of 01/31/2025

Extended Report: https://www.mwdh2o.com/WSCR

State Water Project Resources

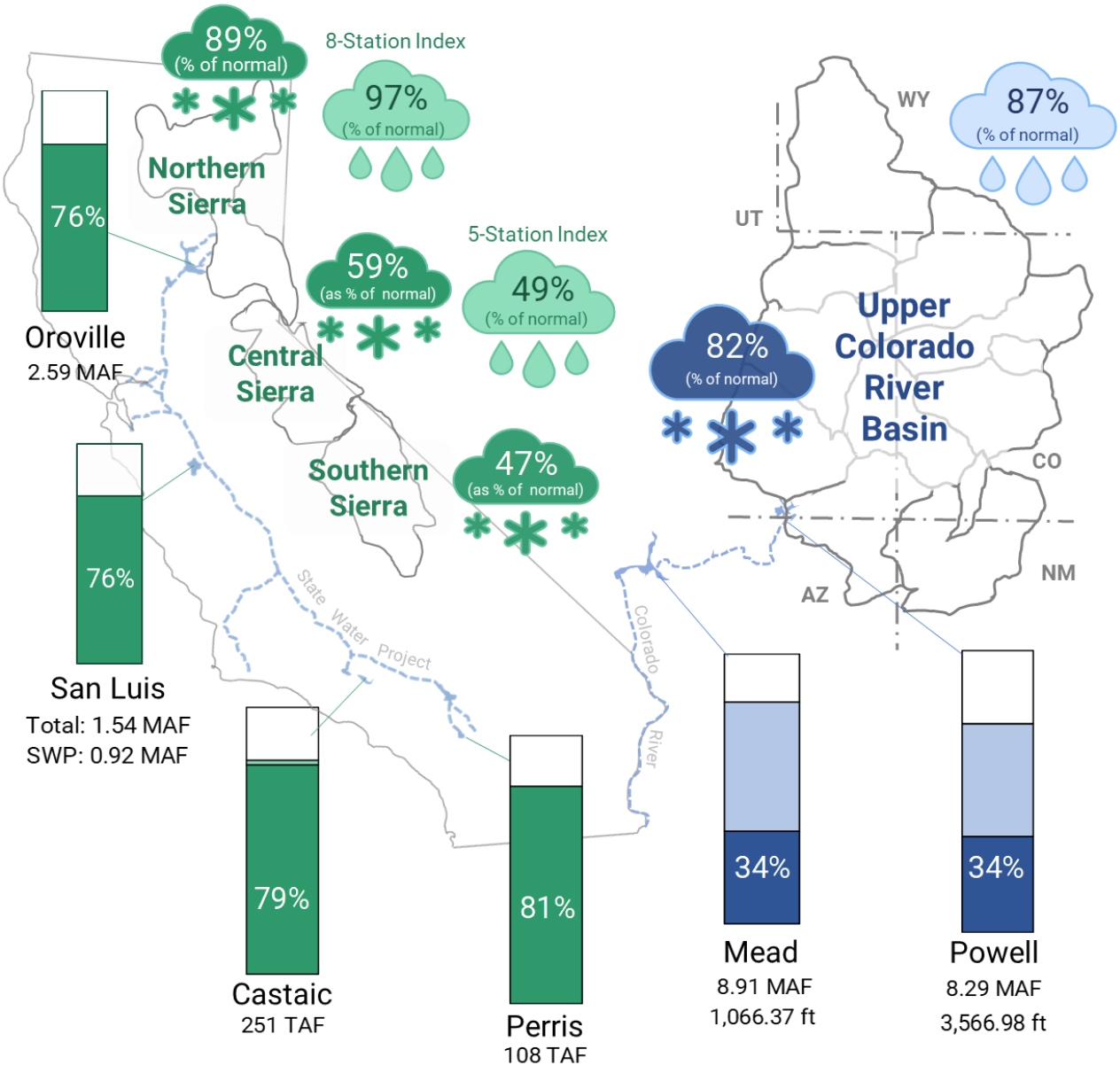
SWP Allocation

20% Table A: 382,300 acre-feet

Colorado River Resources

Projected CRA Diversions

1,000,000 acre-feet

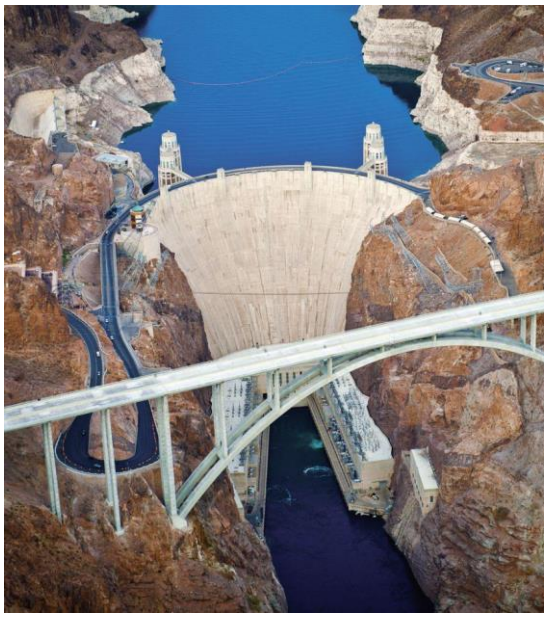


Reservoir Report

End of Month Reservoir Report

Monthly Update as of: **1/31/2025**

Reservoir	Current Storage	Percent of Capacity
Colorado River Basin		
Lake Powell	8,292,542	34%
Lake Mead	8,923,000	34%
DWR		
Lake Oroville	2,588,562	75%
San Luis CDWR	922,438	87%
Castaic Lake	249,697	77%
Silverwood Lake	71,159	95%
Lake Perris	107,626	82%
MWD		
DVL	786,396	97%
Lake Mathews	151,389	83%
Lake Skinner	40,747	93%



Hoover Dam

Metropolitan's Mission is to provide its service area with adequate and reliable supplies of high-quality water to meet present and future needs in an environmentally and economically responsible way.

700 N. Alameda Street, Los Angeles, CA 90012
General Information (213) 217-6000
www.mwdh2o.com www.bewaterwise.com

General Manager: Deven Upadhyay
Office of the GM (213) 217-6139
OfficeoftheGeneralManager@mwdh2o.com

Metropolitan Cases

Dane Crawford v. Metropolitan (Riverside County Superior Court)

On January 22, 2025, the Riverside County Superior Court set: (1) a pre-trial conference for October 10, 2025, and (2) trial for October 13, 2025.

Matters Received

Category	Received	Description	
Government Code Claims	5	Claims relating to: (1) two motor vehicle accidents involving MWD vehicles; (2) Claimant's vehicle damaged from driving over an uncovered manhole; (3) Claimant's vehicle hit an MWD sign that was on the side of the street; and (4) employment-related claim by an MWD employee	
Subpoenas	1	Worker's Compensation subpoena for personnel and payroll records for an employee of a contractor for a matter unrelated to MWD	
Requests Pursuant to the Public Records Act	14	Requestor	Documents Requested
		Associated Press	All communications between MWD officials and LADWP officials from January 1, 2025 to January 15, 2025
		CCS Global Tech	Name of awarded vendor for each task order/purchase order, negotiated hourly rate, purchase order number, and number of hours expended for On-Call Information Technology Services
		Collins Kim LLP	Documents provided by the Board Ad Hoc Committee to Adel Hagekhalil regarding the outcome of the investigation of an employee's EEO complaints and a copy of the investigation report
		Friends of the River	Financial reports and analyses related to project costs of Sites Reservoir water
		GrayMar Environmental Services	Contract for Solids Removal and Disposal Services at Jensen Water Treatment Plant
		Huitt-Zollars	Plans of MWD facilities near project to expand Warren Road in the city of Hemet

Date of Report: February 5, 2025

Requestor	Documents Requested
Infojini Consulting	Technical and cost proposals, bid tabulation, yearly spend, total budget, expiration date of the contract for On-Call Information Technology Services
LAist/Southern California Public Radio	Records regarding misconduct and/or harassment claims and investigations pertaining to General Manager Adel Hagekhalil
Lewis Brisbois Bisgaard & Smith	Documents dated 1950-2010 relating to urban water management plan, sewer system management plan, water system master plan, water system design criteria, wastewater facilities master plan, master water agreement, installation/repair/modification of asbestos cement pipe from/to certain pipelines, assessments of minerals in the water system
Los Angeles Times	Investigative reports and summaries of findings regarding allegations concerning General Manager Adel Hagekhalil
Mott MacDonald	Proposals for: (1) Western Region Projects, Construction Management and Inspection Services; (2) Pre-Stressed Concrete Cylinder Pipe Program and Pipeline Rehabilitation Projects Construction Management; (3) On-Call Agreements with MARRS Services, Butier Engineering, and Berg & Associates and (4) 2014 proposals from the eight pre-qualified firms for On-Call Services, On-Site Inspection and Construction Contract Administration Services
MWD Supervisors Association	Transcripts of MWD Special Board Meetings held on January 21 and 23, 2025
Private Citizen	Proposal and contract documents, emails, presentations, and vendor's work production relating to the contract for Multimedia Placement Consulting Services for Water Awareness and Outreach Campaign

Requestor	Documents Requested
Univar Solutions USA	Bid results for the request for small purchase quotation for hydrogen peroxide

PLEASE NOTE

- ADDITIONS ONLY IN THE FOLLOWING TWO TABLES WILL BE SHOWN IN RED.
- ANY CHANGE TO THE *OUTSIDE COUNSEL AGREEMENTS* TABLE WILL BE SHOWN IN REDLINE FORM (I.E., ADDITIONS, REVISIONS, DELETIONS).

Bay-Delta and SWP Litigation

Subject	Status
Delta Conveyance Project CEQA Cases *Tulare Lake Basin Water Storage District v. California Department of Water Resources* (case name for the consolidated cases) *City of Stockton v. California Department of Water Resources* *County of Butte v. California Department of Water Resources* *County of Sacramento v. California Department of Water Resources* *County of San Joaquin et al. v. California Department of Water Resources* *Sacramento Area Sewer District v. California Department of Water Resources* *San Francisco Baykeeper, et al. v. California Department of Water Resources* *Sierra Club, et al. v. California Department of Water Resources* *South Delta Water Agency and Rudy Mussi Investment L.P. v. California Department of Water Resources* *Sacramento County Superior Ct.* *(Judge Acquisto)* 3d District Court of Appeal Case No. C101878	• DWR is the only named respondent/defendant • All alleged CEQA violations • Most allege violations of the Delta Reform Act, Public Trust Doctrine and Delta and Watershed Protection Acts • Two allege violations of the fully protected bird statute • One alleges violations of Proposition 9 (1982) and the Central Valley Project Act • Deadline for DWR to prepare the administrative record extended to Jan. 31, 2025 • June 20, 2024 trial court issued a preliminary injunction halting pre-construction geotechnical soil testing until DWR certifies that the DCP is consistent with the Delta Plan • Aug. 19, 2024 DWR appealed the injunction • ~~Aug. 23, 2024 trial court denied DWR's motion to modify or stay the preliminary injunction~~ • ~~Aug. 29, 2024 DWR filed a petition in the court of appeal seeking to stay the preliminary injunction pending a ruling on the merits of its appeal~~ • ~~Oct. 18, 2024 stay petition denied.~~ • Oct. 24, 2024 cases ordered consolidated for all purposes under *Tulare Lake Basin Water Storage District v. California Department of Water Resources* • April 4, 2025 next case management conference • Jan. 21,2025 DWR's opening brief in preliminary injunction appeal due (DWR is using a rule of court extension, so filing date TBD)

Subject	Status
Delta Conveyance Project Water Right Permit Litigation *Central Delta Water Agency et al. v. State Water Resources Control Board* Fresno County Superior Court (Judge Hamilton)	• Complaint filed April 16, 2024, alleges that the State Water Board must rule on DWR's 2009 petition to extend the time to perfect its State Water Project rights before the State Water Board may begin to adjudicate DWR's petition to change its water rights to add new points of diversion for the Delta Conveyance Project • Sept. 19 hearing date for State Water Resources Control Board demurrer (motion to dismiss) and motion to strike and DWR's demurrer (motion to dismiss) taken off calendar by court-entered stipulation of the parties after DWR withdrew the 2009 petition to extend its SWP water rights • ~~Jan 14, 2025 Case Status Conference~~ • March 11, 2025 Trial Setting Conference
Consolidated DCP Revenue Bond Validation Action and CEQA Case *Sierra Club, et al. v. California Department of Water Resources* (CEQA, designated as lead case) *DWR v. All Persons Interested* (Validation) Sacramento County Superior Ct. (Judge Kenneth C. Mennemeier) 3d District Court of Appeal Case No. C100552	• **Validation Action** • Final Judgment and Final Statement of Decision issued January 16, 2024 ruling the bonds are not valid • DWR, Metropolitan and other supporting public water agencies filed Notices of Appeal on or before the February 16, 2024 deadline • Eight opposing groups filed Notices of Cross Appeals by March 27, 2024 • April 16, 2024 DWR moved to dismiss the cross appeals as untimely • October 4, 2024 DWR's and Supporting SWP Contractors' Joint Opening Brief and Appellants' Appendix filed • October 15, 2024 DWR's and Supporting SWP Contractors' joint motion for calendar preference was granted; the appeal will be accorded priority pursuant to statutory provisions, which should accelerate oral argument and the court's decision once briefing is completed in about March 2025 • Respondents' and Cross-Appellants' briefs ~~due~~ filed Dec. 31, 2024 and Jan. 2, 2025 • DWR's and Supporting SWP Contractors' Opposition Briefs due Feb. 11, 12, 2025

Subject	Status
2025 Delta Conveyance Program Revenue Bond Validation *Department of Water Resources v. All Persons Interested, etc.* Sacramento County Superior Court (Judge TBD)	• Jan. 6, 2025, the Department of Water Resources (DWR) adopted a new bond resolution • Jan. 7, DWR filed a complaint seeking a judgment validating its authority to issue the bonds under the CVP Act • Jan. 27, 2025 summons issued • Feb. 27, 2025 Case Management Conference
SWP-CVP 2019 BiOp Cases *Pacific Coast Fed'n of Fishermen's Ass'ns, et al. v. Raimondo, et al.* (*PCFFA*) *Calif. Natural Resources Agency, et al. v. Raimondo, et al.* (*CNRA*) Federal District Court, Eastern Dist. of California, Fresno Division (Judge Thurston)	• SWC intervened in both *PCFFA and CNRA* cases • Federal defendants reinitiated consultation on Oct 1, 2021 • March 28, 2024 order extending the Interim Operations Plan and the stay of the cases through the issuance of a new Record of Decision or December 20, 2024, whichever is first
2020 CESA Incidental Take Permit Cases **Coordinated Case Name *CDWR Water Operations Cases*, JCCP 5117** **(Coordination Trial Judge Gevercer)** *Metropolitan & Mojave Water Agency v. Calif. Dept. of Fish & Wildlife, et al*. (CESA/CEQA/Breach of Contract) *State Water Contractors & Kern County Water Agency v. Calif. Dept. of Fish & Wildlife, et al*. (CESA/CEQA) *San Bernardino Valley Municipal Water Dist. v. Calif. Dept. of Water Resources, et al.* (CEQA/CESA/ Breach of Contract/Takings) *Sierra Club, et al. v. Calif. Dept. of Water Resources* (CEQA/Delta Reform Act/Public Trust) *San Francisco Baykeeper, et al. v. Calif. Dept. of Water Resources, et al*. (CEQA/CESA)	• Administrative records certified in October 2023 • Order entered to delay setting a merits briefing schedule by 90 days and extending the time to bring the action to trial by six months • Deadline to bring all the coordinated cases to trial is now December 5, 2025 • December 2024 three petitioner groups filed requests for dismissal without prejudice • ~~January 2025 r~~Remaining petitioner groups ~~will meet and confer~~ meeting and conferring in light of the new, 2024 CESA Incidental Take Permit • March 7, 2025 Case Management Conference

Subject	Status
2024 CESA Incidental Take Permit Cases *San Francisco Baykeeper, et al. v. California Department of Water Resources* (CEQA, Delta Reform Act, Public Trust Doctrine) Sacramento County Superior Ct. Case No. 24WM000185 (Judge Arguelles) *California Sportfishing Protection Alliance, et al. v. California Department of Water Resources, et al.* (CEQA, CESA, Delta Reform Act, Public Trust Doctrine) Sacramento County Superior Ct. Case No. 24WM000181 (Judge Arguelles) *Tehama-Colusa Canal Authority, et al. v. California Department Of Water Resources, et al.* (CEQA) Sacramento County Superior Ct. Case No. 24WM000183 (Judge Rockwell) **Central Delta Water Agency and South Delta Water Agency v. California Department of Water Resources** (CEQA, Delta Reform Act, Watershed Protection Acts, Public Trust Doctrine) **Sacramento County Superior Ct. Case No.** 24WM000186 (Judge Acquisto)	• Cases challenge DWR's Final EIR and the California Department of Fish and Wildlife's California Endangered Species Act Incidental Take Permit for the updated Long Term Operations plan for the State Water Project
CDWR Environmental Impact Cases **Sacramento Superior Ct. Case No. JCCP 4942, 3d DCA Case No. C100302** **(20 Coordinated Cases)** Validation Action *DWR v. All Persons Interested* CEQA 17 cases CESA/Incidental Take Permit 2 cases (Judge Arguelles)	• Cases dismissed after DWR rescinded project approval, bond resolutions, decertified the EIR, and CDFW rescinded the CESA incidental take permit • January 10, 2020 – Nine motions for attorneys' fees and costs denied in their entirety • May 11, 2022, court of appeal reversed the trial court's denial of attorney fees and costs • Coordinated cases remitted to trial court for re-hearing of fee motions consistent with the court of appeal's opinion • Dec. 26, 2023 order denying fee motions • Six notices of appeal filed • Appellants' opening briefs and appendices filed Oct. 29 and Oct. 31 • Jan. 31, 2025 deadline for DWR's opposition brief (DWR is using a rule of court extension, so filing date TBD)

Date of Report: February 5, 2025

Subject	Status
North Coast Rivers Alliance v. DWR Sacramento County Superior Ct. (Judge Rockwell)	• Case dismissed Dec. 12, 2024
Water Management Tools Contract Amendment *California Water Impact Network et al. v. DWR* Sacramento County Superior Ct. (Judge Acquisto) *North Coast Rivers Alliance, et al. v. DWR* Sacramento County Super. Ct. (Judge Acquisto)	• Filed September 28, 2020 • CWIN and Aqualliance allege one cause of action for violation of CEQA • NCRA et al. allege four causes of action for violations of CEQA, the Delta Reform Act, Public Trust Doctrine and seeking declaratory relief • SWC motion to intervene in both cases granted • Dec. 20, 2022 DWR filed notice of certification of the administrative record and filed answers in both cases

San Diego County Water Authority v. Metropolitan, et al.		
Cases	**Date**	**Status**
2014, 2016	Sept. 30	Based on the Court of Appeal's Sept. 21 opinion in the parties' earlier 2010/2012 cases, and the Board's Sept. 28 authorization, Metropolitan paid $35,871,153.70 to SDCWA for 2015-2017 Water Stewardship Rate charges under the Exchange Agreement and statutory interest.
2017	July 23, 2020	Dismissal without prejudice entered.
2018	April 11, 2022	Court entered order of voluntary dismissal of parties' WaterFix claims and cross-claims.
2014, 2016, 2018	June 11, 2021	Deposition of non-party witness.
	Aug. 25	Hearing on Metropolitan's motion for further protective order regarding deposition of non-party witness.
	Aug. 25	Court issued order consolidating the 2014, 2016, and 2018 cases for all purposes, including trial.
	Aug. 30	Court issued order granting Metropolitan's motion for a further protective order regarding deposition of non-party witness.
	Aug. 31	SDCWA filed consolidated answer to Metropolitan's cross-complaints in the 2014, 2016, and 2018 cases.
	Feb. 22	Metropolitan and SDCWA each filed motions for summary adjudication.
	April 13	Hearing on Metropolitan's and SDCWA's motions for summary adjudication.
	May 4	Court issued order granting Metropolitan's motion for summary adjudication on cross-claim for declaratory relief that the conveyance facility owner, Metropolitan, determines fair compensation, including any offsetting benefits; and denying its motion on certain other cross-claims and an affirmative defense.
	May 11	Court issued order granting SDCWA's motion for summary adjudication on cross-claim for declaratory relief in the 2018 case regarding lawfulness of the Water Stewardship Rate's inclusion in the wheeling rate and transportation rates in 2019-2020; certain cross-claims and affirmative defenses on the ground that Metropolitan has a duty to charge no more than fair compensation, which includes reasonable credit for any offsetting benefits, with the court also stating that whether that duty arose and whether Metropolitan breached that duty are issues to be resolved at trial; affirmative defenses that SDCWA's claims are untimely and SDCWA has not satisfied claims presentation requirements; affirmative defense in the 2018 case that SDCWA has not satisfied contract dispute resolution requirements; claim, cross-claims, and affirmative defenses regarding applicability of

Cases	Date	Status
2014, 2016, 2018 (cont.)		Proposition 26, finding that Proposition 26 applies to Metropolitan's rates and charges, with the court also stating that whether Metropolitan violated Proposition 26 is a separate issue; and cross-claims and affirmative defenses regarding applicability of Government Code section 54999.7, finding that section 54999.7 applies to Metropolitan's rates. Court denied SDCWA's motion on certain other cross-claims and affirmative defenses.
	May 16-27	Trial occurred but did not conclude.
	June 3, June 24, July 1	Trial continued, concluding on July 1.
	June 24	SDCWA filed motion for partial judgment.
	July 15	Metropolitan filed opposition to motion for partial judgment.
	Aug. 19	Post-trial briefs filed.
	Sept. 14	Court issued order granting in part and denying in part SDCWA's motion for partial judgment (granting motion as to Metropolitan's dispute resolution, waiver, and consent defenses; denying motion as to Metropolitan's reformation cross-claims and mistake of fact and law defenses; and deferring ruling on Metropolitan's cost causation cross-claim).
	Sept. 21	Metropolitan filed response to order granting in part and denying in part SDCWA's motion for partial judgment (requesting deletion of Background section portion relying on pleading allegations).
	Sept. 22	SDCWA filed objection to Metropolitan's response to order granting in part and denying in part SDCWA's motion for partial judgment.
	Sept. 27	Post-trial closing arguments.
	Oct. 20	Court issued order that it will rule on SDCWA's motion for partial judgment as to Metropolitan's cost causation cross-claim simultaneously with the trial statement of decision.
	Dec. 16	Parties filed proposed trial statements of decision.
	Dec. 21	SDCWA filed the parties' stipulation and proposed order for judgment on Water Stewardship Rate claims for 2015-2020.
	Dec. 27	Court entered order for judgment on Water Stewardship Rate claims for 2015-2020 as proposed by the parties.
	March 14, 2023	Court issued tentative statement of decision (tentatively ruling in Metropolitan's favor on all claims litigated at trial, except for those ruled to be moot based on the rulings in Metropolitan's favor)

Cases	Date	Status
2014, 2016, 2018 (cont.)	March 14	Court issued amended order granting in part and denying in part SDCWA's motion for partial judgment (ruling that Metropolitan's claims for declaratory relief regarding cost causation are not subject to court review).
	March 29	SDCWA filed objections to tentative statement of decision
	April 3	Metropolitan filed response to amended order granting in part and denying in part SDCWA's motion for partial judgment (requesting deletion of Background section portion relying on pleading allegations).
	April 25	Court issued statement of decision (ruling in Metropolitan's favor on all claims litigated at trial, except for those ruled to be moot based on the rulings in Metropolitan's favor)
	Jan. 10, 2024	Parties filed joint status report and stipulated proposal on form of judgment
	Jan. 17	Court issued order approving stipulated proposal on form of judgment (setting briefing and hearing)
	April 3	Court entered final judgment
	April 3	Court issued writ of mandate regarding demand management costs
	April 3	SDCWA filed notice of appeal
	April 17	Metropolitan filed notice of cross-appeal
	May 3	Participating member agencies filed notice of appeal
	May 31	Parties filed opening briefs on prevailing party
	June 28	Parties filed response briefs on prevailing party
	July 17	Court issued tentative ruling that there is no prevailing party due to mixed results
	July 18	Hearing on prevailing party; court took matter under submission, stating it expects to rule in mid-Aug.
	Aug. 15	Court issued ruling that Metropolitan is the prevailing party and is entitled to SDCWA's payment of its litigation costs and fees under the Exchange Agreement
	Sept. 25	Court issued order extending time for Metropolitan to file its memorandum of costs and motion for attorneys' fees
	Sept. 27	Metropolitan filed its memorandum of costs in the amount of $372,788.64

Cases	Date	Status
2014, 2016, 2018 (cont.)	Oct. 18	Parties filed a joint application to extend the briefing schedule in the Court of Appeal
	Oct. 21	Court of Appeal granted parties' joint briefing schedule; briefing begins April 11, 2025 and ends October 10, 2025
	Oct. 29	SDCWA filed its motion to tax (reduce) Metropolitan's costs
	Nov. 26	SDCWA withdrew its motion to tax (reduce) Metropolitan's costs and requested that the court cancel the Dec. 11 motion hearing
	Dec. 17	The court entered the parties' stipulated order that Metropolitan's recoverable attorneys' fees are $3,402,408.71 and its recoverable costs are $372,788.64; unless the Court of Appeal reverses the order that Metropolitan is the prevailing party, SDCWA is to pay Metropolitan these amounts, plus interest; and briefing on Metropolitan's motion for attorneys' fees is vacated.
	Dec. 17	The court issued an order reassigning the cases from the Honorable Anne-Christine Massullo to the Honorable Ethan P. Schulman.
	Jan. 28, 2025	Court of Appeal granted parties' modified joint briefing schedule; briefing begins July 11, 2025 and ends January 9, 2026.
All Cases	April 15, 2021	Case Management Conference on 2010-2018 cases. Court set trial in 2014, 2016, and 2018 cases on May 16-27, 2022.
	April 27	SDCWA served notice of deposition of non-party witness.
	May 13-14	Metropolitan filed motions to quash and for protective order regarding deposition of non-party witness.
	June 4	Ruling on motions to quash and for protective order.

Outside Counsel Agreements

Firm Name	Matter Name	Agreement No.	Effective Date	Contract Maximum
Albright, Yee & Schmit, APC	**Employment Matter**	**220423**	**10/24**	**$100,000**
	Employment Matter	222524	11/24	$50,000
	Employment Matter	~~222429~~ 222529	12/24	$50,000
Andrade Gonzalez LLP	MWD v. DWR, CDFW and CDNR Incidental Take Permit (ITP) CESA/CEQA/Contract Litigation	185894	07/20	$250,000
Aleshire & Wynder	Oil, Mineral and Gas Leasing	174613	08/18	$50,000
Anzel Galvan LLP	Bond Issues	220411	07/24	N/A
Atkinson Andelson Loya Ruud & Romo	Employee Relations	59302	04/04	$1,316,937
	Delta Conveyance Project Bond Validation-CEQA Litigation	185899	09/21	$250,000
	MWD Drone and Airspace Issues	193452	08/20	$50,000
	AFSCME Local 1902 in Grievance No. 1906G020 (CSU Meal Period)	201883	07/12/21	$30,000
	AFSCME Local 1902 v. MWD, PERB Case No. LA-CE-1438-M	201889	09/15/21	$20,000
	MWD MOU Negotiations**	201893	10/05/21	$100,000
BDG Law Group, APLC	Gutierrez v. MWD	216054	03/24	$250,000
Best, Best & Krieger	Bay-Delta Conservation Plan/Delta Conveyance Project (with SWCs)	170697	08/17	$500,000
	Environmental Compliance Issues	185888	05/20	$100,000
	Grant Compliance Issues	211921	05/23	$150,000
	Pure Water Southern California	207966	11/22	$250,000
	Progressive Design Build	216053	04/24	$250,000

Firm Name	Matter Name	Agreement No.	Effective Date	Contract Maximum
Blooston, Mordkofsky, Dickens, Duffy & Prendergast, LLP	FCC and Communications Matters	110227	11/10	$100,000
Brown White & Osborn LLP	Employment Matter	222523	10/24	$50,000
	Employment Matter	222525	11/24	$50,000
Buchalter, a Professional Corp.	Union Pacific Industry Track Agreement	193464	12/07/20	$50,000
Burke, Williams & Sorensen, LLP	Real Property – General	180192	01/19	$100,000
	Labor and Employment Matters	180207	04/19	$75,000
	General Real Estate Matters	180209	08/19	$200,000
	Rancho Cucamonga Condemnation Actions (Grade Separation Project)	207970	05/22	$100,000
Law Office of Alexis S.M. Chiu*	Bond Counsel	200468	07/21	N/A
	Bond Counsel	220409	07/24	N/A
Castañeda + Heidelman LLP	Employment Matter	216055	04/24	$100,000
	Employment Matter	222530	11/24	$100,000
Cislo & Thomas LLP	Intellectual Property	170703	08/17	$100,000
Curls Bartling P.C.*	Bond Counsel	200470	07/21	N/A
Davis Wright Tremaine, LLP	Advice and Representation re Potential Litigation	220424	10/24	$250,000
Duane Morris LLP	SWRCB Curtailment Process	138005	09/14	$615,422
Duncan, Weinberg, Genzer & Pembroke	Power Issues	6255	09/95	$3,175,000
Ellison, Schneider, Harris & Donlan	Colorado River Issues	69374	09/05	$175,000
	Issues re SWRCB	84457	06/07	$200,000

Firm Name	Matter Name	Agreement No.	Effective Date	Contract Maximum
Erin Joyce Law, PC	Employment Matter	216039	11/23	$100,000
	Ethics Advice	216058	05/24	$100,000
Glaser Weil Fink Howard Jordan & Shapiro	Employment Matter	220395	7/24	$150,000
Greines, Martin, Stein & Richland LLP	SDCWA v. MWD	207958	10/22	$100,000
	Colorado River Matters	207965	11/22	$100,000
Hackler Flynn & Associates	Government Code Claim Advice	216059	5/24	$150,000
Haden Law Office	Real Property Matters re Agricultural Land	180194	01/19	$50,000
Hanna, Brophy, MacLean, McAleer & Jensen, LLP	Workers' Compensation	211926	06/23	~~$250,000~~ $500,000
Hanson Bridgett LLP	Finance Advice	158024	12/16	$100,000
	Deferred Compensation/HR	170706	10/17	$500,000
	Tax Issues	180200	04/19	$50,000
	Alternative Project Delivery (ADP)	207961	10/22	$250,000
	Ad Valorem Property Taxes	216042	11/23	$100,000
Harris & Associates	Employment Matter	220397	7/24	$100,000
Hausman & Sosa, LLP	Jones v. MWD	216056	05/24	$100,000
	Villavicencio v. MWD	220426	10/24	$100,000
	Jensen Operator Standby Removal	222522	10/24	$100,000
Hawkins Delafield & Wood LLP*	Bond Counsel	193469	07/21	N/A
	Bond Counsel	220405	07/24	N/A
Hemming Morse, LLP	Baker Electric v. MWD	211933	08/23	$175,000

Firm Name	Matter Name	Agreement No.	Effective Date	Contract Maximum
Horvitz & Levy	SDCWA v. MWD	124100	02/12	$1,250,000
	General Appellate Advice	146616	12/15	$200,000
	Colorado River	203464	04/22	$100,000
	Delta Conveyance Bond Validation Appeal	216047	03/24	$25,000
	PFAS Multi-District Litigation – Appeal	216050	03/24	$200,000
Innovative Legal Services, P.C.	Employment Matter	211915	01/19/23	$175,000
Internet Law Center	Cybersecurity and Privacy Advice and Representation	200478	04/13/21	$100,000
	Systems Integrated, LLC v. MWD	201875	05/17/21	$100,000
Amira Jackmon, Attorney at Law*	Bond Counsel	200464	07/21	N/A
Jackson Lewis P.C.	Employment: Department of Labor Office of Contract Compliance	137992	02/14	$45,000
Jones Hall, A Professional Law Corp*	Bond Counsel	200465	07/21	N/A
Katten Muchin Rosenman LLP	Bond Counsel	220412	07/24	N/A
Kronenberger Rosenfeld, LLP	Systems Integrated, LLC v. MWD	211920	04/23	$250,000
Kutak Rock LLP	Delta Islands Land Management	207959	10/22	$60,000
Liebert Cassidy Whitmore	Labor and Employment	158032	02/17	$240,821
	FLSA Audit	180199	02/19	$50,000
	EEO Advice	216041	12/23	$200,000
Lieff Cabraser Heimann & Bernstein, LLP	PFAS Multi-District Litigation	216048	03/24	$200,000

Firm Name	Matter Name	Agreement No.	Effective Date	Contract Maximum
Manatt, Phelps & Phillips	SDCWA v. MWD rate litigation	146627	06/16	$4,400,000
	Raftelis-Subcontractor of Manatt, Agr. #146627: Per 5/2/22 Engagement Letter between Manatt and Raftelis, MWD paid Raftelis Financial Consultants, Inc.	Invoice No. 23949		$56,376.64 for expert services & reimbursable expenses in *SDCWA v. MWD*
Marten Law LLP	PFAS Multi-District Litigation	216034	09/23	$550,000
	PFAS-Related Issues (PWSC)	220414	08/24	$100,000
	Perris Valley Pipeline Project	220415	07/24	$100,000
	PFAS-Related Issues (General)	220413	10/24	$50,000
Meyers Nave Riback Silver & Wilson	Pure Water Southern California	207967	11/22	$100,000
Miller Barondess, LLP	SDCWA v. MWD	138006	12/14	$600,000
Morgan, Lewis & Bockius	SDCWA v. MWD	110226	07/10	$8,750,000
	Project Labor Agreements	200476	04/21	$100,000
Musick, Peeler & Garrett LLP	Colorado River Aqueduct Electric Cables Repair/Contractor Claims	193461	11/20	$3,250,000
	Arvin-Edison v. Dow Chemical	203452	01/22	$150,000
	Semitropic TCP Litigation	207954	09/22	$75,000
	Employment Matter	216063	06/24	$100,000
	Employment Matter	220417	08/24	$100,000
Nixon Peabody LLP*	Bond Counsel [re-opened]	193473	07/21	N/A
	Special Finance Project	207960	10/22	$50,000
	Bond Counsel	220404	07/24	N/A
Norton Rose Fulbright US LLP*	Bond Counsel	200466	07/21	N/A
	Bond Counsel	220407	7/24	N/A

Firm Name	Matter Name	Agreement No.	Effective Date	Contract Maximum
Olson Remcho LLP	Government Law	131968	07/14	$400,000
	Executive Committee/Ad Hoc Committees Advice	207947	08/22	$60,000
	Advice/Assistance re Proposition 26/Election Issues	211922	05/23	$100,000
Robert P. Ottilie	Employment Matter	220403	09/24	$100,000
Pearlman, Brown & Wax, L.L.P.	Workers' Compensation	216037	10/23	$100,000
Procopio, Cory, Hargreaves & Savitch, LLP	CityWatch Los Angeles Public Records Act Request	216046	02/24	$75,000
	Public Records Act Requests	220399	7/24	$75,000
Renne Public Law Group, LLP	ACE v. MWD (PERB Case No. LA-CE-1574-M)	203466	05/22	$100,000
	ACE v. MWD (PERB Case No. LA-CE-1611-M)	207962	10/22	$50,000
	Employee Relations and Personnel Matters	216045	01/24	$50,000
	ACE v. MWD (PERB Case No. LA-CE-1729-M)	220421	09/24	$35,000
	AFSCME v. MWD (PERB Case No. LA-CE-1733-M)	220422	09/24	$35,000
	AFSCME v. MWD (PERB Case No. LA-CE-1738-M)	220425	10/24	$35,000
Ryan & Associates	Leasing Issues	43714	06/01	$200,000
	Oswalt v. MWD	211925	05/23	$100,000
	Unlawful Encroachment on Metropolitan Rights-of-Way	216065	06/24	$100,000

Firm Name	Matter Name	Agreement No.	Effective Date	Contract Maximum
Seyfarth Shaw LLP	Claim (Contract #201897)	201897	11/04/21	$350,000
	Claim (Contract #203436)	203436	11/15/21	$350,000
	Claim (Contract #203454)	203454	01/22	$210,000
	Reese v. MWD	207952	11/22	$750,000
	General Labor/Employment Advice	211917	3/23	$250,000
	Civil Rights Department Complaint	211931	07/23	$100,000
	Crawford v. MWD	216035	09/23	~~$250,000~~ $525,000
	Tiegs v. MWD	216043	12/23	~~$250,000~~ $525,000
	Zarate v. MWD	216044	01/24	$250,000
Shaw Law Group, PC	Administrative Investigation	222531	12/24	$30,000
Sheppard Mullin Richter & Hampton LLP	Lorentzen v. MWD	216036	09/23	$250,000
Stradling Yocca Carlson & Rauth*	Bond Counsel	200471	07/21	N/A
	Bond Counsel	220408	7/24	N/A
The Myers Law Group, APC	Employment Matter	220420	11/24	$100,000
Theodora Oringher PC	Construction Contracts - General Conditions Update	185896	07/20	$100,000
Thompson Coburn LLP	NERC Energy Reliability Standards	193451	08/20	$300,000
Van Ness Feldman, LLP	General Litigation	170704	07/18	$50,000
	Colorado River MSHCP	180191	01/19	$50,000
	Bay-Delta and State Water Project Environmental Compliance	193457	10/15/20	$50,000
	Colorado River Issues	211924	05/23	$250,000

*Expenditures paid by Bond Proceeds/Finance
**Expenditures paid by another group

Date of Report: February 5, 2025

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Report

Office of the General Auditor

- **General Auditor's Report for January 2025**

Summary

This report highlights significant activities of the Office of the General Auditor for the month ended January 31, 2025.

Purpose

Informational

Attachments

None

Detailed Report

Audit & Advisory Projects

Twenty-eight projects are in progress:

- Ten audit projects are in the report preparation phase.
  - Management feedback on one preliminary draft report (Fallowed Land) is over 30 days past due; feedback was requested by 11/15/2024.
  - Management responses are pending for two draft reports issued in December (Employee Tuition Reimbursement and Cybersecurity: Inventory & Control of IT Assets); management responses were due 1/24/2025 (for both).
  - Management feedback on one preliminary draft report (Sensis, Inc.) was received, and the draft report release is expected in February.
- Eighteen projects are in the execution phase, including nine audits and nine advisories.

Work priority is being given to the nine carryforward audits; draft reports have been issued for two of these.

Follow-Up Reviews

Nine audits are in the follow-up phase:

- Seven follow-up reviews are in progress.
- Two follow-up reviews are in planning.

One follow-up review form (Fuel Regulations Compliance) is over 30 days past due; originally due 12/02/24.

Date of Report: February 11, 2025

Other General Auditor Activities

1. **Global Internal Audit Standards**
   Evaluation and adoption of the updated standards issued by the Institute of Internal Auditors, effective January 9, 2025, is in progress. Domain III: Governing the Internal Audit Function will be presented at the February meeting of the Audit Subcommittee of the Executive Committee.

2. **Internal Quality Assessment**
   Results of the annual Internal Quality Assessment will be presented at the February meeting of the Audit Subcommittee of the Executive Committee.

3. **Annual Risk Assessment**
   The General Auditor's risk assessment methodology is being refreshed and will be presented at an upcoming meeting of the Audit Subcommittee of the Executive Committee, including solicitation of risk areas and internal control concerns.

4. **Annual Audit Plan**
   Planning is underway for next fiscal year's audit plan including meetings with the Board and Metropolitan senior management. We expect to present the audit plan for Board approval at the June meeting of the Board of Directors.

5. **Senior Audit Manager Recruitment**
   Collaboration with Human Resources continues to fill this critical position.

6. **Assistant General Auditor**
   Kathryn Andrus was promoted to Assistant General Auditor.

THE ETHICS OFFICE

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Monthly Report

EDUCATION Program

The Ethics Office welcomed Hiroshi Ishikawa, who will serve as Ethics Educator, in a district temporary position. Ishikawa's professional and educational background includes the field of governmental ethics and water and roles with local government agencies, including the Los Angeles City Ethics Commission. Ishikawa will develop written educational materials and deliver live and online training for directors, employees, and other stakeholders.

Ethics staff presented an Ethics Office overview at new employee orientations hosted by Human Resources, held a tailored training session for a Human Resources workgroup, and issued its third Quarterly newsletter to employees.

COMPLIANCE Program

Form 700/Filing Officer Duties – Pursuant to state law and the Administrative Code, Compliance staff assisted directors and employees with their Annual, Assuming Office, and Leaving Office Form 700 filings. Assistance included transitioning into the new state filing system for certain officials, including directors, troubleshooting the electronic filing system, and notifications of deadlines. Staff also evaluated which new Metropolitan positions must file Form 700 and the appropriate level of disclosure for each position.

AB 1234 compliance – Managed AB 1234 state ethics training compliance for Metropolitan and Metropolitan officials required to take the biennial training. As of January 26, 2025, 50 Metropolitan officials have complied with this state ethics training requirement. Nineteen officials still need to take the training. Staff will continue efforts to seek 100% compliance from Metropolitan officials. As part of our continued transparency and compliance efforts, Directors' AB 1234 training certificates will soon be available on Metropolitan's website.

Staff also assisted on 55 compliance-related matters for Metropolitan Directors and staff.

ADVICE Program

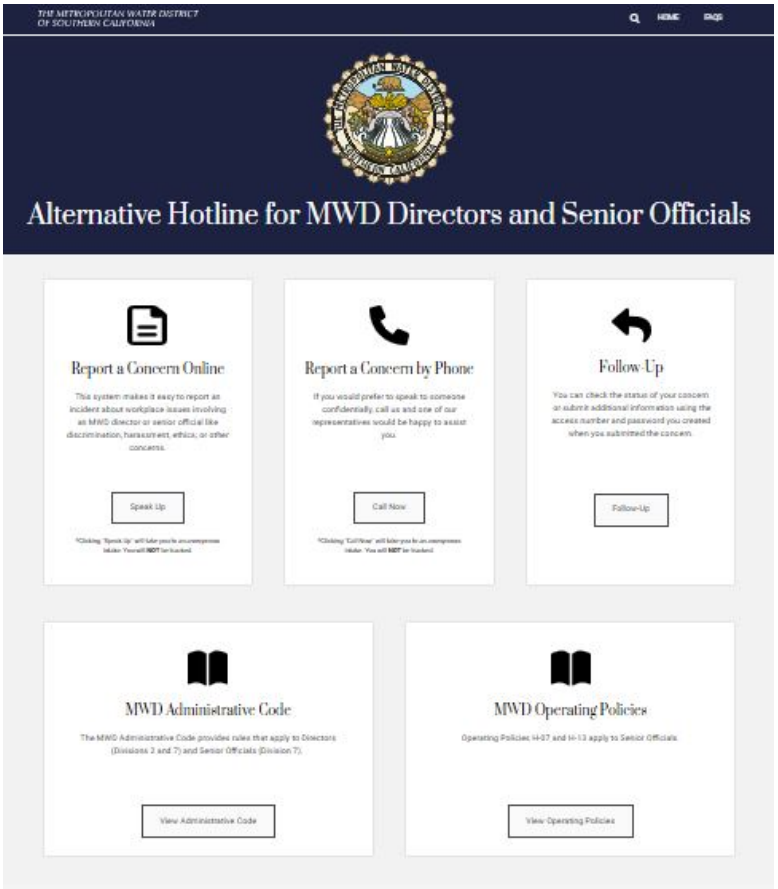
Advice staff responded to 18 new advice matters for Metropolitan officials related to the following ethics laws and policies: conflicts of interest, financial disclosure, gifts, outside employment, and other ethics-related topics. Advice requested included:

- Whether Metropolitan officials must disclose meals provided by other government agencies, severance payments from private employers, cryptocurrency, and other financial interests on Form 700.
- Whether several contractors' prior work on Metropolitan projects precluded them from obtaining additional contracts involving the same project.
- Whether an employee may accept outside employment where the employer's client is a government agency involved in projects with Metropolitan.

Staff also helped identify and advise on potential conflicts of interest in upcoming Committee and Board agenda items.

INVESTIGATION Program

New Alternative Reporting Hotline – As directed by the Board of Directors, the Ethics Office established a new hotline for reporting concerns about Directors and Senior Officials as an alternative to filing complaints directly with the existing Ethics Office or EEO Office hotlines. Complaints submitted to the alternative hotline will be assessed by an outside law firm contracted by Metropolitan and routed to the appropriate Metropolitan office for investigation. Information on the alternative hotline can be found on the IntraMet home page.



Complaints – The Ethics Office received five new complaints involving the following allegations:

- Unfair hiring based on a protected class.
- Retaliation by a manager for reporting potential misconduct.
- Misuse of authority for personal gain by a manager.
- Discrimination and retaliation by Metropolitan officials.
- Prohibited outside employment activity by an employee.

Open Complaints and Investigations – As of January 31, 2025, the Investigations Program is managing a total of 17 open complaints and one open ethics investigation.

SNAPSHOT for January 2025

Advice Matters **18**	Pending Complaints **17**
Compliance Assistance **55**	Investigations Opened **0**
New Complaints Received **5**	Pending Investigations **1**

Mission

The Ethics Office promotes the highest standards of government integrity to support Metropolitan's mission through an independent and comprehensive program that enhances trust, transparency, and accountability for the benefit of the workforce and the public it serves.

Vision

Our vision is to be a leader in governmental ethics with an unparalleled commitment to supporting an ethical organizational culture.

MINUTES

SPECIAL MEETING OF THE

BOARD OF DIRECTORS

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

January 11, 2025

53888 The Board of Directors of The Metropolitan Water District of Southern California met in a special session on Saturday, January 11, 2025.

Chair Ortega called the teleconference meeting to order at 12:00 p.m.

53889 Board Executive Secretary Hudson administered the roll call. Those responding present were: Directors Armstrong, Bryant, Cordero, De Jesus, Dennstedt, Dick, Faessel, Fellow, Garza, Goldberg, Gray, Kassakhian, Kurtz, Lefevre, Lewitt, Ortega, Seckel, and Sutley.

Board Executive Secretary Hudson declared a quorum present.

Directors entered the meeting after the roll call: Alvarez, Crawford, Katz, Luna, McCoy, Pressman, and Ramos.

53890 Chair Ortega invited members of the public to address the Board limited to the items listed on the agenda (in-person and teleconference).

	Name	Affiliation	Comment
1.	Alan Shannahan	AFSCME Local 1902	Metropolitan Response to Fire

53891 Adopt resolution to continue remote teleconference meetings pursuant to the Brown Act Section 54953(e) for meetings of Metropolitan's legislative bodies for a period of 45 days from January 11, 2025 to February 25, 2025 (Agenda Item 5-1). Chair Ortega called for a vote to approve Board Item 5-1 (**M.I. No. 53891**).

Director Fellow moved, seconded by Director Bryant that the Board approve the Board Item 5-1 as follows:

Chair Ortega called on Interim General Manager Upadhyay to discuss Metropolitan response to the fires of 2025. Staff presented the item.

Directors entered the meeting: Alvarez, Crawford, Katz, Luna, McCoy, Pressman, and Ramos.

The following is a record of the vote:

Record of Vote on Item:	5-1								
Member Agency	**Total Votes**	**Director**	**Present**	**Yes**	**Yes Vote**	**No**	**No Vote**	**Abstain**	**Abstain Vote**
Anaheim	6306	Faessel	x	x	6306				
Beverly Hills	4677	Pressman	x	x	4677				
Burbank	3330	Ramos	x	x	3330				
Calleguas Municipal Water District	13627	McMillan							
Central Basin Municipal Water District	20265	Garza	x	x	10133				
		Crawford	x	x	10133				
			Subtotal:		20265				
Compton	678	McCoy	x					x	678
Eastern Municipal Water District	13623	Armstrong	x	x	13623				
Foothill Municipal Water District	2543	Bryant	x	x	2543				
Fullerton	2766	Jung							
Glendale	4165	Kassakhian	x	x	4165				
Inland Empire Utilities Agency	17103	Camacho							
Las Virgenes	3224	Lewitt	x	x	3224				
Long Beach	6805	Cordero	x	x	6805				
Los Angeles	83835	Sutley	x	x	41918				
		Petersen							
		Quinn							
		Luna	x	x	41918				
		Douglas							
			Subtotal:		83835				
Municipal Water Dist. of Orange County	68102	Ackerman							
		Seckel	x	x	34051				
		Dick	x	x	34051				
		Erdman							
			Subtotal:		68102				
Pasadena	4042	Kurtz	x	x	4042				
San Diego County Water Authority	70158	Fong-Sakai							
		Goldberg	x	x	35079				
		Miller							
		Katz	x	x	35079				
			Subtotal:		70158				
San Fernando	274	Ortega	x	x	274				
San Marino	836	Morris							
Santa Ana	3569	Phan							
Santa Monica	5055	Gold							
Three Valleys Municipal Water District	9019	De Jesus	x	x	9019				
Torrance	3781	Lefevre	x	x	3781				
Upper San Gabriel Valley Mun. Wat. Dist.	14079	Fellow	x	x	14079				
West Basin Municipal Water District	28764	Alvarez	x	x	14382				
		Gray	x	x	14382				
			Subtotal:		28764				
Western Municipal Water District	15689	Dennstedt	x	x	15689				
Total	**406315**				**362681**				**678**
Present and not voting									
Absent	**42956**								

The motion to approve the Board Item 5A (**M.I. No. 53891**) passed by a vote of 362,681 ayes; 0 noes; 678 abstain; 0 not voting; and 42,956 absent.

The following Director(s) asked questions or made comments:

Director(s)

1. Sutley
2. Dennstedt
3. Dick
4. Kurtz

53892 There being no objection, at 12:33 p.m. Chair Ortega adjourned the meeting.

Rickita C. Hudson

RICKITA HUDSON
BOARD EXECUTIVE SECRETARY

ADÁN ORTEGA, JR.
CHAIR OF THE BOARD

MINUTES

MEETING OF THE

BOARD OF DIRECTORS

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

January 14, 2025

53893 The Board of Directors of The Metropolitan Water District of Southern California met in on Tuesday, January 14, 2025.

Chair Ortega called the teleconference meeting to order at 12:15 p.m.

53894 The Meeting was opened with an invocation by Tuannee Holmes, Admin Analyst External Affairs and President, Black Employees Association.

53895 The Pledge of Allegiance was given by Director Jeffrey D. Armstrong, Eastern Municipal Water District.

53896 Board Secretary Fong-Sakai administered the roll call. Those responding present were: Directors Ackerman, Alvarez, Armstrong, Bryant, Camacho, Cordero, Crawford, De Jesus, Dennstedt, Dick, Erdman, Faessel, Fellow, Fong-Sakai, Garza, Gold, Goldberg, Gray, Jung, Kassakhian, Katz, Kurtz, Lefevre, McCoy, McMillan, Miller, Morris, Ortega, Petersen, Pressman, Quinn, Ramos, Seckel, and Sutley.

Those not responding were: Directors Douglas, Lewitt, Luna, and Phan.

Board Secretary Fong-Sakai declared a quorum present.

Chair Ortega announced that Metropolitan be honoring Martin Luther King, Jr. Day with social media posts. On January 28, 2025, the Phil Pace Boardroom Dedication will unveil a new portrait, signage, and a video highlighting the Chair Pace's personal and professional accomplishments and legacy.

53897 Chair Ortega invited members of the public to address the Board on matters within the Board's jurisdiction (in-person and via teleconference).

	Name	Affiliation	Comment
1.	John Bednarski	Metropolitan Employee	Metropolitan response to employees affected by the fire

Chair Ortega announced that the Chair's Second Term Priorities meeting has been deferred until February 2025 (Agenda Item 5.1).

Chair Ortega addressed the following: Other Matters and Reports.

53898 Chair Ortega asked if there were any corrections to the report of events attended by Directors at Metropolitan's expense during the month of December, as previously posted and distributed to the Board. None were made.

53899 Chair Ortega referred to the Chair's monthly report, which was previously posted and distributed to the Board. Chair Ortega asked if there are any questions. None were made.

53900 Interim General Manager Upadhyay reported on Metropolitan response and support forthe 2025 fires. An update on Brad Coffey, Metropolitan employee returning to work. Lastly, announcing on February 3, 2025, Geraldine Walters, Assistant Board Administrator, will be retiring after 33 years of service.

The Public Comment Line was reopened due to technical difficulties.

53897 Chair Ortega invited members of the public to address the Board on matters within the Board's jurisdiction (in-person and via teleconference).

	Name	Affiliation	Comment
1.	John Vrsalovich	Metropolitan Employee, Foothill municipal water district board member, treasurer of Rubio Canyon Water, President MAPA	Metropolitan response to employees affected by the fire

Director Sutley made remarks regarding Metropolitan response to member agencies affected by the fire.

53901 General Counsel Scully reported on the legal department employees affected by the fire and Metropolitan response to employees affected by the fire.

53902 General Auditor Suzuki stated he was heartened by the Metropolitan response to employees affected by the fire.

53903 Assistant Ethics Officer Shope stated that she was heartened by Metropolitan response to employees affected by the fire and thanked Geraldine Walters for her service.

Chair Ortega announced that the presentation of the 10-year service pin to Director Ramos, the City of Burbank, has been deferred (Agenda Item 5G).

53904 Induction of new Director Mel Katz, San Diego County Water Authority (Agenda Item 5H). General Counsel Scully reported the credentials are in order and have been received.

53905 Chair Ortega asked the Directors if there were any comments or discussions on the Approval of the Minutes of the Special Joint Executive Committee and Board of Directors Meeting for December 10, 2024 (Agenda Item 6A).

53906 Approve commendatory resolution for Director Timothy Smith representing San Diego County Water Authority (Agenda Item 6B). No comments or questions.

53907 Approve waiver of Administrative Code to extend the term of Nonofficer Members of the Executive Committee through the End of March 2025 (Agenda Item 6C). No comments or questions.

Chair Ortega called on Directors who are requesting that any items be pulled from the Consent Calendar Action Items and to state any recusals, abstentions, and disclosures. None were made.

53908 Authorize an increase of $5.55 million to an agreement with Arcadis U.S. Inc. for a new not-to-exceed amount of $7.55 million for final design to rehabilitate the finished water reservoirs at the Henry J. Mills and Joseph Jensen Water Treatment Plants, as set forth in Agenda Item 7-1 board letter.

53909 Authorize the General Manager to enter into a funding agreement for the Disadvantaged Communities Leak Detection and Repair Program with the U.S. Bureau of Reclamation to implement phase two of the Lower Colorado River Basin System Conservation and Efficiency Program, as set forth in Agenda Item 7-2 board letter.

53910 Authorize: a. renewal of the Municipal Water Quality Investigations Agreement between the Department of Water Resources, the State Water Contractors, and participating urban State Water Project Contractors; and b. renewal of the Municipal Water Quality Investigations Program Specific Project Agreement between the State Water Contractors and participating urban State Water Project Contractors, as set forth in Agenda Item 7-3 board letter.

53911 Adopt CEQA determination that the proposed action related to the fallowing program was previously addressed in various CEQA documents and related actions, and authorize the General Manager to enter into an agreement for Reclamation to fund the generation of up to 36,066 AF of conserved Colorado River system water between August 1, 2026, and December 31, 2026, as set forth in Agenda Item 7-4 board letter.

53912 Authorize an increase of $150,000, to an amount not to exceed $450,000 for an existing contract with GeoPentech, Inc. for consulting services, as set forth in Agenda Item 7-5 board letter.

53913 Authorize increase in the maximum amount payable under a contract for legal services with Seyfarth Shaw LLP for Darren A. Reese v. Metropolitan Water District of Southern California in the amount of $150,000 for a total amount not to exceed $900,000, as set forth in Agenda Item 7-6 board letter.

53914 Authorize the General Counsel to increase the amount payable under its agreement with Olson Remcho LLP by $200,000 to a maximum amount payable of $600,000, as set forth in Agenda Item 7-7 board letter.

Director Camacho moved, seconded by Director Erdman, that the Board approve the Consent Calendar Items 6A, 6B, 6C, 7-1 through 7-7 follows:

Chair Ortega called for a vote to approve the Consent Calendar Items 6A, 6B, 6C, 7-1 through 7-7.

The following is a record of the vote:

Record of Vote on Consent Item(s):	6A, 6B, 6C, 7-1 through 7-7								
Member Agency	**Total Votes**	**Director**	**Present**	**Yes**	**Yes Vote**	**No**	**No Vote**	**Abstain**	**Abstain Vote**
Anaheim	6306	Faessel	x	x	6306				
Beverly Hills	4677	Pressman	x	x	4677				
Burbank	3330	Ramos	x	x	3330				
Calleguas Municipal Water District	13627	McMillan	x	x	13627				
Central Basin Municipal Water District	20265	Garza	x	x	10133				
		Crawford	x	x	10133				
			Subtotal:		20265				
Compton	678	McCoy	x	x	678				
Eastern Municipal Water District	13623	Armstrong	x	x	13623				
Foothill Municipal Water District	2543	Bryant	x	x	2543				
Fullerton	2766	Jung	x	x	2766				
Glendale	4165	Kassakhian	x	x	4165				
Inland Empire Utilities Agency	17103	Camacho	x	x	17103				
Las Virgenes	3224	Lewitt							
Long Beach	6805	Cordero	x	x	6805				
Los Angeles	83835	Sutley	x	x	27945				
		Petersen	x	x	27945				
		Quinn	x	x	27945				
		Luna							
		Douglas							
			Subtotal:		83835				
Municipal Water Dist. of Orange County	68102	Ackerman	x	x	17026				
		Seckel	x	x	17026				
		Dick	x	x	17026				
		Erdman	x	x	17026				
			Subtotal:		68102				
Pasadena	4042	Kurtz	x	x	4042				
San Diego County Water Authority	70158	Fong-Sakai	x	x	17540				
		Goldberg	x	x	17540				
		Miller	x	x	17540				
		Katz	x	x	17540				
			Subtotal:		70158				
San Fernando	274	Ortega	x	x	274				
San Marino	836	Morris	x	x	836				
Santa Ana	3569	Phan							
Santa Monica	5055	Gold	x	x	5055				
Three Valleys Municipal Water District	9019	De Jesus	x	x	9019				
Torrance	3781	Lefevre	x	x	3781				
Upper San Gabriel Valley Mun. Wat. Dist.	14079	Fellow	x	x	14079				
West Basin Municipal Water District	28764	Alvarez	x	x	14382				
		Gray	x	x	14382				
			Subtotal:		28764				
Western Municipal Water District	15689	Dennstedt	x	x	15689				
Total	**406315**				**399522**				
Present and not voting									
Absent	**6793**								

The motion to approve the Consent Calendar Items 6A, 6B, 6C, 7-1 through 7-7 (**M.I. No. 53905 through 53914**) passed by a vote of 399,522 ayes; 0 noes; 0 abstain; 0 not voting; and 6,793 absent.

Chair Ortega called on Directors who would request to vote on Board Items 8-1, 8-2, or 8-3 separately or discuss Board Items 8-2 or 8-3 in closed session. None were made.

53915 Adopt a resolution to support a grant application selected to receive United States Department of the Interior, Bureau of Reclamation WaterSMART: Applied Sciences Program funding for fiscal year 2023 for an amount totaling $390,000; authorize Metropolitan's non-federal cost share of $130,000; and authorize the General Manager to enter a contract with the United States Department of the Interior, Bureau of Reclamation, subject to General Counsel approval (Board Item 8-1).

53916 Authorize an increase in the maximum amount payable under contract for legal services with Seyfarth Shaw LLP, in the amount of $250,000 for a total amount not to exceed $500,000 (Board Item 8-2).

53917 Authorize an increase in the maximum amount payable under contract for legal services with BDG Law Group, APLC, in the amount of $250,000 for a total amount not to exceed $500,000 (Board Item 8-3).

Director Faessel moved, seconded by Director Morris, that the Board approve the Board Items 8-1, 8-2, and 8-3 as follows:

Chair Ortega called for a vote on the motion for Board Items 8-1, 8-2, and 8-3, as stated.

The following is a record of the vote:

Record of Vote on Item:	8-1, 8-2, and 8-3								
Member Agency	**Total Votes**	**Director**	**Present**	**Yes**	**Yes Vote**	**No**	**No Vote**	**Abstain**	**Abstain Vote**
Anaheim	6306	Faessel	x	x	6306				
Beverly Hills	4677	Pressman	x	x	4677				
Burbank	3330	Ramos	x	x	3330				
Calleguas Municipal Water District	13627	McMillan	x	x	13627				
Central Basin Municipal Water District	20265	Garza	x	x	10133				
		Crawford	x	x	10133				
			Subtotal:		20265				
Compton	678	McCoy	x	x	678				
Eastern Municipal Water District	13623	Armstrong	x	x	13623				
Foothill Municipal Water District	2543	Bryant	x	x	2543				
Fullerton	2766	Jung	x	x	2766				
Glendale	4165	Kassakhian	x	x	4165				
Inland Empire Utilities Agency	17103	Camacho	x	x	17103				
Las Virgenes	3224	Lewitt							
Long Beach	6805	Cordero	x	x	6805				
Los Angeles	83835	Sutley	x	x	27945				
		Petersen	x	x	27945				
		Quinn	x	x	27945				
		Luna							
		Douglas							
			Subtotal:		83835				
Municipal Water Dist. of Orange County	68102	Ackerman	x	x	17026				
		Seckel	x	x	17026				
		Dick	x	x	17026				
		Erdman	x	x	17026				
			Subtotal:		68102				
Pasadena	4042	Kurtz	x	x	4042				
San Diego County Water Authority	70158	Fong-Sakai	x	x	17540				
		Goldberg	x	x	17540				
		Miller	x	x	17540				
		Katz	x	x	17540				
			Subtotal:		70158				
San Fernando	274	Ortega	x	x	274				
San Marino	836	Morris	x	x	836				
Santa Ana	3569	Phan							
Santa Monica	5055	Gold	x	x	5055				
Three Valleys Municipal Water District	9019	De Jesus	x	x	9019				
Torrance	3781	Lefevre	x	x	3781				
Upper San Gabriel Valley Mun. Wat. Dist.	14079	Fellow	x	x	14079				
West Basin Municipal Water District	28764	Alvarez	x	x	14382				
		Gray	x	x	14382				
			Subtotal:		28764				
Western Municipal Water District	15689	Dennstedt	x	x	15689				
Total	**406315**				**399522**				
Present and not voting									
Absent	**6793**								

The motion to approve the Board Items 8-1, 8-2 and 8-3 (**M.I. No. 53915 and 53917**) passed by a vote of 399,522 ayes; 0 noes; 0 abstain; 0 not voting; and 6,793 absent.

53918 Discuss and confer with legal counsel in closed session and provide direction to staff and approve staff recommendation provided in closed session. (Agenda Item 8-5).

Director Camacho moved, seconded by Director Morris, that the Board approve the Board Item 8-5 as follows:

Chair Ortega called for a vote on the motion for Board Item 8-5 as stated.

The following Director(s) asked questions or made comments:

Director(s)

1. Bryant

General Counsel responded to the Directors' comments and questions.

The following is a record of the vote:

Record of Vote on Item:	8-5								
Member Agency	**Total Votes**	**Director**	**Present**	**Yes**	**Yes Vote**	**No**	**No Vote**	**Abstain**	**Abstain Vote**
Anaheim	6306	Faessel	x	x	6306				
Beverly Hills	4677	Pressman	x	x	4677				
Burbank	3330	Ramos	x	x	3330				
Calleguas Municipal Water District	13627	McMillan	x	x	13627				
Central Basin Municipal Water District	20265	Garza	x	x	10133				
		Crawford	x	x	10133				
			Subtotal:		20265				
Compton	678	McCoy	x	x	678				
Eastern Municipal Water District	13623	Armstrong	x	x	13623				
Foothill Municipal Water District	2543	Bryant	x			x	2543		
Fullerton	2766	Jung	x	x	2766				
Glendale	4165	Kassakhian	x	x	4165				
Inland Empire Utilities Agency	17103	Camacho	x	x	17103				
Las Virgenes	3224	Lewitt							
Long Beach	6805	Cordero	x	x	6805				
Los Angeles	83835	Sutley	x	x	41918				
		Petersen	x	x	41918				
		Quinn							
		Luna							
		Douglas							
			Subtotal:		83835				
Municipal Water Dist. of Orange County	68102	Ackerman	x	x	17026				
		Seckel	x	x	17026				
		Dick	x	x	17026				
		Erdman	x	x	17026				
			Subtotal:		68102				
Pasadena	4042	Kurtz	x	x	4042				
San Diego County Water Authority	70158	Fong-Sakai	x						
		Goldberg	x						
		Miller	x						
		Katz	x						
			Subtotal:						
San Fernando	274	Ortega	x	x	274				
San Marino	836	Morris	x	x	836				
Santa Ana	3569	Phan							
Santa Monica	5055	Gold	x	x	5055				
Three Valleys Municipal Water District	9019	De Jesus	x	x	9019				
Torrance	3781	Lefevre	x	x	3781				
Upper San Gabriel Valley Mun. Wat. Dist.	14079	Fellow	x	x	14079				
West Basin Municipal Water District	28764	Alvarez	x	x	28764				
		Gray							
			Subtotal:		28764				
Western Municipal Water District	15689	Dennstedt	x	x	15689				
Total	**406315**				**326821**		**2543**		
Present and not voting	**70158**								
Absent	**6793**								

The motion to approve the Board Item 8-5 (**M.I. No. 53918**) passed by a vote of 326,821 ayes; 2,543 noes; 0 abstain; 70,158 not voting; and 6,793 absent.

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Chair Ortega advised Board Vice Chair Camacho would proceed with chairing the board meeting for Item 8-4. Vice Chair Camacho called the meeting into closed session.

Coming out of closed session, Board Vice Chair Camacho reported there are no reportable actions on Board Item 8-4.

Board Vice Chair Camacho advised Chair Ortega would proceed with chairing the remaining of the board meeting.

53919 Chair Ortega asked if there were questions or need for discussion on Board Information Items 9-1, 9-2 or 9-3. No requests were made.

Chair Ortega called on Director Katz for an introduction to the Board. Director Katz made remarks.

53920 Chair Ortega asked if there were any Follow-Up Items.

The following Director(s) asked questions or made comments:

Director(s)

1. Camacho
2. Bryant

53921 Chair Ortega asked if there were any Future Agenda Items. No requests were made.

53922 There being no objection, the meeting was adjourned at 1:25 p.m.

LOIS FONG-SAKAI
BOARD SECRETARY

ADÁN ORTEGA, JR.
CHAIR OF THE BOARD

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Action

- **Board of Directors**

2/11/2025 Board Meeting

6B

Subject

Approve Chairs and Vice Chairs for the term commencing on February 11, 2025, governance changes to Committees and Committee formation, and direct staff to bring back the required changes to the Administrative Code for Board approval; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

This document 1) provides information and recommendations from the Chair; 2) outlines various Committee appointments and proposed board organizational changes for the Metropolitan Board Chair's second term for approval by the Board; and 3) provides the Chair's recommendations for the creation of Subcommittees.

Information:

- **Committee Membership Requests**: Board members are asked to rank their preferred Committee memberships by March 5, 2025, and send via email to the Chair with cc: jrubin@mwdh2o.com.
    - **At-Large Executive Committee Nominations and Election**: The election for four at-large, non-officer positions on the Executive Committee will take place at the March Board meeting. The Board Executive Secretary will accept nominations from board members and nominations can be made from the floor at the time of the election as well. The Chair nominates for at-large positions on the Executive Committee: Cynthia Kurtz, Fred Jung, Carl Douglas, and Karl Seckel.

Proposals for approval by the Board:

- **Standing Committee Appointments**: Recommendations for standing Committee Chairs and vice chairs include re-appointments and new appointments, with changes highlighted in bold.
- **Planning Committees (Non-standing)**: Long-term Planning Committee to continue under Finance, Affordability, Asset Management and Efficiency, and Sub-Committee on Imported Water Proposed under One Water and Adaptation Committee.
- **Ad Hoc Committees**: Leadership proposed for several Ad Hoc Committees, including the Ad Hoc Committee on EEO Investigations, Executive Performance, and Communications and Facilities Naming. Ad Hoc Ag and Tribal Partnerships Committee proposed.
- **External Appointments**: Reporting to the Board appointments to external organizations including Colorado River Board and others.
- **Explanation of board officer roles and revised focus of some Committees**
- **List of eliminated Committees**

Recommendations:

Recommendations for the creation of subcomittees are set forth below.

Background and Details

In meeting second term objectives of stabilizing Metropolitan internally, redoubling our commitment to climate action, long-term supply sustainability, stewardship and financial stability, I submit for the Board's consideration the following modifications and leadership appointments to our Committees. I am also notifying the board of appointments I am making as authorized in the administrative code, for representation of Metropolitan to external organizations.

COMMITTEE MEMBERSHIP APPOINTMENTS: Board Chairs are required by the Administrative Code to appoint each director to at least one standing Committee. Board Chairs traditionally will consider director's requests to join additional standing, and other Committees.

I request all members of the Board to provide me a ranked list of your preferred standing Committee and other planning and Ad Hoc Committee memberships you wish to belong to by 5:00 p.m. on Wednesday, March 5, 2025 send via email with a copy to jrubin@mwdh2o.com. Please note that Ad Hoc Committees cannot exceed a majority of the board's weighted vote so membership has to be limited.

Following are my proposal for changes to the Standing Committees changes to Ad Hoc Committees (creation of new ones and elimination of some existing) and officers of Standing Committees for approval by the Board as well my recommendations for Subcommittes to be formed by the Standing Committees. I am also including, for your information, my nominations for the at-large (non-officer) positions on the Executive Committee. I have included my appointments to Ad Hoc Committees, including new Committees approved by the Board. The members of the Ad Hoc Committees do not require Board Approval. (Changes are denoted in bold font):

Standing Committees (Chairs are Members of the Executive Committee, Vice Chairs Alternates)

1. Re-Appointment of Gail Goldberg, Michael Camacho, and Nancy Sutley as Board Vice Chairs (Without Portfolios but retain ex-officio status if the Chair is absent in designated Committees by the Board Chair)
2. **Appointment of Juan Garza as Board Vice Chair**
3. Re-appointment of Tracy Quinn, Chair of One Water & Adaptation Committee (OWA) **Appointment Mel Katz, Vice Chair**
4. Re-appointment of Dennis Erdman, Chair of Engineering, Operations and Technology Committee (EOT), **Appointment of Steve Faessel, Vice Chair**
5. Re-appointment of Miguel Luna, Chair of Legal and Claims Committee, **Appointment of Jacque McMillan, Vice Chair**
6. Re-appointment of Jeff Armstrong, Chair of Audit Committee, **Appointment of Marsha Ramos, Vice Chair**
7. Re-appointment of Barry Pressman, Chair of Organization, Personnel and Effectiveness Committee (OPE), **appointment of Garry Bryant, Vice Chair** (OPE will focus on personnel matters, bargaining unit negotiations, oversight of training programs, talent recruitment)
8. Re-appointment of Tana McCoy, Chair of **Ethics, EEO, Diversity, Equity and Inclusion Committee,** re-appointment of Gloria Cordero, Vice Chair (The EEDEI Committee will focus on EEO compliance, Ethics compliance programs, review of workplace climate surveys by Ethics/EEO, reports on employee resources group activities, review effectiveness of workforce and regional vendor recruitment programs and policies for achieving equal opportunity for all)

9. **Appointment of Marty Miller, Chair of Finance, Affordability, Asset Management, and Efficiency Committee, Appointment of Desi Alvarez, Vice Chair Budget** (FAAME will assume oversight of affordability and efficiency in addition to those previously assigned financial activities, including budget)

10. **Appointment of Jay Lewitt, Chair of Legislation and Communications Committee, Appointment of Ardy Kassakhian, Vice Chair Legislation; Tony Fellow Vice Chair-Communications** (Committee Vice Chairs will be charged with special assignments in their designated fields)

Recommendations for Actions by Committees

Recommendations for Subcommittees Planning Committees to be taken by the Standing Committee

Subcommittee on Long-Term Planning Processes and Business Modeling under Finance, Affordability, Asset Management and Efficiency Committee Re-appointment of Matt Petersen, Chair, and Karl Seckel, Vice Chair

Recommend formation of Subcommittee on Imported Water under One Water and Adaptation Committee Committee Leadership to be appointed by the Committee Chair. Subcommittee membership to be comprised of Metropolitan representatives to the Colorado River Board, Colorado River Water Users Association, Bay-Delta Construction and Finance Authorities, Palo Verde Proxy Voting Representative, and other members of the One Water Committee wishing to participate as selected by the Committee Chair.

Creation of and Appointments to Ad Hoc Committees
(Board Approval required to create Ad Hoc Committees
(Board Approval is not required for members - serve at the pleasure of the Chair)

Creation of Ad Hoc Committee on Ag and Tribal Partnerships, Appointment of Cynthia Kurtz, Chair, and Larry Dick, Vice Chair (This Ad Hoc Committee is comprised of Metropolitan's representatives to Palo Verde matters, potential interstate conservation/storage initiatives, as well as Directors focused on partnerships in the Central Valley and Yolo County to better manage state water project supplies through increased ground-storage, transfers, and conservation).

Creation of Ad Hoc Committee on Executive Performance, Appointment of Barry Pressman, Chair, Lois Fong Sakai, Vice Chair, Members Garry Bryant, Jeff Armstrong, Brenda Densteadt, Mark Gold

Creation of Ad Hoc Committee on Communications and Facilities Naming, Appointment of Anthony Fellow, Chair, Linda Ackerman, Vice Chair, Members Michael Camacho, Gloria Cordero, Tana McCoy

Appointment of Karl Seckel, Chair, Ad Hoc Committee on Equal Employment Opportunity Investigations, Appointment of Marty Miller Vice Chair, Member Tana McCoy, Alternate Fred Jung

Appointments to Outside Entities

Gloria Cordero, Member, Colorado River Board, Alternate Michael Camacho – Continuing Appointments already approved by Governor Newsom

Michael Camacho, Vote Proxy, Palo Verde Annual Elections

Appointment of Gloria Cordero, Metropolitan Representative Colorado River Water Users Association (CRWUA)

Cynthia Kurtz, Desi Alvarez, David De Jesus, Metropolitan Representatives Palo Verde Land Management Committee & Community Fund

Re-Appointment of Miguel Luna, Metropolitan Representative, Bay-Delta Construction Authority, and appointment to **Bay-Delta Finance Authority, Jacque McMillan Alternate to both**

Appointment of Dennis Erdman, as Metropolitan Representative to the National Water Research Institute

Appointment of Ardy Kassakhian as alternate Metropolitan Representative to the Los Angeles Area Chamber of Commerce

Explanation of Titles, Roles, Duties and Responsibilities

Board Vice Chairs will no longer "oversee" fixed portfolios of Committees. They will act as proxies for the Board Chair at Committees as assigned by the Board Chair. In the Board Chair's absence, the proxy can be used to vote to break a tie in a Committee, maintain a quorum, and preside over the meeting if the Committee Chair and Vice Chair are not present in person.

Committee Vice Chairs serve as alternates as presiding officers of Committee meetings and for voting when the Committee Chair is absent at the Executive Committee.

Ad Hoc Committees will provide reports to the Executive Committee as stipulated by the Administrative Code, as well as Committees where the subjects are relevant.

Audit Committee will be a full standing Committee of the board, not a subcommittee of the Executive Committee.

Organization, Personnel, and Effectiveness Committee will focus on personnel matters, bargaining unit negotiations, oversight of training programs, executive recruitment programs.

Ethics, EEO, Diversity, Equity and Inclusion Committee will focus on EEO compliance, ethics programs, review of workplace climate surveys by ethics, reports on employee resources group activities, review effectiveness of workforce and regional vendor recruitment programs and related policies for meeting goals and achieving equal opportunity for all.

Finance, Affordability, Asset Management, and Efficiency Committee will assume oversight of affordability and efficiency in addition to oversight in previously assigned financial activities including budget.

Request of Approval of Elimination of the following Subcommittees

Subcommittee on Pure Water Southern California and Regional Conveyance (Chair of EOT will schedule special focused meetings and board workshops on upcoming critical milestones.)

Subcommittee on Demand Management and Conservation Programs and Priorities (Only one meeting was held during 1st term. To be treated as a higher priority at One Water and Stewardship Committee).

Request of Approval of Elimination of the following Ad Hoc Committees

Ad Hoc Committee on Bay-Delta Negotiation (Transferred to Subcommittee on Imported Water)

Ad Hoc Committee on Colorado River (Transferred to Subcommittee on Imported Water)

Ad Hoc Committee on San Diego Litigation (Task Completed)

Ad Hoc Committee on Policy Impacts of Third Party Changes to Member Agency Boundaries (Task Completed)

Proposed Action(s)/Recommendation(s) and Options

Staff Recommendation: Option #1

Option #1

Approve Chairs and Vice Chairs for the term commencing on February 11, 2025, governance changes to Committees and Committee formation including the modification of Standing Committees and the creation and elimination of Ad Hoc Committees as set forth above, and direct staff to bring back the required changes to the Administrative Code for Board approval.

Fiscal Impact: None
Business Analysis: The appointments and changes to the scope of some Committees intended to align with the Chair's, Board, and Metropolitan priorities.

Option #2

Do not approve

Fiscal Impact: None

Business Analysis: Existing Board governance structure will be unchanged and the Chair's proposals for Board leadership will not be approved.

Alternatives Considered

Not applicable.

Applicable Policy

Metropolitan Water District Administrative Code Section 2310: Ad Hoc Committees

Metropolitan Water District Administrative Code Section 2311: Subcommittees

Metropolitan Water District Administrative Code Section 2401: Officers and Members of Standing Committees

Related Board Action(s)/Future Action(s)

Not applicable.

Summary of Outreach Completed

Not applicable.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is not defined as a project under CEQA because it will not result in either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment. (State CEQA Guidelines Section 15378(a).)

CEQA determination for Option #2:

None Required.

2/8/2025

Adan Ortega, Jr. *Date*
Chair of the Board

Ref# bd12707932

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Action

- **Board of Directors**
  Engineering, Operations, and Technology Committee

2/11/2025 Board Meeting

7-1

Subject

Award a $2,556,478.19 construction contract to MasTec Network Solutions LLC for upgrades to the desert microwave communications system; award a $1,531,044 procurement contract to Logicalis Inc. for communications sites network equipment; authorize an increase of $591,000 to an existing agreement with Nokia of America Corporation, for a new not-to-exceed amount of $5,888,000 for network materials and manufacturer's field services; and authorize an increase of $680,000 to an existing agreement with Hatfield & Dawson Consulting Engineers LLC, for a new not-to-exceed amount of $1,410,000 to provide technical support during construction; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

Metropolitan's desert region microwave radio communications system spans over 300 miles. It transmits voice, data, video, and supervisory control and data acquisition (SCADA) data between the desert facilities and all other Metropolitan facilities. The existing microwave radios have reliability issues that cause intermittent network communication failures and shortcomings that limit the amount of data reliably transmitted through the communication system.

This action awards a construction contract for upgrades to the desert microwave communications system and a procurement contract for network equipment in support of the microwave system upgrades. This action also amends two existing agreements to provide manufacturer's field services during construction and specialized technical support during construction. See **Attachment 1** for the Allocation of Funds, **Attachment 2** for the Abstract of Bids, **Attachment 3** for the Subcontractors for Low Bidder, and **Attachment 4** for the Location Map.

Proposed Action(s)/Recommendation(s) and Options

Staff Recommendation: Option #1

Option #1

a. Award a $2,556,478.19 construction contract to MasTec Network Solutions LLC for upgrades to the desert microwave communication tower sites;
b. Award a $1,531,044 procurement contract to Logicalis Inc. for communications site network equipment;
c. Authorize an increase of $591,000 to the agreement with Nokia of America Corporation for a new not-to-exceed amount of $5,888,000 for network materials and manufacturer's field services; and
d. Authorize an increase of $680,000 to the agreement with Hatfield & Dawson Consulting Engineers LLC for a new not-to-exceed amount of $1,410,000 to provide specialized technical support during construction and commissioning.

Fiscal Impact: Expenditure of $8.3 million in capital funds. All costs will be incurred in the current biennium and have been previously authorized. (The not-to-exceed contract amount for the agreement with Nokia of America

Corporation includes a previously board-authorized amount of $5.297 million for microwave radio equipment.)
Business Analysis: This option will enhance the reliability of the desert region's communications system, which serves the Colorado River Aqueduct (CRA) facilities and power transmission protection systems.

Option #2
Do not proceed with this project at this time.
Fiscal Impact: None
Business Analysis: This option would extend the present risk of communications failures in the desert region, including the SCADA system. Depending on the failure type, the results can vary from minor communication issues to the inability to monitor or control the flow of water, pumps, valves, and flowmeters, which could result in system damage or unplanned CRA outages.

Alternatives Considered

During this project's planning phase, staff examined an alternative of undertaking an in-place rehabilitation of the existing desert microwave radio wireless wide area network (WAN) sites. This alternative would include removing and replacing individual components of the system to upgrade as many of the existing components as possible while leaving in place some of the critical structural elements of the existing systems. Staff determined that the replacement of key components may extend the life of the WAN system for a limited time but would not achieve the long-term rehabilitation goals of the project because many of the 17-year-old components would remain in place. Replacement of the microwave radio WAN equipment also allows for standardizing the systems across the desert region, thus minimizing the capital cost, simplifying maintenance, and improving the interchangeability of parts. It also increases the system's overall reliability, reduces the risk of communications interruptions, and streamlines future system maintenance and operational requirements.

Applicable Policy

Metropolitan Water District Administrative Code Section 8121: General Authority of the General Manager to Enter Contracts

Metropolitan Administrative Code Section 8140: Competitive Procurement

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

Related Board Action(s)/Future Action(s)

By Minute Item 52438, dated July 13, 2021, the Board authorized the procurement of equipment and specialized technical and design support services to upgrade the wide area network for Metropolitan's desert region facilities.

By Minute Item 53598, dated April 9, 2024, the Board appropriated a total of $636.6 million for projects identified in the Capital Investment Plan for Fiscal Years 2024/2025 and 2025/2026.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is exempt from CEQA because it involves the operation, repair, and maintenance of existing public structures, facilities, and mechanical equipment involving negligible or no expansion of existing or former use and no possibility of significantly impacting the physical environment. In addition, the proposed action is exempt from CEQA because it consists of the replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced. Finally, the proposed action is exempt from CEQA because it consists of minor public or private alterations in the condition of land, water, and/or vegetation that do not involve the removal of healthy, mature, scenic trees except for forestry or agricultural purposes. (State CEQA Guidelines Sections 15301, 15302, and 15304.)

CEQA determination for Option #2:

None required

Details and Background

Background

Metropolitan's microwave WAN was constructed in the late 1990s and transmits telephone, voice, data, and video communication between all Metropolitan facilities. Critical system data transmitted over the WAN include automated meter readings, security camera video and alarms, high-voltage transmission line tele-protection system communications, and SCADA system data. The WAN also provides staff at remote sites access to email, geographical information systems, Oracle financials, timekeeping, PeopleSoft, and other applications. Many of these systems run 24 hours per day, 7 days per week, as system operators rely on real-time communications to monitor and control Metropolitan's water delivery system.

The WAN presently comprises a network of 72 transmission tower sites throughout Southern California, including 22 in Metropolitan's desert region that support the CRA and its 230 kV electrical power transmission system. Along the CRA, microwave transmission towers are typically located on hilltops 20 to 50 miles apart. Microwave radio relays transmit signals between two locations on a line-of-sight radio path to provide point-to-point communication links along a network of paths that extend nearly 300 miles. Each transmission site typically has a steel lattice tower and a small communication building nearby. Directional antennas, which receive and transmit signals, are mounted on the tower and feed signals to the microwave radio and network equipment housed in the communication building. Fiber optic cables carry signals between the network equipment in the communication building and a nearby worksite or facility.

Metropolitan's microwave radio WAN is approaching the end of its useful service life. Typical life expectancy for microwave radios ranges from 12 to 15 years, and Metropolitan's equipment was last updated in 2007. Reliability issues are causing intermittent network communication failures in the desert portion of the radio WAN system. Additionally, the existing microwave radio WAN does not provide carrier-grade transmission capabilities, a shortcoming that limits the amount of data reliably transmitted through the communication system. Finally, given the lack of private internet service providers along the CRA's remote and isolated facilities, Metropolitan's WAN is this region's primary, and in some cases, the sole data transmission and electronic communications system. A malfunction of a single tower along the desert region WAN can disrupt communications to all desert facilities.

The Desert Microwave Tower Sites Upgrade project will not only replace outdated and obsolete microwave radio equipment with higher capacity ones but will also upgrade the system with a connection to a privately-owned communications site in Las Vegas, Nevada (the SUPERNAP site), that will tie the northeastern end of the WAN system to commercial internet service, thereby providing system redundancy. In addition, all desert region microwave towers will be upgraded with two antennas instead of one, providing additional signal strength. Metropolitan has reserved a radio frequency license from the Federal Communications Commission; the license requires that the system be brought online by April 2026. Design for this project is complete, Metropolitan-furnished equipment that will be installed by the contractor has been fabricated, and staff recommends upgrading the desert microwave system at this time.

Desert Microwave Tower Sites Upgrade – Construction

This project will upgrade microwave radio and network equipment at 22 existing communications sites throughout the desert for increased system reliability and extend the WAN to one new communication site in Las Vegas, Nevada, for system redundancy. Contractor work entails upgrades at the 22 existing communications sites, including demolition of existing equipment and installation of Metropolitan-furnished microwave radios, antennas, feedhorns, and waveguides; and installation of a Metropolitan-furnished standby generator at the Camino communications site. Metropolitan forces will install microwave radio equipment at two sites: the new SUPERNAP site and one of the existing communications sites. They will also install new network equipment, such as routers and switches, at all 23 communications sites to interface the new radio equipment with existing communications lines.

A total of $8.3 million is allocated for this work. Allocated contract work includes $2,556,478.19 for installation of network equipment; $1,531,044 for Logicalis Inc. for furnishing network equipment, including estimated sales tax; $591,000 for Nokia of America Corporation (Nokia) for equipment and manufacturer's field services, and $680,000 for Hatfield & Dawson Consulting Engineers LLC (H&D), for technical support during construction, as described below; and $253,000 for Lee & Ro Inc. under an existing board-authorized on-call agreement for engineering support during construction and preparation of record drawings. Allocated funds for work by Metropolitan staff include: $1,049,000 for Metropolitan force work; $478,000 for submittal review and preparation of record drawings; $451,000 for construction management and inspection; $628,000 for contract administration, environmental support, and project management, and $82,477.81 for remaining budget. **Attachment 1** shows the allocation of the required funds.

Award of Construction Contract (MasTec Network Solutions LLC)

Specification No. 2062 to upgrade the Desert microwave communication tower sites was advertised for bids on October 17, 2024. As shown in **Attachment 2**, one bid was received and opened on January 14, 2025. The sole bid from MasTec Network Solutions LLC, in the amount of $2,556,478.19, complies with the requirements of the specifications. The engineer's estimate for this project was approximately $3,160,000. Staff attributes the lone bid to a limited pool of qualified contractors, the remote location, and the need for contractor licenses from multiple states. For this contract, Metropolitan established a Small Business Enterprise participation level of 20 percent of the bid amount. MasTec Network Solutions LLC has agreed to meet this level of participation. The subcontractors for this contract are listed in **Attachment 3.**

This action awards a $2,556,478.19 contract to MasTec Network Solutions LLC for the installation of new Metropolitan-furnished microwave radio equipment at 22 communications sites throughout the desert region; installation of a new Metropolitan-furnished 36 kW standby generator; and a new contractor-furnished 1,000-gallon propane tank at the Camino communications site. As mentioned above, Metropolitan staff will perform construction management and inspection. Engineering Services' performance metric target range for construction management and inspection of projects with construction costs greater than $3 million is 15 percent. For this project, the performance metric for inspection is 4.7 percent. The total construction cost ($9,642,398), includes the network equipment installation contract ($2,556,478), communications site network equipment ($1,531,044), Metropolitan force construction ($1,049,000), and previously procured microwave equipment ($4,505,876).

Award of Procurement Contract (Logicalis Inc.)

Metropolitan initiated the procurement for the network equipment under Metropolitan Administrative Code Section 8140(1)(l), which allows Metropolitan to "piggyback" (i.e., gain access to) contracts established by other public agencies that substantially follow Metropolitan's own competitive procurement process. As the lead agency in 2019, the State of Utah Division of Purchasing & General Services completed a competitive request for proposals for Data Communications Products & Services. Currently, 32 states participate in this cooperative purchasing program, known as the National Association of State Procurement Officials (NASPO) ValuePoint Cooperative Purchasing Program for Data Communications Products & Services (Master Contract Number AR3227), including the State of California. Metropolitan's Office of the General Counsel has determined that the competitive process under which this contract was established substantially complies with Metropolitan's competitive procurement process.

Metropolitan utilized the NASPO contract to obtain discounts for network equipment through further competition by soliciting pricing from six authorized distributors identified in Master Contract Number AR3227. Out of the six firms invited to participate, two responses were received: from ConvergeOne Inc. and from Logicalis Inc. Staff has compared the submitted prices under this contract and determined Logicalis Inc. provided the best pricing.

This action authorizes a $1,531,044 procurement contract, including estimated sales tax, to Logicalis Inc. under the State of California Participating Addendum Number 7-20-70-47-01 Utah NASPO ValuePoint Master

Agreement Number AR3227 to furnish Cisco network equipment including, but not limited to, routers, switches, and software licenses for communications system upgrades to all 23 desert region WAN communications sites.

Manufacturer's Field Services (Nokia of America Corporation) – Amendment to Existing Agreement

In July 2021, Metropolitan's Board awarded a $5.297 million procurement and design support agreement with Nokia for new microwave radio equipment and design support for the desert WAN. Nokia equipment and services were procured under Metropolitan Administrative Code Section 8140(1)(l), allowing Metropolitan to access contracts established by other public agencies that substantially follow Metropolitan's competitive procurement process. The new equipment has been delivered, and services have been provided per the original agreement. Staff recommends amending the agreement with Nokia to cover manufacturer's field services during installation.

During construction, Nokia will provide start-up, cutover, and commissioning services for Nokia network router devices. This action authorizes an increase of $591,000 ($150,000 for additional network materials and $441,000 for manufacturer's field support services) to an existing agreement with Nokia for a new not-to-exceed total of $5,888,000. For this agreement, Metropolitan has not established a Small Business Enterprise participation level. There are no subconsultants planned for this work.

Specialized Technical Support (Hatfield & Dawson Consulting Engineers LLC) – Amendment to Existing Agreement

This action authorizes an increase of $680,000 to an existing agreement with H&D for a new not-to-exceed total of $1,410,000 to provide technical support services during construction. H&D was initially selected through a competitive process via Request for Proposals (RFP) No. 1179. An agreement with H&D was authorized by Metropolitan's Board in January 2019 for an amount not to exceed $480,000 to assist with design of the desert region microwave radio WAN system upgrades. In July of 2021, Metropolitan's Board authorized an increase to the amount not to exceed from $480,000 to $730,000 for specialized technical support during the procurement and initial development phase. Amending H&D's contract to provide technical support during construction is consistent with the scope of the original RFP.

During construction, H&D will oversee the installation and review final microwave performance tests by the contractor, perform quality assurance tasks, and provide recommendations to resolve problems and field test failures. This work is highly specialized, and Metropolitan has insufficient technical staff in-house to perform this work. For this agreement, Metropolitan has not established a Small Business Enterprise participation level.

Project Milestone

February 2026 – Completion of construction

2/3/2025

Mai Hattar *Date*
Interim Chief Engineer
Engineering Services

2/3/2025

Deven Upadhyay *Date*
General Manager

Attachment 1 – Allocation of Funds

Attachment 2 – Abstract of Bids

Attachment 3 – Subcontractors for Low Bidder

Attachment 4 – Location Map

Ref# es12699201

Allocation of Funds for Desert Microwave Tower Sites Upgrade

	Current Board Action (Feb. 2025)
Labor	
Studies & Investigations	$ -
Final Design	-
Owner Costs (Program mgmt., envir. monitoring)	523,000
Submittals Review & Record Drwgs.	478,000
Construction Inspection & Support	451,000
Metropolitan Force Construction	1,049,000
Incidental Expenses	58,000
Professional/Technical Services	
Nokia of America Corporation	591,000
Hatfield & Dawson Consulting Engineers LLC	680,000
Environmental Consultant	47,000
Lee & Ro Inc.	253,000
Contract	
MasTec Network Solutions LLC	2,556,478.19
Logicalis Inc.	1,531,044
Remaining Budget	82,478
Total	**$ 8,300,000.00**

The total amount expended to date is approximately $8.4 million. The total estimated cost to complete the upgrades, including the amount appropriated to date and funds allocated for the work described in this action, is $16.7 million.

The Metropolitan Water District of Southern California

Abstract of Bids Received on January 14, 2025, at 2:00 P.M.

Specifications No. 2062
Desert Microwave Tower Sites Upgrade

The work includes the installation and testing of Metropolitan-furnished microwave radios, antennas, feedhorns, mounts, waveguides, and outdoor enclosures at 23 locations spread across 330 miles; furnishing and installing a power distribution system, a standby generator, 1,000-gallon propane tank, foundation, and fencing; and abatement of materials containing lead and asbestos.

Engineer's estimate: $3,160,000

Bidder and Location	Total	SBE $	SBE %	Met SBE[1]
MasTec Network Solutions LLC Coral Gables, FL	$2,556,478.19	$1,010,000	40%	Yes

[1] Small Business Enterprise (SBE) participation level established at 20 percent for this contract.

The Metropolitan Water District of Southern California

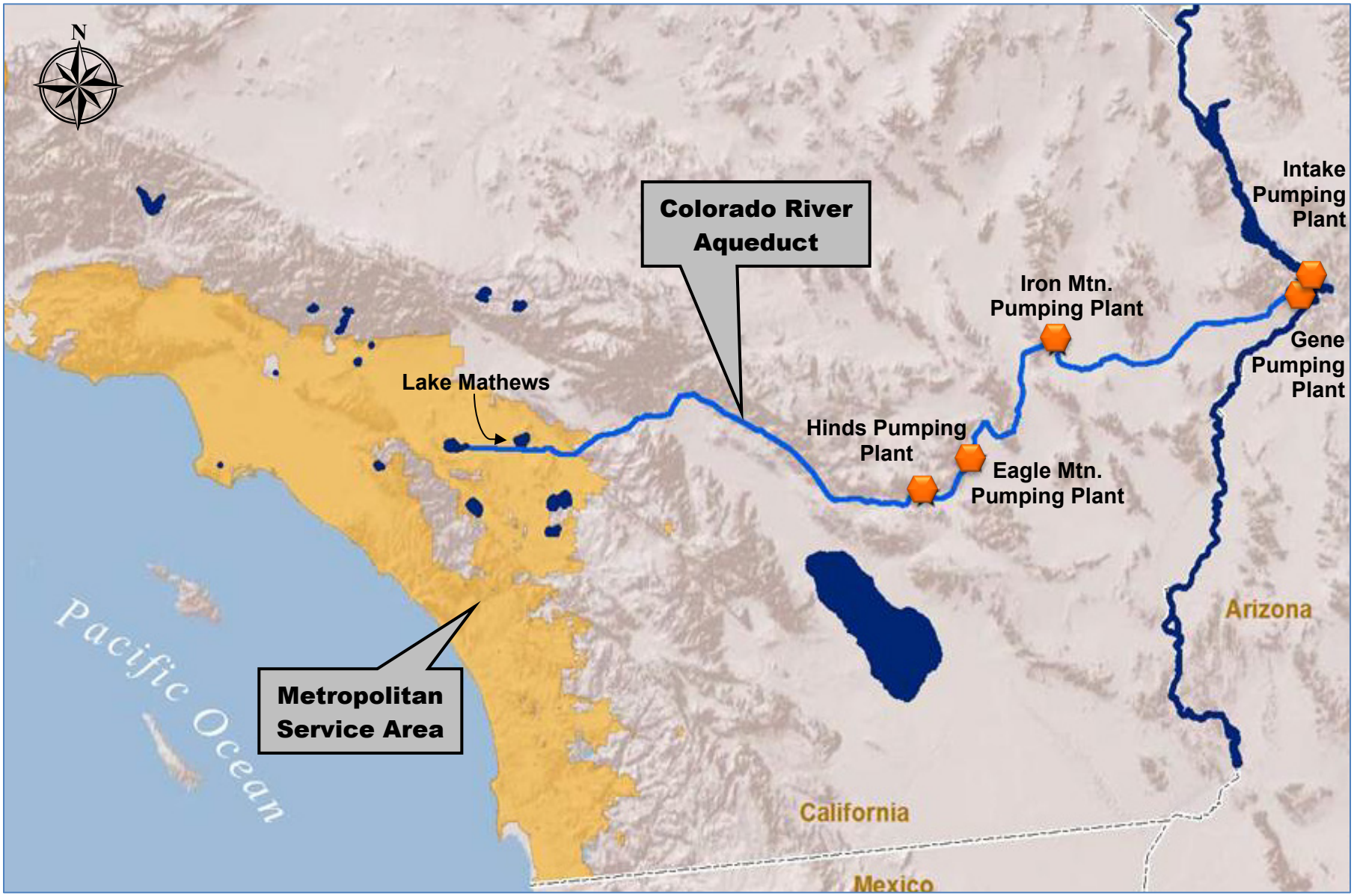
Subcontractors for Low Bidder

Specifications No. 2062
Desert Microwave Tower Sites Upgrade

Low bidder: MasTec Network Solutions LLC

Subcontractor	Service Category; Specialty
JJ&S Environmental Services Vista, CA	Asbestos Abatement
RBI Phelan, CA	Civil Work

Location Map



Engineering, Operations, & Technology Committee

Desert Microwave Tower Sites Upgrade

Item 7-1

February 10, 2025

Item 7-1
Desert Microwave Tower Sites Upgrade

Subject

Award a $2,556,478.19 construction contract to MasTec Network Solutions LLC for upgrades to the desert microwave communications system; award a $1,531,044 procurement contract to Logicalis Inc. for communications sites network equipment; and amend two agreements for technical support

Purpose

Replace Metropolitan's desert region microwave communication system to enhance the reliability of the communication system, which serves the CRA facilities and power transmission protection systems

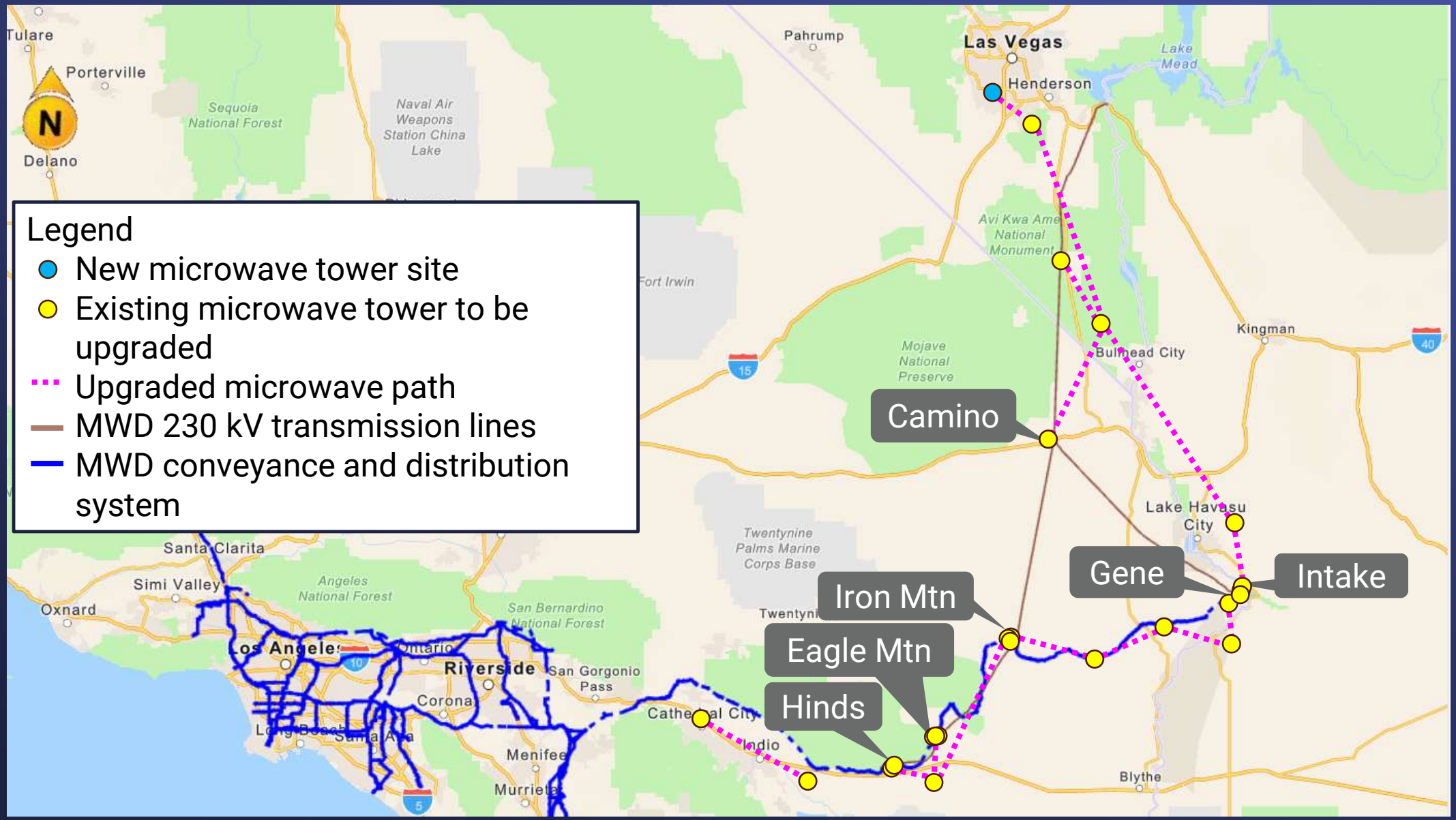
Recommendation and Fiscal Impact

Award the construction and procurement contracts, and amend the existing agreements

Fiscal Impact of $8.3 M

Budgeted

Location Map



Background

- Microwave radio WAN in service for more than 17 years
  - Backbone for desert communication
  - Provides tele-protection for 230kV system
  - Equipment at end of useful life
- Design & procurement authorized in 2021
- System must be online by April 2026 to meet FCC requirements

Microwave Radio Equipment

Antennas

Desert Microwave Tower Sites Upgrade

Alternatives Considered

- Considered: Remove & replace individual components as they fail
  - Would need to maintain equipment from several manufacturers
  - Replacement parts no longer available
  - Higher risk of communication interruptions
- Selected Alternative: Full replacement
  - Standardizes microwave equipment
  - Simplifies maintenance & operations
  - Reduces risk of communication interruptions

Desert Microwave Tower Sites Upgrade

Scope of Work - Contractor

- Replace current microwave system with a high-capacity carrier-grade system at 22 sites
  - Install antennas, waveguides, & microwave radio equipment
  - Upgrade electrical & power systems as needed

Desert Microwave Tower Sites Upgrade

Scope of Work - Metropolitan

- Install microwave system at one new site and one existing site
- Install Cisco routers & switches, & batteries at 23 sites, & network management system
- Project & construction management
- Contract administration
- Construction support
- Quality assurance & submittal reviews

Cisco Router

Cisco Switch

Bid Results – Microwave Tower Upgrades
Specifications No. 2062

Bids Received	January 14, 2025
No. of Bidders	1
Lowest Responsible Bidder	MasTec Network Solutions LLC
Low Bid	$2,556,478.19
Engineer's Estimate	$3,160,000
SBE Participation*	20%

*SBE (Small Business Enterprise) participation level set at 20%

Bid Results – Business Network Equipment

NASPO Value Point Master Agreement No. AR3227

Bids Received	November 6, 2024
No. of Bidders	2
Lowest Responsible Bidder	Logicalis Inc.
Low Bid	$1,531,044
Other Bid	$1,745,264
Scope	Procure business network equipment including, routers & switches, for all 23 communication sites

Desert Microwave Tower Sites Upgrade

Nokia of America Corporation – Agreement Amendment

- Scope of Work
  - Waveguides, spare parts, & other ancillary materials
  - Manufacturer's field services
- Amendment amount: $591,000
- New NTE amount: $5,888,000

Hatfield & Dawson Consulting Engineers LLC – Agreement Amendment

Desert Microwave Tower Sites Upgrade

- Scope of Work
  - Assist in installation oversight
  - Review microwave performance tests
  - Perform quality assurance
- Amendment amount: $680,000
- New NTE amount: $1,410,000

Allocation of Funds

Desert Microwave Tower Sites Upgrade

Metropolitan Labor		
Owner Costs (Proj. Mgmt., Contract Admin., Envir.)	$	523,000
Construction Inspection & Support		451,000
Force Construction		1,049,000
Submittals Review, Tech. Support, Record Dwgs.		478,000
Incidentals		58,000
Contracts		
MasTec Network Solutions LLC		2,556,478
Logicalis Inc.		1,531,044
Hatfield & Dawson Consulting Engineers LLC		680,000
Nokia of America Corporation		591,000
Lee & Ro Inc. and Environmental Consultant		300,000
Remaining Budget		82,478
Total	$	8,300,000

Project Schedule

Board Options

- Option #1
  a. Award a $2,556,478.19 construction contract to MasTec Network Solutions LLC for upgrades to the desert microwave communication tower sites;
  b. Award a $1,531,044 procurement contract to Logicalis Inc. for communications site network equipment;
  c. Authorize an increase of $591,000 to the agreement with Nokia of America Corporation, for a new not-to-exceed amount of $5,888,000 for network materials and manufacturer's field services; and
  d. Authorize an increase of $680,000 to the agreement with Hatfield & Dawson Consulting Engineers LLC for a new not-to-exceed amount of $1,410,000 to provide specialized technical support during construction and commissioning.

Board Options

- Option #2
  Do not proceed with this project at this time.

Staff Recommendation

- Option #1

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Action

- **Board of Directors**
  Engineering, Operations, and Technology Committee

2/11/2025 Board Meeting

7-2

Subject

Award a $1,931,217 contract to Fencecorp Inc. for perimeter fencing at the housing and playground areas and playground area shade improvements at four Colorado River Aqueduct Pumping Plant villages; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

Metropolitan maintains employee housing, kitchens, and short-term lodging facilities at the Colorado River Aqueduct (CRA) pumping plant villages. These facilities are showing signs of deterioration and require replacement. In response, Metropolitan has initiated an improvement program for the CRA pumping plant villages that will be completed in multiple stages. In November 2024, the Board approved an agreement amendment for design and architectural services for Stage 1 improvements of the District Housing and Property Improvements Program. As an interim measure to ensure clean and safe living conditions at the CRA villages while the multi-stage program is being implemented, a Desert Housing and Recreation Interim Action Plan (DHRIAP) was initiated and focuses on making various near-term improvements at the four villages. As part of the DHRIAP, 68 houses have been identified for the installation of perimeter fencing, and three playground areas have been identified for the installation of both perimeter fencing and shade structure improvements.

This action awards a $1,931,217 construction contract for the installation of perimeter fencing at 68 houses and three playground areas, as well as the addition of shade structures at three playground areas, within four CRA pumping plant villages. See **Attachment 1** for the Allocation of Funds, **Attachment 2** for the Abstract of Bids, **Attachment 3** for the Subcontractors for Low Bidder, and **Attachment 4** for the Location Map.

Proposed Action(s)/Recommendation(s) and Options

Staff Recommendation: Option #1

Option #1

Award a $1,931,217 contract to Fencecorp. Inc. for perimeter fencing for housing and playground areas and shade improvements for the playground area at four CRA pumping plant villages.

Fiscal Impact: Expenditure of $2,800,000 in capital funds. All costs will be incurred in the current biennium and have been previously authorized.
Business Analysis: This option will preserve Metropolitan assets and maintain an appropriate standard of living for staff stationed at Metropolitan's desert facilities.

Option #2

Do not proceed with the project at this time.
Fiscal Impact: None
Business Analysis: This option would forgo an opportunity to preserve Metropolitan assets at the desert facilities.

Alternatives Considered

Alternatives considered for completing the fencing and shade structure improvements included the work within the Desert Housing and Recreation Improvement Project. However, the work involves rehabilitation of existing facilities and can be completed expeditiously at this time. In addition, moving forward with this work now addresses the immediate needs of employees working at the desert facilities.

Applicable Policy

Metropolitan Water District Administrative Code Section 8121: General Authority of the General Manager to Enter Contracts

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

Related Board Action(s)/Future Action(s)

By Minute Item 52179, dated November 10, 2020, the Board authorized preparation of conceptual master plan and to conduct property assessments for District housing.

By Minute Item 52381, dated May 11, 2021, the Board authorized two new agreements for environmental documentation and geotechnical services in support of the District Housing and Property Improvements.

By Minute Item 52448, dated July 13, 2021, the Board authorized an increase to an agreement with Roesling Nakamura Terada Architects for preliminary design and architectural services in support of the District Housing and Property Improvements.

By Minute Item 52980, dated September 13, 2022, the Board authorized an increase to an agreement with Roesling Nakamura Terada Architects for final design and architectural services in support of the District Housing and Property Improvements.

By Minute Item 53598, dated April 8, 2024, the Board appropriated a total of $636.48 million for projects identified in the Capital Investment Plan for Fiscal Years 2024/2025 and 2025/2026.

Board Informational Item 9-2, dated July 9, 2024, transmitted the final report from the community planner on the District Housing and Property Improvement Program.

By Minute Item 53788, dated September 10, 2024, the Board awarded a $1,285,000 contract to Resource Environmental Incorporated for abatement and roof replacement on houses at four Colorado River Aqueduct Pumping Plant villages.

Board Informational Item 6a, dated October 7, 2024, recommended implementing the new CRA housing strategy in four stages.

By Minute Item 53843, dated November 19, 2024, the Board authorized an increase to an agreement with Roesling Nakamura Terada Architects to provide design and architectural services for Stage 1 improvements of the District Housing and Property Improvements Program.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is exempt from CEQA because it involves the operation, repair, maintenance, or minor alteration of existing public structures or facilities involving negligible or no expansion of existing or former use and no possibility of significantly impacting the physical environment. In addition, the proposed action is exempt from CEQA because it consists of replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced. (State CEQA Guidelines Section 15301 and 15303.)

CEQA determination for Option #2:

None required

Details and Background

Background

The CRA is a 242-mile-long conveyance system that transports water from the Colorado River to Lake Mathews in Riverside County. The CRA includes five pumping plants that are in remote, isolated areas of the California desert. The aqueduct system was constructed in the late 1930s and was placed into service in 1941. Since the CRA's inception, Metropolitan has provided lodging or housing to employees involved in the construction, operation, and maintenance of the aqueduct system. Due to the remoteness of the pumping plants, providing housing ensures that staff can respond to emergency events in a timely manner.

Houses, kitchens, and short-term lodging were initially constructed at the CRA pumping plants in the early 1940s. The expansion of the CRA's capacity in the 1950s led to the construction of additional houses. Metropolitan has performed routine maintenance on each of these facilities since they were built, but, following decades of continuous use and exposure to the harsh desert environment, the houses have deteriorated and need replacement. Replacement of these houses, coupled with the development of multiple enhancement features across Metropolitan's CRA pumping plants villages, will provide for employee retention, create an attraction for future employees, and help create a vibrant, healthy, and sustainable community.

In November 2024, the Board approved an agreement amendment for design and architectural services to proceed with Stage 1 of a multi-stage implementation plan to improve employee housing. Stage 1 of the program will: (1) construct eight new 750-square foot townhomes comprised of 1-bedroom and 1-bath at each of the three villages for a total of 24 townhomes; (2) upgrade the existing kitchens and lodges at Eagle Mountain and Iron Mountain; (3) construct a second guest lodge at Gene Pumping Plant; (4) construct three 350-square foot rooms at Hinds village for staff working standby shifts; and (5) provide amenity packages at Eagle Mountain and Iron Mountain villages.

In the interim, to ensure the current housing is clean and safe for the residents while the longer-term efforts are underway, a Housing and Recreation Committee was established in September 2022 consisting of representatives from the Office of the General Manager, Facilities Management, Diversity, Equity and Inclusion, and Water System Operations. After meeting with residents and gathering feedback on immediate housing and recreational needs, the committee initiated the DHRIAP, which consisted of 28 projects with an estimated cost of $10,000,000. This plan focuses on implementing short-term enhancements to improve living conditions at the desert facilities. Improvements include (1) shade structures for parked vehicles and playgrounds; (2) fencing at homes to improve privacy; (3) installation of air conditioning units for garages; (4) stand-alone freezers for houses to store food for the residents and their families; (5) housing improvements such as roof replacement, kitchen, and bathroom remodeling; and (6) housing demolition. The DHRIAP has expanded from 28 to 37 projects, with 65 percent of the work being completed at the present time. The remaining projects are expected to be finished by the third quarter of 2025. The total cost of the DHRIAP improvements is now estimated at $15,500,000.

As part of the ongoing short-term housing improvements, staff have identified 68 houses across the four CRA villages that require either replacement of deteriorated perimeter fencing or installation of new fencing. These houses are located at Gene Pumping Plant (29), Iron Mtn. Pumping Plant (19), Eagle Mtn. Pumping Plant (12), and Hinds Pumping Plant (11). Additionally, three playground areas, one each at Iron Mountain, Eagle Mountain, and Hinds, are not equipped with shade structures to provide adequate projection due to the extreme summer weather conditions. These three playground areas also lack perimeter fencing. Staff recommends moving forward with the perimeter fencing and sunshade structure improvements.

CRA Employee Housing Fencing and Shade Structure Improvements – Construction

The scope of the contract includes the installation of approximately 12,700 feet of six- and four-foot chain link fencing with privacy slats and gates at 68 houses at four pumping plants, as well as shade structure improvements and fencing for three playground areas. The total shade structure area will be approximately 11,000 square feet.

A total of $2,800,000 is required for this work. In addition to the amount of the contract described below, other allocated funds include: $290,000 for construction management and inspection; $190,000 for project management, site support, and contract administration; $47,000 for submittal reviews and record drawings; $40,000 for Metropolitan force coordination of work at each house; and $301,783 for the remaining budget. **Attachment 1** provides the allocation of the required funds.

Award of Construction Contract (Fencecorp Inc.)

Specification No. 2081 for Metropolitan Housing Fencing and Playground Shade Improvements was advertised on October 8, 2024. As shown in **Attachment 2**, two bids were received and opened on December 4, 2024. The low bid from Fencecorp Inc. in the amount of $1,931,217 complies with the requirements of the specifications. The other bid was $2,166,500, while the engineer's estimate for this project was approximately $2,200,000. For this contract, Metropolitan established a Small Business Enterprise participation level of at least 25 percent of the bid amount. Fencecorp Inc. has agreed to meet this level of participation. The subcontractors for this contract are listed in **Attachment 3**.

This action awards a $1,931,217 contract to Fencecorp Inc. for the installation of perimeter fencing at 68 houses and three playground areas; and sunshade structures for three playground areas at four CRA pumping plant villages. As described above, Metropolitan staff will perform construction management and inspection. Engineering Services' performance metric target range for construction management and inspection of projects with construction less than $3 million is 9 to 15 percent. For this project, the performance metric goal for inspection is 14.7 percent of the total construction cost of $1,971,217, which includes the contract cost ($1,931,217) and Metropolitan force support ($40,000).

Project Milestone

September 2025 – Completion of construction

2/3/2025

Keith Nobriga *Date*
Group Manager
Integrated Operations, Planning, and Support Service

2/3/2025

Deven Upadhyay *Date*
Interim General Manager

Attachment 1 – Allocation of Funds

Attachment 2 – Abstract of Bids

Attachment 3 – Subcontractors for Low Bidder

Attachment 4 – Location Map

Ref# wso12698667

Allocation of Funds for CRA Fencing and Shade Improvements

	Current Board Action (Feb. 2025)
Labor	
Studies & Investigations	$ -
Final Design	-
Owner Costs (Program mgmt., envir. monitoring)	190,000
Submittals Review & Record Drwgs.	47,000
Construction Inspection & Support	290,000
Metropolitan Force Construction	40,000
Materials & Supplies	-
Incidental Expenses	-
Professional/Technical Services	-
Right-of-Way	-
Equipment Use	-
Contracts	-
Fencecorp Inc.	1,931,217
Remaining Budget	301,783
Total	**$ 2,800,000**

The total amount expended to date for the Desert Housing and Recreation Interim Action Plan (DHRIAP) is approximately $8.5 million. The total estimated cost to complete the DHRIAP, including the amount appropriated to date, funds allocated for the work described in this action, and future construction costs, is $15.5 million.

The Metropolitan Water District of Southern California

Abstract of Bids Received on December 4, 2024, at 2:00 P.M.

Specifications No. 2081
Colorado River Aqueduct Employee Housing Fencing and Shade Structure Improvements

The work includes installation of perimeter fencing for 68 houses at four pumping plants, and installation of shade structures and perimeter fencing for three playground areas at three pumping plants.

Engineer's estimate: $2,200,000

Bidder and Location	Total	SBE $	SBE %	Met SBE[1]
Fencecorp Inc. Fontana, CA	**$1,931,217**	**$476,844**	**25%**	**Yes**
Wakeco Incorporated Temecula, CA	$2,166,500	-	-	-

[1] Small Business Enterprise (SBE) participation level established at 25 percent for this contract.

The Metropolitan Water District of Southern California

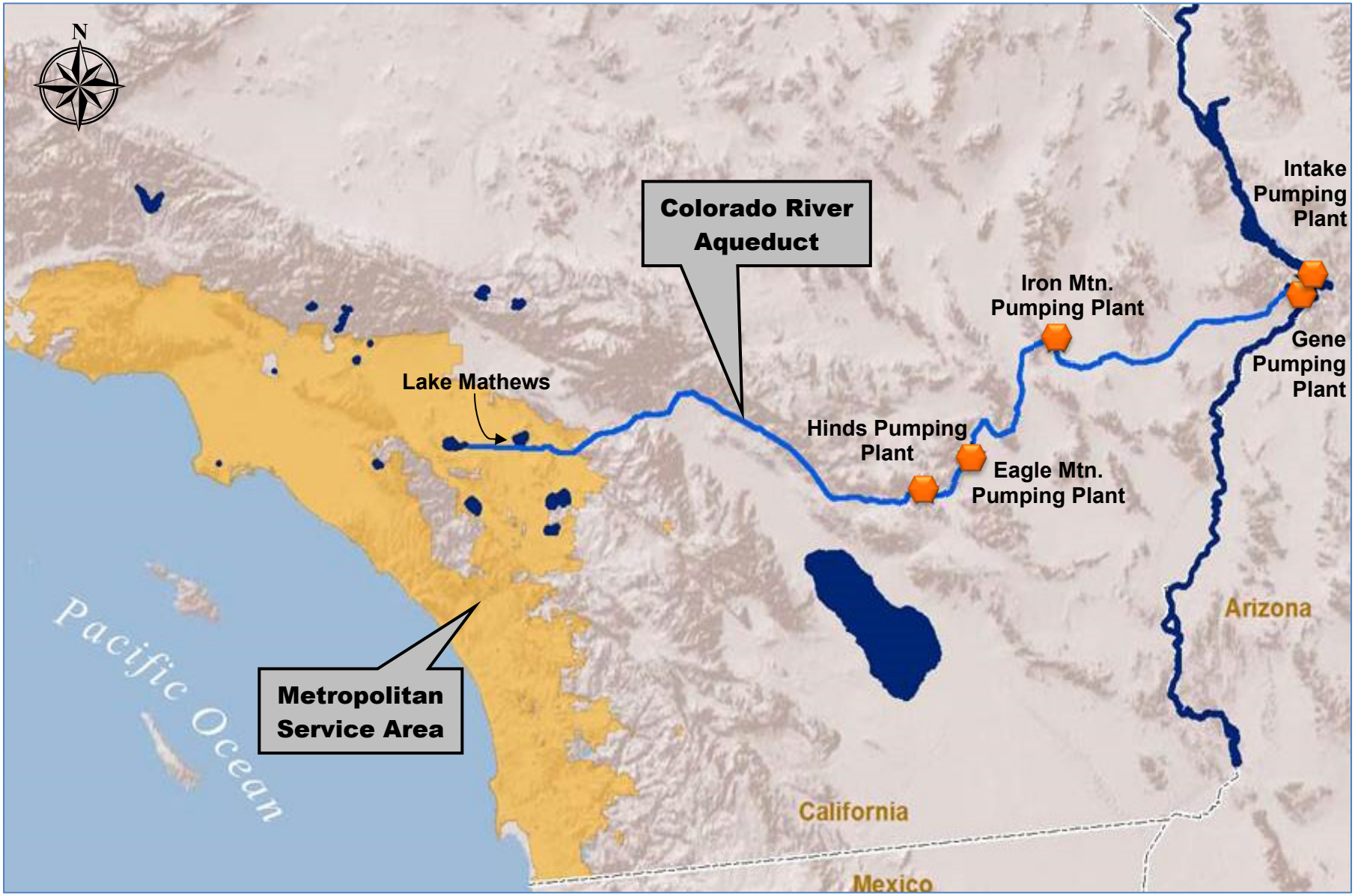
Subcontractors for Low Bidder

Specifications No. 2081
CRA Employee Housing Fencing and Playground Shade Improvements

Low bidder: Fencecorp Inc.

Subcontractor	Service Category; Specialty
Mobile Modular Portable Storage (McGarth Rent Corp)	Field Office
Ultra Engineering Contractors Inc.	Misc. Construction
Underground Solutions, Inc.	Locating Utilities
Zoom Recreation	Shade Sail

Location Map



Engineering, Operations & Technology Committee

Colorado River Aqueduct Housing Fencing and Shade Improvements

Item 7-2

February 10, 2025

Item 7-2

Colorado River Aqueduct Housing Fencing and Shade Improvements

Subject

Award a $1,931,217 contract to Fencecorp Inc. for perimeter fencing at the housing and playground areas and playground area shade improvements at four Colorado River Aqueduct Pumping Plant villages

Purpose

This action supports the Desert Housing and Recreation Interim Action Plan and includes the installation of perimeter fencing at 68 houses and three playground areas, including the addition of shade structures at three playground areas

Recommendation and Fiscal Impact

Award a construction contract to perform Colorado River Aqueduct housing improvements

Fiscal Impact of $2,800,000

Budgeted

Location Map

Committed to Supporting Desert Staff

Background

Colorado River Aqueduct Housing & Facility Improvements

Iron Mtn. Lodge & Kitchen

- Housing provided due to remoteness & timely response
- Houses aging after decades of use in the harsh desert environment
- Two efforts to improve housing are underway
  - District Housing and Property Improvement Program
  - Desert Housing & Recreation Interim Action Plan

Stage 1: Community Planning and Design

Long-term
District Housing and Property Improvement Program

- Identify long-term housing options, kitchen, & lodging facilities
- July 2024 - Community planning study completed
- November 2024 Board Action - Agreement Amendment for Design and Architectural services for Stage 1 improvements
  - Townhomes
  - Kitchens and lodges
  - Studio units
  - Village amenities

Desert Housing & Recreation Interim Action Plan

Urgent
Near-term improvements began September 2022

Resident Feedback Session

Housing Improvements

- Refurbishments
- Roof replacements
- Demolition of surplus houses
- Carports
- Eagle Mt. chiller
- **Fencing*

**Today's board action*

Recreation Improvements

- Recreation facilities at each village
- Archery ranges
- Community gardens
- Swimming pool improvements
- **Playground Shade Structures*

Desert Housing & Recreation Interim Action Plan - Work Completed

Resurfaced Sports Courts

Archery Range Shade Structures

Gene Community Center

Desert Housing & Recreation Interim Action Plan - Work Completed

Wellness Center

Carports

Pool Improvements

Desert Housing & Recreation Interim Action Plan - Work Completed

Exterior Paint and Windows

Interior Refurbishment

Bathroom Remodel

Kitchen Remodel

Desert Housing & Recreation Interim Action Plan

Copper Basin House Yard

Copper Basin House Patio

Copper Basin House

- Complete interior & exterior refurbishment
- Utility improvements
- Synthetic turf
- Patio shade (In Progress)

Desert Housing & Recreation Interim Action Plan

Interim Action Plan Summary

- Original scope: 28 projects ($10 M)
- Revised scope: 37 projects ($15.5 M)
- Total spend to date: 25 of 37 projects are complete ($8.5 M)

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

DESERT HOUSING AND RECREATION
INTERIM ACTION PLAN (DHRIAP)
SEPTEMBER 2022

Housing Summary

Pumping Plant	Current Houses	Scheduled Demo	Remaining Houses	New Manufactured Houses*	Refurbishment Complete*	Refurbishment (In Progress)	Refurbishment (Future)
Intake	5	5	0	0	0	0	0
Gene/Copper Basin	43	10	33	2	20	1	10
Iron Mtn.	30	4	26	4	15	3	4
Eagle Mtn.	17	1	16	2	6	1	7
Hinds	13	0	13	3	6	2	2
TOTALS	**108**	**20**	**88**	**11**	**47**	**7**	**23**

* 58 of 88 houses complete (66% complete)

Desert Housing & Recreation Interim Action Plan

Current Action: Project Scope of Work

Playground Shade Structure and Fencing
(Hinds Village, Eagle Mtn., Iron Mtn.)

Perimeter Fencing w/Privacy Slats
(68 houses)

Scope of Work

- Contractor
  - Installation of fencing and shade structures
- Metropolitan
  - Resident engagement
  - Submittal review
  - Construction management

Sample Structure

Perimeter Fencing with Privacy Slats

Bid Results

Specifications No. 2081

Bids Received	4-Dec-2024
No. of Bidders	2
Lowest Responsible Bidder	Fencecorp Incorporated
Low Bid	$1,931,217
Other Bid	$2,166,000
Engineer’s Estimate	$2.2 M
SBE Participation	25%

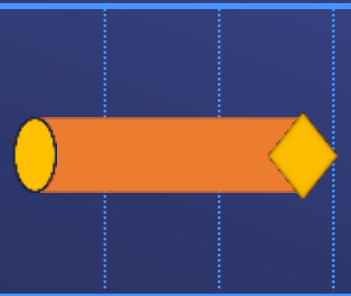
*SBE (Small Business Enterprise) participation level set at 25%

Allocation of Funds

Colorado River Aqueduct Housing Fencing and Shade Improvements

Metropolitan Labor	
Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support)	$ 190,000
Construction Inspection & Support	290,000
Submittal Review & Tech Support	47,000
Metropolitan Force Construction Support	40,000
Contracts	
Fencecorp Inc.	1,931,217
Remaining Budget	301,783
Total	$ 2,800,000

Project Schedule

Project	2025
Colorado River Aqueduct Housing Fencing and Sunshade Structures	

Construction

Board Action

Completion

Board Options

- Option #1
  Award a $1,931,217 contract to Fencecorp. Inc. for perimeter fencing for housing and playground areas and shade improvements for the playground area at four CRA pumping plant villages.

- Option #2
  Do not proceed with the project at this time.

Staff Recommendation

- Option #1

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Action

- **Board of Directors**
  Engineering, Operations, and Technology Committee

2/11/2025 Board Meeting

REVISED 7-3

Subject

Authorize an agreement with Computer Aid, Inc. in an amount not to exceed $~~5.75~~6 million for co-managed support services for the operation and maintenance of the Metropolitan Cybersecurity Operations Center; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

This action awards an agreement for operation and maintenance of Metropolitan's enterprise-wide Cybersecurity Operations Center (CSOC) for a three-year period beginning March 1, 2025, with options to renew for two one-year periods not to exceed five total years on the contract.

The purpose of this contract is to provide continuous cybersecurity threat monitoring, detection, and response capability. Metropolitan safeguards its information and operational technology infrastructure through a combination of cybersecurity services, monitoring, anti-malware technologies, next-generation firewalls, enhanced zero trust access control, and employee awareness education. The electronic security system integrates data from access control, intrusion detection, and anti-malware tools. The CSOC functions 24 hours per day, seven days per week, 365 days per year to detect, identify, contain, and remediate cybersecurity threats to Metropolitans computers, data, and industrial control systems used to store, treat, and deliver water.

Proposed Action(s)/Recommendation(s) and Options

Staff Recommendation: Option #1

Option #1

Authorize an agreement with Computer Aid, Inc. (CAI) in an amount not to exceed $~~5.75~~6 million for co-managed support services for the operation and maintenance of the Metropolitan Cybersecurity Operations Center.

Fiscal Impact: Expenditures of $~~5.75~~6 million in Operations and Maintenance (O&M) funds for FY 2024/2025 and 2025/2026

Business Analysis: This option will implement cybersecurity recommendations made by internal staff and the Department of Homeland Security and address cyber threats affecting business computer systems and Supervisory Control and Data Acquisition (SCADA) systems. This all-inclusive approach will comprehensively strengthen Metropolitan's cybersecurity.

Option #2

Do not proceed with the service at this time.

Fiscal Impact: No additional expenditure of O&M funds

Business Analysis: This option would forgo an opportunity to reduce cyber threats and increase information security risks.

Alternatives Considered

Not applicable

Applicable Policy

Metropolitan Water District Administrative Code Section 5108: Appropriations

Metropolitan Water District Administrative Code Section 8121: General Authority of the General Manager to Enter Contracts

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

Related Board Action(s)/Future Action(s)

By Minute Item 53354, dated August 15, 2023, the Board authorized an agreement with Computer Aid in an amount not to exceed $1,750,000 for staff augmentation support services.

By Minute Item 53749, dated August 20, 2024, the Board authorized an increase of $875,000 to the existing agreement with Computer Aid to a new not-to-exceed amount of $2,625,000 for staff augmentation support services.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is exempt from CEQA because there is no potential for the activity in question to have a significant effect on the environment. (State CEQA Guidelines Section 15061(b)(3)).

CEQA determination for Option #2:

None required

Details and Background

Background

Each year, Metropolitan faces hundreds of thousands of attempted compromises to Metropolitan's networks. While Metropolitan's cybersecurity tools block most of these attempts, some attacks have and will continue to succeed to some degree which could result in lost staff hours, costs associated with remediation and temporarily reduced operational capacity. It is conceivable that such threats, if not detected in a timely manner, could possibly have a catastrophic impact on Metropolitan's information and water management systems.

In 2018, Metropolitan started a project to design, construct and implement the operation of a CSOC. The construction of the CSOC facility was finished in March of 2023. Work was completed on the installation and configuration of the underlying technologies needed for the CSOC to perform its functions in November 2022. Prior to the CSOC, there was no ability for Metropolitan to continuously monitor for and respond to cybersecurity threats. However, Metropolitan is not staffed to operate the CSOC, nor is it feasible to hire and retain the skill sets needed under the existing job classifications and pay scales. For the CSOC to operate at the level it was intended, a contracted managed service is required to conduct the continuous operation.

The Cybersecurity Operation Center centrally monitors, detects, analyzes, mitigates, and responds to cyber threats on the Metropolitan Enterprise Information Technology and SCADA systems. For a year and a half, Metropolitan cybersecurity staff, with assistance under a temporary staffing contract, have operated to gather and analyze information from data centers, the disaster recovery facility, workstation networks, physical security, SCADA systems, water operations systems, and field equipment. Data is also collected and analyzed from private and government agencies such as Computer Emergency Readiness Teams and Information Sharing and Analysis Centers. Correlating this data to find suspicious activity can be extremely challenging and often only occurs long after an incident happens.

Metropolitan issued a request for proposals (RFP) in February of 2024 for CSOC co-managed services to continue to meet current staffing requirements and the requirements created by increasingly more sophisticated cyber threats. This is the main purpose of the CSOC co-managed support services. Once in place, this management model will improve real-time situational awareness, resulting in Metropolitan's increased capabilities to detect, identify and respond to cyber threats. A secondary function of the CSOC will be to provide critical intelligence information to Metropolitan's member agencies to enhance the overall cybersecurity posture of Metropolitan's system.

A review panel evaluated each proposal. Based on the panel evaluation, staff initiated contract negotiations with the top respondents as authorized in the RFP. Staff was unable to reach agreeable contracting terms with the top two respondents. Metropolitan was able to reach agreeable contracting terms with CAI to perform the required services within Metropolitan's operating budget.

Approval of this contract will create a mechanism for Metropolitan to better meet the demands of a dynamically changing cyber threat landscape while ensuring there is more than adequate staffing to monitor for cyber threats on a continuous basis, reducing the risk to the security and stability of the water supply managed by Metropolitan. The CSOC project was executed under the Capital Investment Plan (CIP). The CIP covered the procurement and implementation of the required technologies and the actual construction of the CSOC facility. CIP funding is not available for the co-managed services agreement. Funds for this action are available within Metropolitan's IT Group, Operations and Maintenance budget for fiscal biennial 2024-2026.

Once in place, CAI shall perform work at the primary Metropolitan CSOC facility located in La Verne, CA. As part of the agreement, eight personnel will operate from the Metropolitan CSOC facility twenty-four hours per day, seven days per week, and 365 days per year. Metropolitan will coordinate clearance for and grant physical access by qualified and cleared personnel into the CSOC premises and facilities and other Metropolitan sites.

This action authorizes $~~5.75~~6 million for the co-managed support services for the operation and maintenance of the Metropolitan Cybersecurity Operations Center. The total project budget includes funds for awarding a new contract with CAI for $~~5.75~~6 million for professional and technical services.

Project Milestone(s)

March 2025:	Onboard of co-managed service vendor and transition to co-managed services and 24x7x365 monitoring coverage
June 2025:	Co-managed services vendor fully integrated with Metropolitan CSOC and conducting cybersecurity operational support services.

2/4/2025

Charles Eckstrom *Date*
Group Manager, Information Technology

2/4/2025

Deven Upadhyay *Date*
Interim General Manager

Ref# it12698118

Engineering, Operations, & Technology Committee

Agreement with Computer Aid Incorporated for Cybersecurity Operations Center (CSOC) Co-Managed Services

Item 7-3

February 10, 2025

Item 7-3
Agreement with Computer Aid Incorporated

Subject
Establish agreement with Computer Aid Incorporated (CAI) for CSOC Co-Managed Services

Purpose
Provides information relevant to the Board for approval of an agreement with CAI for CSOC Co-Managed Services

Next Steps
Establishment of an agreement with CAI contract provide CSOC operational support and management services

Current Action

Authorize an agreement with Computer Aid, Inc. in an amount not to exceed $6 million for co-managed support services for the operation and maintenance of the Metropolitan Cybersecurity Operations Center; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Background

- Metropolitan issued a request for proposals (RFP) in February of 2024 for CSOC co-managed services to continue to meet current staffing requirements and the requirements created by increasingly more sophisticated cyber threats. This is the main purpose of the CSOC co-managed support services.
- A review panel evaluated each proposal. Based on the panel evaluation, staff initiated contract negotiations with the top respondents as authorized in the RFP. Staff was unable to reach agreeable contracting terms with the top two respondents. Metropolitan was able to reach agreeable contracting terms with CAI to perform the required services within Metropolitan's operating budget.

Reasons for this action

- Currently, there is an agreement in place with CAI for temporary staff-augmentation services for CSOC staffing. This agreement provides for the following:
  - Cyber Analyst to monitor for threats
  - Active monitoring only occurs during Metropolitan's work week, during off periods and holidays, monitoring is conducted passively
- This action will provide under a new agreement
  - Cyber analyst will actively monitor for threats 24x7x365
  - Incident management and threat intelligence services are provided

Agreement Scope

- CAI will manage and maintain the CSOC services including but are not limited to:
  - Monitoring and Analysis Support
  - Cyber Event Assessment and Incident Response
  - Cyber Intelligence Support
  - CSOC Service Delivery Management
  - Provide Analysis and Recommendations related to CSOC Performance and Investment Metrics
  - Support for Continuity of Operation

- CAI will provide on-site cyber analysts to monitor Metropolitan's IT and OT Networks for threats 24x7x365

Project Cost

Not to Exceed Value	$6,000,000
Total Contract Value (3 year term)	$5,855,987
Annual Cost:	
Year 1	$1,894,589
Year 2	$1,951,427
Year 3	$2,009,970
Monthly Cost	
Year 1	$157,882
Year 2	$162,619
Year 3	$167,498

Project Schedule

Project	2025			
	Q1	Q2	Q3	Q4
CSOC Staff Augmentation Services Contract Extension while Transitioning to Co-Managed Services				

- Establish Agreement w/CAI
- Onboarding CSOC Co-Managed Services
- Transition from Staff Aug to Co-Managed Services
- Board Action
- Completion

Board Options

- Option # 1
  Authorize an agreement with Computer Aid, Inc. (CAI) in an amount not to exceed $6 million for co-managed support services for the operation and maintenance of the Metropolitan Cybersecurity Operations Center

- Option # 2
  Do not proceed with this project at this time. This option would eliminate staffing for the CSOC. This would place Metropolitan at much greater risk for cyber attacks. The systems would continue to function, but after-hours cyber attack or malicious activity would go unmanaged until the next business day.

Staff Recommendation

- Option # 1

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Action

- **Board of Directors**
  One Water and Stewardship Committee

2/11/2025 Board Meeting

7-4

Subject

Authorize the General Manager to enter into an agreement with Palo Verde Irrigation District to jointly fund community investment in Palo Verde Irrigation District's service area; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

Under the existing Forbearance and Fallowing Program (PVID Program), Metropolitan pays Palo Verde Irrigation District (PVID) landowners to fallow their fields, and in turn, Metropolitan has access to the conserved water.

In 2022, Metropolitan applied to the United States Bureau of Reclamation (USBR)'s Lower Colorado Conservation and Efficiency Program (LC Efficiency Program) for funding to provide approximately 351,000 acre-feet (AF) of system conservation water. Metropolitan will create the system conservation water through the PVID Program between Metropolitan and PVID (Parties).

A portion of the funding that Metropolitan receives from USBR is designated for community improvements in PVID's service area. However, a separate agreement between PVID and Metropolitan is required before any funds can be released for community investment purposes. This agreement provides the terms and conditions for how the community funding is distributed and managed. Until this agreement is executed, Metropolitan will retain the community funds.

The Parties coordinated drafting the agreement, which describes the role of the newly formed Community Enhancement Collaborative (CEC). The CEC will be equally comprised of members from both Parties to manage all aspects of the community funding with recommendations from the community. Under the agreement, community funds will be held equally by the Parties and both Parties will share in payment obligations.

This letter seeks authorization for the new agreement between the Parties documenting the roles, responsibilities, and operations of the CEC and other aspects related to the community funding.

Proposed Action /Recommendation and Options

Staff Recommendation: Option #1

Option #1

Authorize the General Manager to enter into an agreement with Palo Verde Irrigation District to jointly fund community investment in Palo Verde Irrigation District's service area.

Fiscal Impact: None. Funds provided to the community are provided from USBR and earmarked for community use.
Business Analysis: The agreement will allow Metropolitan to distribute USBR's LC Conservation Program funds towards community development.

Option #2

Do not authorize the General Manager to enter into an agreement with Palo Verde Irrigation District to jointly fund community investment in Palo Verde Irrigation District's service area.

Fiscal Impact: None

Business Analysis: Metropolitan and PVID will need to develop alternative methods for providing USBR's LC Conservation Program funds towards community development, as obligated under Metropolitan's System Conservation Implementation Sub-Agreement with PVID.

Alternatives Considered

Due to the benefit of Metropolitan's access to relatively high interest rates, Metropolitan initially proposed retaining all the community funds until projects were selected for funding. However, PVID also wished to retain funds, so a compromise was reached to split the funds between the two Parties.

Applicable Policy

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute Item 53051 in December 2022, Metropolitan's Board adopted legislative priorities and principles to support the funding of conservation projects to enhance the resiliency of the Colorado River System to reduce the risk of Lake Mead and Lake Powell falling below critical elevations.

Related Board Action(s)/Future Action(s)

By Minute Item 53469 in December 2023, Metropolitan's Board authorized the General Manager to enter into agreements for Reclamation to fund the generation of up to 408,000 AF of conserved Colorado River system water through 2026 and to enter into agreements with other Colorado River contractors to forbear rights to water generated in California under Reclamation's LC Conservation Program.

By Minute Item 53752 in August 2024, Metropolitan's Board authorized the General Manager to enter into: (1) a forbearance agreement with Coachella Valley Water District, Imperial Irrigation District, Palo Verde Irrigation District, and the City of Needles to allow water conserved under the U.S. Bureau of Reclamation's conservation program to be added to Lake Mead; and (2) agreements with Imperial Irrigation District and San Diego County Water Authority under Reclamation's conservation program to add water conserved by Imperial Irrigation District to Lake Mead that would otherwise accrue to San Diego County Water Authority.

By Minute Item 53911 in January 2024, Metropolitan's Board authorized the General Manager to enter into an agreement for Reclamation to fund the generation of up to 36,066 AF of conserved Colorado River system water between August 1, 2026, and December 31, 2026.

Summary of Outreach Completed

Metropolitan staff has conducted community outreach to identify potential projects throughout the Palo Verde Valley and has presented findings at the Property Utilization Committee, which is comprised of PVID Trustees and Metropolitan Directors. Additionally, the CEC is actively forming and soliciting participation in the Community Advisory Committee (CAC), which will evaluate projects and provide recommendations to the CEC by sending letters of interest to local service-based organizations, small businesses, and educational institutions. Metropolitan staff has provided public comment at the Blythe City Council meetings, partnered with the Riverside County Office of Economic and Workforce Development, and given presentations at the Blythe Chamber of Commerce's monthly Economic Alliance meetings to spread the word on the upcoming community funding opportunities and invite participation in the CAC. To date, two letters of acceptance to the CAC were submitted by individuals from Palo Verde Community College and the Palo Verde Unified School District.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is not defined as a project under CEQA because it involves organizational, maintenance, or administrative activities; personnel-related actions; and/or general policy and procedure making that will not result in direct or indirect physical changes in the environment. (Public Resources Code Section 21065; State CEQA Guidelines Section 15378(b)(2) and (5)).

CEQA determination for Option #2:

None required

Details and Background

Background

The 2021 Bipartisan Infrastructure Law and the 2022 Inflation Reduction Act funded water management and conservation efforts to relieve drought conditions in the western United States, with a focus on the Colorado River. The Department of the Interior, through USBR, created the LC Conservation Program to increase system conservation and efficiency opportunities to address drought impacts in the Lower Colorado River Basin. Similar conservation programs are being developed in the Upper Colorado River Basin. The LC Conservation Program provides funding opportunities for voluntary participation to increase system conservation.

PVID Program Participation in the LC Conservation Program

On December 20, 2023, Metropolitan entered into a System Conservation Implementation Agreement (SCIA) with USBR to fund Metropolitan's PVID Program. Under this agreement, USBR is fully reimbursing Metropolitan for creating Colorado River system water from water conserved from the PVID Program. The system water is being created by participating farmers fallowing acres at the fallowing level of 100 percent of their maximum fallowing commitment, which started August 1, 2023, and includes fallowing of Metropolitan-owned lands based on the terms included in the lease agreements. The conserved water remains in Lake Mead as system water. Participation is continuing at 100 percent fallowing through July 31, 2026.

On January 14, 2024, Metropolitan received board authorization to extend the existing SCIA by five months through December 31, 2026. Metropolitan will make a fallowing call for the 2026-27 PVID Program year based on its own needs. Under the extension, PVID landowners can voluntarily fallow additional land above Metropolitan's fallowing call during the five-month extension. Metropolitan can also voluntarily fallow its own land in PVID. Landowners who do not voluntarily fallow are required to fallow at the level of Metropolitan's fallowing call for the 2026-27 Program year. All water conserved from voluntarily fallowing will be system conservation water. Metropolitan can also provide water conserved from its fallowing call during the five-month extension as system conservation water. All system conservation water under this extension will receive USBR's payment of $400 per AF, with $30 per AF going towards community funding for any water conserved through voluntary fallowing.

Community Funding Implementation

On May 31, 2024, the Parties entered into an additional separate written agreement (SCIA Sub-Agreement) for USBR to release funding to Metropolitan, as required by the SCIA. The SCIA Sub-Agreement outlines the distribution of funding between community investment, landowner payments, and Metropolitan payments. The purpose of the community investment component is to address any community needs that may develop as a result of implementing the SCIA. Each year, $2,632,972 will be allocated towards community investment for a total of $7,898,916 over the three years of the SCIA, plus any additional community funding that results from the extension. The SCIA Sub-Agreement requires the Parties to enter into a separate agreement with terms and conditions that stipulate which entity will retain the community funding, how funding will be retained, and how it will be distributed, including any accrued interest. Until this agreement is signed, Metropolitan retains all funds received from USBR. To date, USBR has provided two years of SCIA funding, including $5,265,944 for community investment.

In 2024, the Parties formed the CEC, which is composed of three Metropolitan directors and three PVID trustees. The CEC and supporting staff from the Parties drafted the agreement required by the SCIA Sub-Agreement (CEC Agreement) that outlines the responsibilities of the CEC in distributing funding to community investments through a funding proposal process. PVID's board granted approval for the CEC Agreement on January 21, 2025.

Key terms of the CEC Agreement include:

- The CEC will be composed of three individuals from Metropolitan and three individuals from PVID.
- The CEC will solicit, evaluate, and select funding proposals from the community.
- A CAC will be formed to evaluate potential projects and make recommendations to the CEC.
- Projects selected for funding must be within PVID's service area.
- The Parties will each retain 50 percent of the community funds and will issue equal payments as projects are awarded.
- The Parties will be equally responsible for covering any administrative costs.
- Community funds are to be kept in interest-bearing accounts.
- Any money retained after all projects have been funded will be split equally between the Parties to spend on community enhancement projects as determined by each Party at its own discretion.

Program Milestones

If authorized by Metropolitan, the CEC Agreement will be executed, and Metropolitan will provide PVID with 50 percent of the community funds received to date, including accrued interest. The CEC will solicit project proposals from the community. The CEC and the CAC will evaluate the proposals and the CEC will determine who receives funding. The major milestone of the program will be distributing the community funding until it is exhausted.

Summary

Metropolitan committed to providing funding, in partnership with PVID, to the Palo Verde community to address any community needs that may develop because of implementing the SCIA. Entering into the CEC Agreement will define which entity will retain the community funding, how funding will be retained, and how it will be distributed, including any accrued interest. Once executed, the CEC Agreement will allow Metropolitan to distribute the community funding to PVID and begin the project solicitation process. Once projects are selected for funding, the Parties will make equal payments to cover the project costs. Metropolitan and PVID staff will assist with the administration of this agreement.

2/3/2025

Brandon J. Goshi *Date*
Interim Manager,
Water Resources Management

2/3/2025

Deven N. Upadhyay *Date*
Interim General Manager

Attachment 1 – Draft Agreement Between The Metropolitan Water District of Southern California and Palo Verde Irrigation District to Jointly Fund Community Investment in the Palo Verde Valley

Ref# wrm12703826

AGREEMENT BETWEEN THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA AND PALO VERDE IRRIGATION DISTRICT TO JOINTLY FUND COMMUNITY INVESTMENT IN THE PALO VERDE IRRIGATION DISTRICT'S SERVICE AREA

This Agreement Between The Metropolitan Water District of Southern California (MWD) and Palo Verde Irrigation District (PVID) (each individually referred to as a Party and collectively as the Parties) To Fund Community Investment in the Palo Verde Irrigation District's Service Area (Agreement), is entered into as of [_____].

RECITALS

A. On August 18, 2004, the Parties entered into the "Forbearance and Fallowing Program Agreement," which established a 35-year program (Fallowing Program) for the fallowing of lands in PVID irrigated with Priority 1 Colorado River water. Under the Fallowing Program, MWD pays landowners for a specified number of acres to be fallowed in accordance with contracts executed by MWD with each landowner. The reduced irrigation results in conserved water that is available to MWD as junior priority holder to Colorado River water in California.

B. On December 20, 2023, MWD and the United States Bureau of Reclamation (Reclamation) entered into an agreement known as the "System Conservation Implementation Agreement (SCIA) Between the United States Bureau of Reclamation and The Metropolitan Water District of Southern California, to Implement the Lower Colorado Conservation and Efficiency Program (LC Conservation Program)" (SCIA), SCIA No. 23-XX-30-W0772. On or about December 20, 2023, PVID provided its written concurrence with the SCIA.

C. On May 31, 2024, MWD and PVID entered into the "Agreement Between MWD and PVID Regarding 2023-2026 System Conservation Implementation" which the Parties subsequently amended by letter agreement dated July 19, 2024 (MWD-PVID SCIA Implementation Agreement). The MWD-PVID SCIA Implementation Agreement provides for distribution of the SCIA funding among landowners, MWD, and the community to help mitigate any potential impacts from the SCIA. That agreement also provides that the Parties will enter into a separate agreement to provide how the community portion of the SCIA funding would be retained and distributed.

D. The Parties desire to enter into this Agreement to provide how the community portion of the SCIA funding will be retained and distributed.

NOW, THEREFORE, the Parties hereby agree as follows:

AGREEMENT

1. Purpose: The purpose of this Agreement is to establish a procedure for the Parties to jointly identify the community needs that may be affected by the SCIA in PVID's service

area, and to provide grants to businesses, non-profits, and individuals to mitigate those needs.

2. Community Enhancement Collaborative (CEC)

A. The Parties hereby establish a Community Enhancement Collaborative (CEC) which will make decisions regarding funding investment in PVID's service area pursuant to this Agreement. The CEC will consist of six individuals. Each Party will designate three individuals who will serve on the CEC at the pleasure of the appointing Party.

B. The CEC will: solicit funding proposals; establish funding criteria; oversee the Community Advisory Committee (CAC); review CAC funding recommendations; make funding decisions; establish procedures to help ensure funding is used in accordance with CEC funding decisions; and establish appropriate record-keeping procedures to document the actions of the CEC.

C. Additional details of the CEC

i. Projects selected for funding must be located within the service area of PVID.

ii. The CEC will decide which projects to fund. The CEC is not obligated to follow the recommendations of the CAC.

iii. CEC members will recuse themselves from voting on a particular project if they have a conflict of interest.

iv. Quorum: A majority of CEC members must be present to hold a meeting of the CEC.

v. Voting: Decisions of the CEC must be approved by a majority of CEC members present during a meeting of the CEC.

3. Community Advisory Committee (CAC)

A. The Parties hereby establish a Community Advisory Committee which will evaluate potential projects based on criteria established by the CEC and will make funding recommendations to the CEC.

B. A majority of CAC members must be present to hold a meeting of the CAC. Recommendations of the CAC must be approved by a majority of CAC members present during a meeting of the CAC.

C. CAC members will recuse themselves from voting on a particular project if they have a conflict of interest.

D. Individuals will serve on the CAC without compensation.

DRAFT

4. Financial Provisions

A. In the MWD-PVID SCIA Implementation Agreement, the Parties agreed that a certain amount of funding that Reclamation provided to MWD would be allocated to the community. Once this Agreement is executed and upon receipt of such community funding from Reclamation, MWD will retain half and will provide half to PVID.

B. The Parties will each retain their half of the community funds in an interest-bearing account (Funding Account). All interest earned will be maintained in the Funding Account for use pursuant to this Agreement. All interest earned on Metropolitan's Funding Account will be accrued and allocated quarterly.

C. Half of the funds for each project will paid from MWD's Funding Account, and half will be paid from PVID's Funding Account.

D. The CEC may use funds for administrative costs related to implementing this Agreement. However, funds may not be used to pay for time spent implementing this Agreement by members of the CEC or staff members of the Parties. Half of any administrative costs will paid from MWD's Funding Account, and half will be paid from PVID's Funding Account.

E. The Parties will each maintain audit and accounting procedures and written accounts with respect to the funds that are in accordance with generally accepted accounting principles and practices, consistently applied. The Parties will each maintain complete and accurate records of each project expenditure, disbursement, and interest earnings. Each Party will provide such records to the other Party upon reasonable notice.

F. Any money remaining in each Party's Funding Account after all projects have been funded pursuant to this Agreement will be added together and then split equally between the Parties to spend on any community enhancement projects as determined by each Party in its own discretion.

5. Dispute Resolution: The Parties may mutually decide to resolve any dispute by way of mediation. If mediation is elected, the Parties will jointly select a mediator and will share equally in the cost of mediation.

6. Use of Agency's name/logo: Any use of a Party's name or logo pursuant to this Agreement requires the prior approval of the CEC.

7. General Terms

A. This Agreement becomes effective on the date first written above provided that both Parties have executed this Agreement. This Agreement will remain in effect

until terminated by mutual agreement of the Parties or the funds are substantially exhausted, whichever occurs first.

B. The Parties do not intend to create any third-party beneficiary rights to enforce the terms of this Agreement in any person that is not a Party.

C. This Agreement has been jointly negotiated and drafted. The language of this Agreement shall be construed as a whole according to its fair meaning and not strictly for or against any Party.

D. This Agreement may be supplemented, amended, or modified only by written, executed agreement of the Parties.

E. This Agreement may be executed in two or more counterparts, each of which, when executed and delivered, shall be an original and all of which together shall constitute one instrument, with the same force and effect as though all signatures appeared on a single document.

F. This Agreement is made an entered into in the State of California and shall in all respects be interpreted, enforced, and governed under the laws of the State of California.

G. Each person executing this Agreement on behalf of a Party warrants and represents to the other Parties that he or she is duly authorized to execute this Agreement on behalf of such Party and has the authority to bind their Party to the performance of its obligations hereunder.

DRAFT

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the day and year first written above.

Approved as to form:

By:_____
David R. Saunders
District Counsel

PALO VERDE IRRIGATION DISTRICT

By:_____
J.R. Echard
General Manager

Approved as to form:

By:_____
Marcia L. Scully
General Counsel

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

By:_____
Deven N. Upadhyay
General Manager

DRAFT

One Water and Stewardship Committee

Authorize an Agreement with Palo Verde Irrigation District to Jointly Fund Community Investment in Palo Verde Irrigation District's Service Area

Item 7-4

February 10, 2025

Item 7-4

Authorize an Agreement with PVID to Jointly Fund Community Investment in PVID's Service Area

Subject

Authorize the General Manager to enter into an agreement with Palo Verde Irrigation District to jointly fund community investment in Palo Verde Irrigation District's service area; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Purpose

Before Metropolitan can distribute the community funding received by USBR, Metropolitan and PVID need to execute an agreement that defines how community funds are managed.

Recommendation and Fiscal Impact

Authorize the General Manager to enter into an agreement with Palo Verde Irrigation District to jointly fund community investment in Palo Verde Irrigation District's service area with funds received from USBR's LC Conservation Program.

There is no fiscal impact since community funding is provided from USBR's Bucket 1 funding for water conserved under the PVID Fallowing Program

Budget

No impact on budget.

Palo Verde Irrigation District (PVID)

Background

- About 131,000 acres in Riverside & Imperial Counties
  - Valley and Mesa
- Population: About 13,000
- Top crops: Alfalfa, citrus, wheat, cotton, melon, lettuce
- 7-member Board of Trustees
- MWD is the largest landowner in PVID

Background

PVID Land Fallowing Program

- 35-year program: 2005-2040
- Enrolled farmers fallow acres matching MWD's call
  - Aug 1 – Jul 31
  - 6,487 to 25,947 acres
- Farmers receive $/acre
- MWD receives conserved water
- MWD provided $6M to PVID in 2007 for community improvement
  - Distributed through grants and loans

Timeline of Federal Funding & Community Investment

Sept. 2022

Lower Colorado Conservation and Efficiency Program (LC Conservation Program) funding announcement

Nov. 2022

MWD submitted application

* Community investment was a negotiated component with PVID

Dec. 2023

USBR and MWD enter into System Conservation Implementation Agreement (SCIA)

* MWD Board Action

May 2024

PVID and MWD enter into Sub-Agreement describing payments

Nov. 2024

Forbearance Agreement

Nov. 2024

USBR sends checks (Year 1 – 2) to Metropolitan

Updates on Palo Verde Community Enhancement provided to Metropolitan's Board in Sept. 2024 & Jan. 2025

Existing Agreements

SCIA between USBR & MWD

- 117,021 AFY x 3 years = 351,000 Total AF
- $400/AF ($140.43M Total)
- Three annual payments, 2023 - 2025
- Additional agreements were required:
  - Sub-Agreement between PVID & MWD (5/2024)
  - Forbearance (11/2024)

Sub-Agreement between MWD & PVID

- Federal funding allocated between:
  - Landowners
  - Metropolitan
  - Community
    - $2.63M x 3 years = $7.90M
- Future agreement needed to disburse funds

Community Funding Agreement Terms

** Approved by PVID's board on 1/21/25*

Staff will support administration

Fund Management

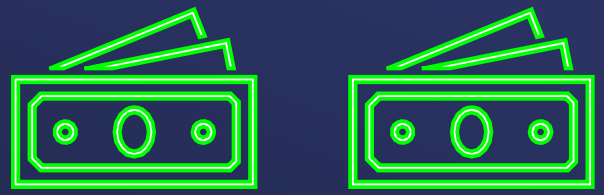
- Each Party holds 50% of funds in interest-bearing account
- Parties equally share in fund disbursement & admin costs
- Any remaining funds to be split between Parties and used for community investment as determined by each Party

Proposal Selection

- Community Enhancement Collaborative (CEC)
  - 6 members (3 MWD, 3 PVID)
  - Solicit funding proposals, establish criteria, and make funding decisions
  - Establish administrative procedures
- Advisory committee (Community Advisory Collaborative) provides recommendations to the CEC
- Members can't vote if a conflict of interest exists

Community Investment Fund Disbursement

Year 1:
$2.63M



Year 2:
$2.63M

$5.27M received to date

50% →

MWD & PVID Community Funding Agreement

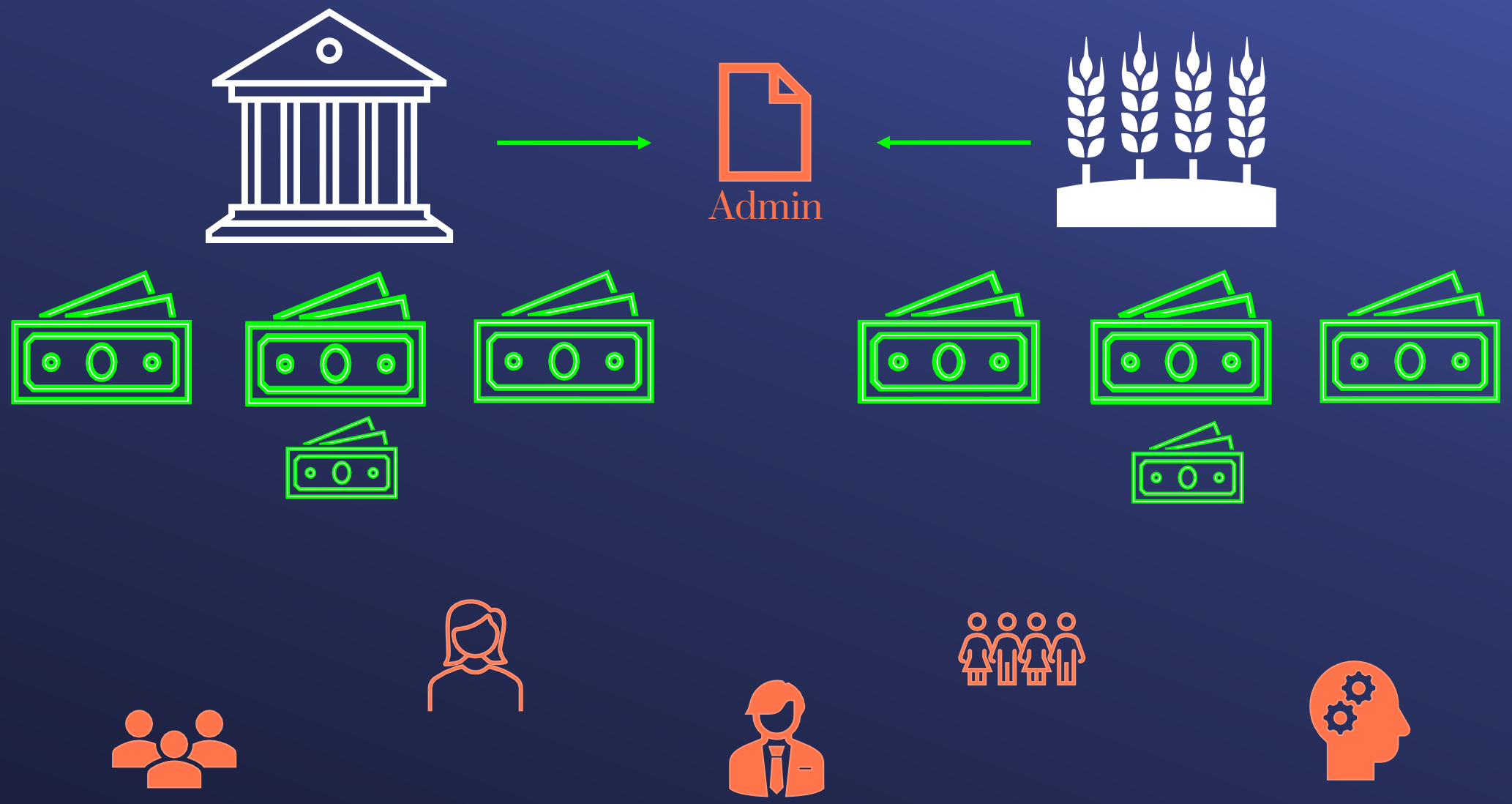
** PVID approved 1/14/25*

Community Investment Fund Disbursement

SCIA 5-month Extension

** Board approved 1/14/2025*

Community Investment Fund Disbursement



Potential Projects

* Must be located within PVID's service area

Business Development

Blythe Police Department

Determined by CEC w/ community input

Palo Verde Hospital

Palo Verde Schools

Palo Verde College

Benefits to Metropolitan

Metropolitan is a Member of the Community

- As the largest landowner in the Palo Verde Valley, Metropolitan has a responsibility to contribute to the betterment of the community

Support of Conservation Programs

- Community investment helps build support for additional conservation programs

PVID is a Model for the Colorado River Basin

- Successful conservation programs coupled with a strong economy in the Palo Verde Valley acts as an example to other areas in the Colorado River Basin

Next Steps

1. Agreement Execution
2. Continue CEC meetings
3. Disburse 50% of community funds + interest to PVID
4. Continue advisory committee development & outreach
5. CEC develops application, website, & selection criteria

Summary

- MWD committed to investing in PVID's community with Bucket l funding
  - Provides benefits to Metropolitan
- USBR paid MWD for Years l and 2
  - MWD earmarked $5.27M for community investment
- A separate agreement is needed to disburse the funds
- The CEC will select proposals with recommendations from a community advisory committee
- MWD and PVID will have equal voting power
- Funds and payment obligations will be split by both Parties
- Upon execution, MWD will provide PVID with 50% of the funds received to date

Board Options

- Option #1

Authorize the General Manager to enter into an agreement with Palo Verde Irrigation District to jointly fund community investment in Palo Verde Irrigation District's service area.

- Option #2

Do not authorize the General Manager to enter into an agreement with Palo Verde Irrigation District to jointly fund community investment in Palo Verde Irrigation District's service area.

Staff Recommendation

- Option #1

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Action

- **Board of Directors**
  One Water and Stewardship Committee

2/11/2025 Board Meeting

7-5

Subject

Authorize the General Manager to approve a new three-year agreement with WaterWise Consulting Inc. for the Large Landscape and Residential Survey Program, for a total agreement not to exceed $200,000/year; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

The large-landscape survey program has provided in-person outdoor efficiency audits to commercial and residential landscapes over one acre since 2013. In 2022, Metropolitan added an indoor/outdoor residential survey option, providing leak detection and efficiency recommendations to all residents throughout the service area. Since adding the residential surveys, program activity has increased. The current agreement with WaterWise Consulting Inc. expires on February 28, 2025. This agreement will extend the program for three years with no change to the current program budget.

Proposed Action(s)/Recommendation(s) and Options

Staff Recommendation: Option #1

Option #1

Authorize the General Manager to approve a new three-year agreement with WaterWise Consulting Inc. for the Large Landscape and Residential Survey Program, for a total agreement not to exceed $200,000/year.

Fiscal Impact: $600,000 over three years funded from the current Conservation Program budget. This request will not increase the Conservation Program budget.
Business Analysis: The proposed agreement will allow the program to continue uninterrupted through 2028.

Option #2

Do not authorize a new agreement with WaterWise Consulting Inc. If not authorized, the program will end.
Fiscal Impact: None
Business Analysis: The Large Landscape and Residential Survey Program will end. Member and retail water agencies would not be able to list the survey program as a best management practice for the Conservation as a California Way of Life regulation reporting.

Alternatives Considered

Not applicable

Applicable Policy

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute Item 48772, dated August 16, 2011, the Board adopted the Long-Term Conservation Plan and revisions to the water conservation policy principles.

Related Board Action(s)/Future Action(s)

Not applicable

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is not defined as a project under CEQA because it involves the creation of government funding mechanisms or other government fiscal activities which do not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment. (State CEQA Guidelines Section 15378(b)(4)).

CEQA determination for Option #2:

None required

Details and Background

Background

In 2013, Metropolitan launched a large-landscape survey program for commercial and residential properties with over an acre of irrigated landscape. These in-person surveys include an irrigation audit and recommendations for water use efficiency improvements. Metropolitan provides these surveys free of charge to property owners to improve irrigation efficiency on large landscapes with high water usage. The report provided to the customer includes an overview of any leaks or needed repairs of the irrigation system as well as recommendations for changes to improve efficiency. These recommendations include turf replacement, irrigation changes, controller upgrades, and landscaping best management practices. The report also includes a cost-benefit analysis, rebate availability, and a payback timeline for the recommendations.

In 2021, WaterWise Consulting Inc. was competitively selected as the survey program contractor through a Request for Proposal process. In 2022, Metropolitan added a residential survey option to the program, which can be performed virtually or in person. The residential survey does not have a minimum size and includes indoor and outdoor home audits. Survey consultants provide a leak detection review inside and outside the home and prepare a report of recommendations to improve water use efficiency. These recommendations include turf replacement, irrigation repair and upgrades, appliance upgrades, and conservation tips for indoor water use. The report also provides rebate and other program information available to the customer.

A Request for Proposal was issued in December 2024, and WaterWise Consulting Inc. was the only respondent. Therefore, they have been selected to continue as the survey program contractor.

Proposed Action

Previous agreements were issued as one-year agreements with two one-year rollover options with a budget of $200,000 per year. Staff is requesting to change the approach to establishing the agreement so that a three-year agreement for a not-to-exceed total of $600,000 will be authorized by the Board. This revised approach will increase the efficiency of administering the agreement.

2/6/2025

Brandon J. Goshi *Date*
Interim Manager,
Water Resource Management

2/6/2025

Deven Upadhyay *Date*
General Manager

Ref# wrm12699330

One Water & Stewardship Committee

Authorize an Agreement with WaterWise Consulting, Inc. for the Large Landscape and Residential Survey Program

Item 7-5

February 10, 2025

Item #7-5

Authorization Request for Large Landscape and Residential Survey Program Agreement

Subject

Authorize a three-year agreement with WaterWise Consulting, Inc., for $200,000 per agreement year for large landscape and residential surveys

Purpose

Continue the Large Landscape and Residential Survey Program

Recommendation

Authorize a three-year agreement with WaterWise Consulting, Inc., for $200,000 per agreement year for large landscape and residential surveys

Fiscal & Budget Impact

Expenditures within the board-authorized budget

Overview of Metropolitan's Survey Program

Large Landscape Survey Program

- Irrigation audit
- Review of historical use and comparison to recommended irrigation schedule
- Recommendations on efficiency improvements with cost/benefit analysis

Residential Indoor/Outdoor Survey Program

- Irrigation audit
- Indoor leak detection
- Recommendations on efficiency improvements

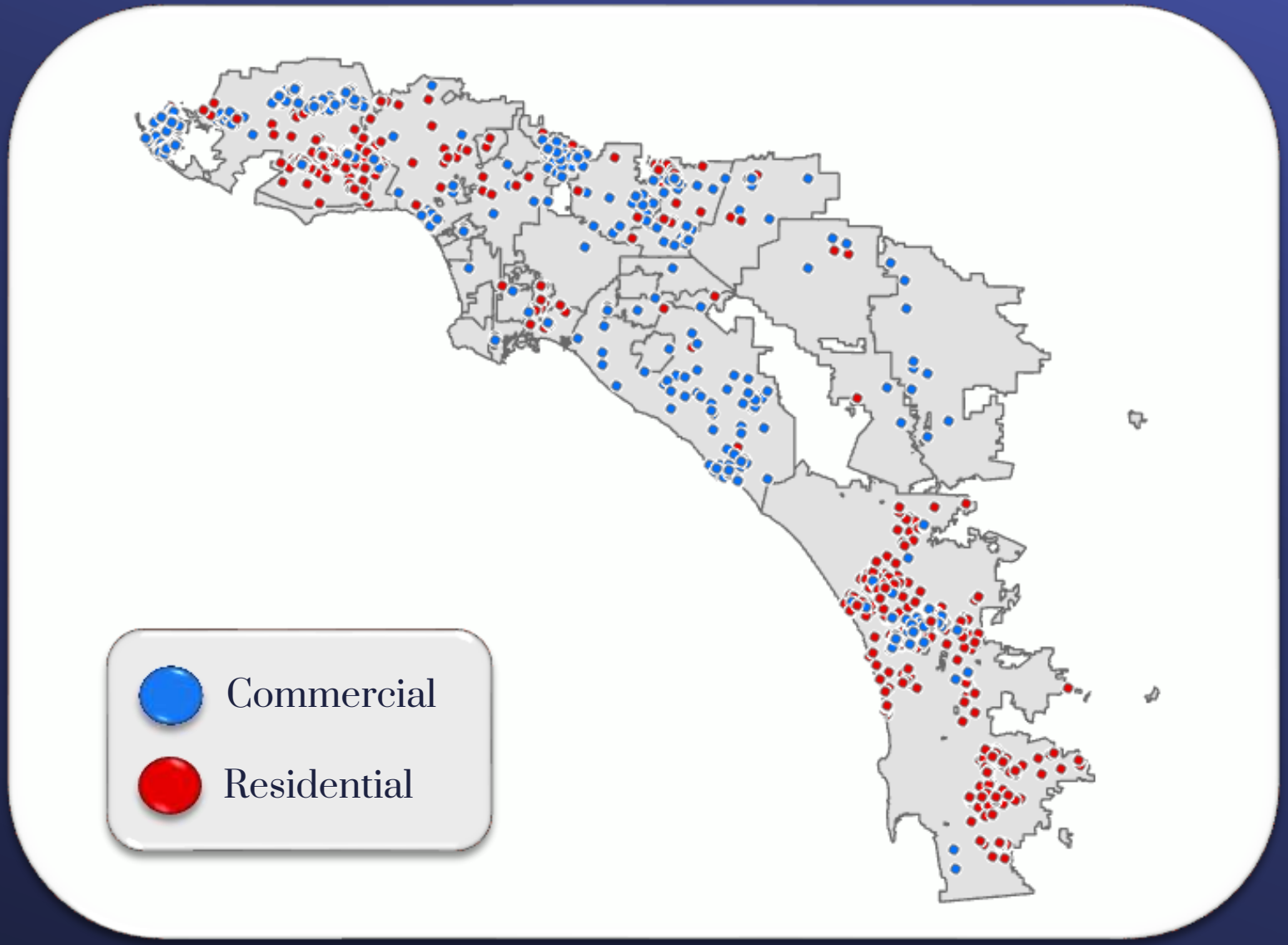
Metropolitan's Survey Vendor

WaterWise Consulting, Inc. was competitively selected as Metropolitan's survey vendor

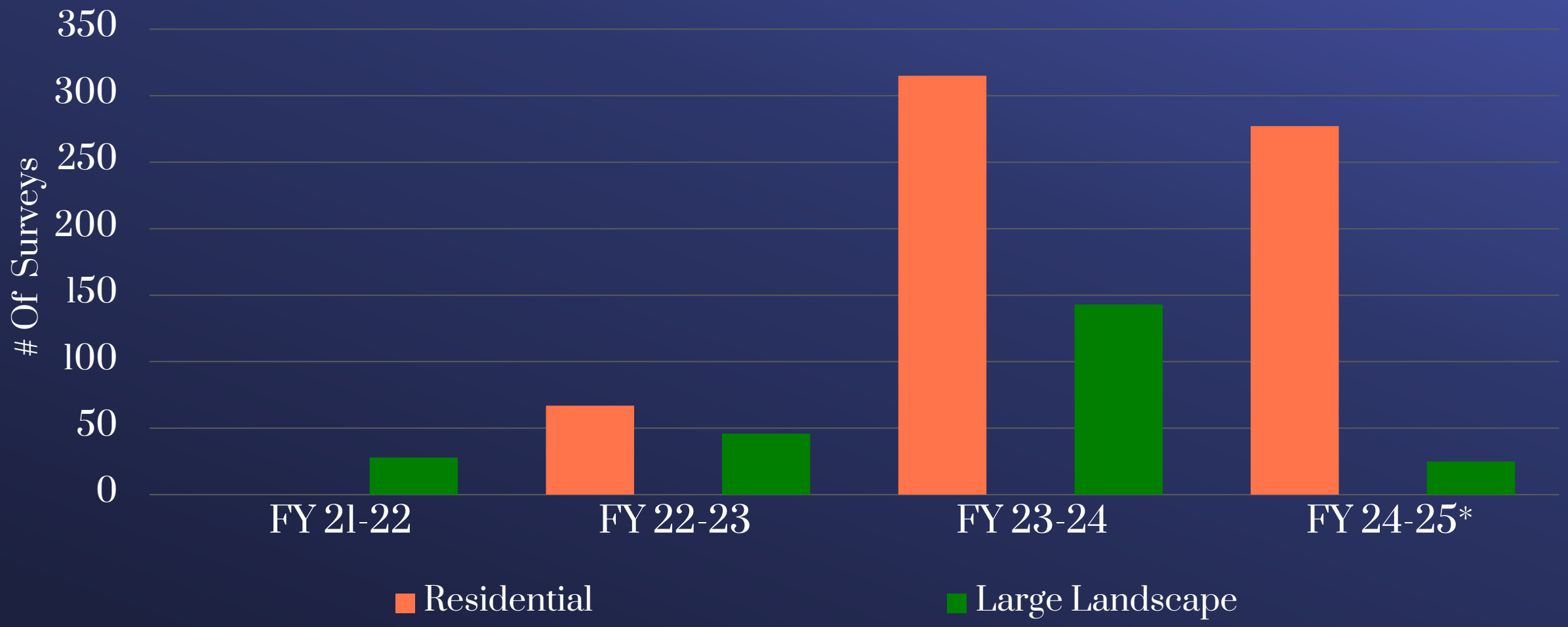
- MWD survey program vendor for 10 years
- They can support Metropolitan's entire service area
- Meet the demand of Metropolitan's high volume of surveys
- Experience performing conservation program surveys for other agencies

Surveys In Action

Distribution Map of Survey Sites



Residential and Large Landscape Surveys
FY 21-22, FY 22-23, FY 23-24, FY24-25



* July 2024 – Dec 2024

Why should we continue the Survey Program?

Value to Metropolitan

- Customers who participate are more likely to move forward with efficiency changes and participate in Metropolitan rebate programs
- Metropolitan's survey program is an approved Best Management Practice for CII sector under the Conservation as a California Way of Life regulation requirements

Summary

- Current program in year three of agreement limited to $200,000 per year
- Agreement expires February 28, 2025 and program will end without funding authorization
- Both large landscape and residential survey activity has increased during recent years
- Implementation of AB1572 is expected to further increase interest in large landscape surveys
- Changing agreement format to three-year agreement will allow for budget flexibility and administrative ease

Board Options for Metropolitan's Survey Program

Option #1

Authorize the General Manager to approve a new three-year agreement with WaterWise Consulting Inc. for the Large Landscape and Residential Survey Program, for a total agreement not to exceed $200,000/year.

Option #2

Do not authorize a new agreement with WaterWise Consulting Inc. If not authorized, the program will end.

Staff Recommendation

Option #1

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Action

- **Board of Directors**
  One Water and Stewardship Committee

2/11/2025 Board Meeting

7-6

Subject

Authorize the General Manager to expand the Bard Seasonal Fallowing Program and amend the System Conservation Implementation Agreement for Bard Seasonal Fallowing Program to increase its program size from 3,000 acres to 6,000 acres for the years 2025 and 2026; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

Staff seeks authorization for the General Manager to expand the program size of the Bard Seasonal Fallowing Program (Bard Program) from 3,000 to 6,000 acres for years 2025 and 2026, and amend the System Conservation Implementation Agreement for the Bard Program. Under the amendment, the U.S. Bureau of Reclamation (Reclamation) would pay for conserved water under the Bard Program, as expanded.

Metropolitan is currently participating in the Lower Colorado (LC) Conservation Program with Reclamation, and on September 23, 2024, entered into the System Conservation Implementation Agreement (SCIA) with Reclamation and Bard Water District (Bard) to fund the Bard Program. Reclamation is willing to amend the SCIA to include the additional 3,000 acres in the Bard Program in program years 2025 and 2026. Metropolitan would agree to forebear water conserved in 2025 and would have the option to retain water conserved in 2026, if needed, instead of providing the water to Lake Mead as system water. Metropolitan and other Colorado River water users would also benefit from increased Lake Mead elevation.

Proposed Action(s)/Recommendation(s) and Options

Staff Recommendation: Option #1

Option #1

Authorize the General Manager to expand the Bard Seasonal Fallowing Program and amend the System Conservation Implementation Agreement for Bard Seasonal Fallowing Program to increase its program size from 3,000 acres to 6,000 acres for the years 2025 and 2026.

Fiscal Impact: Metropolitan would not pay for the additional land fallowing during the term of the System Conservation Implementation Agreement. Metropolitan would also receive approximately $120,000 for Bard administrative fees through 2026.
Business Analysis: Expanding the program would fund additional land fallowing to increase Colorado River system water at no additional cost to Metropolitan.

Option #2

Do not authorize the expansion of the Bard Seasonal Fallowing Program.
Fiscal Impact: None
Business Analysis: Metropolitan would forego an opportunity to increase Colorado River system water to reduce the risk of future curtailment.

Alternatives Considered

Not applicable

Applicable Policy

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute Item 51833, dated December 10, 2019, the Board authorized the General Manager to enter into a Program agreement with Bard Water District and seasonal fallowing agreements with farmers within the Bard Unit, and approve payment of up to $1.4 million per year, escalated annually through 2026.

By Minute Item 53469, dated December 5, 2023, the Board authorized the General Manager to enter into agreements for system conservation projects with the Palo Verde Irrigation District, Bard Water District, and the Quechan Tribe under Reclamation's Lower Colorado Conservation Program.

Related Board Action(s)/Future Action(s)

Not applicable

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is categorically exempt under the provisions of CEQA and the State CEQA Guidelines. The proposed project involves minor modifications in the condition of land, water, and/or vegetation, which do not involve removal of healthy, mature, scenic trees. These activities would result in negligible or no expansion of use of public or private facilities or features and no possibility of significantly impacting the physical environment. Accordingly, the proposed action qualifies for Class 1 and Class 4 Categorical Exemptions (Sections 15301 and 15304 of the State CEQA Guidelines). In addition, where it can be seen with certainty that there is no possibility that the proposed action in question may have a significant effect on the environment, the proposed action is not subject to CEQA (Section 15061(b)(3) of the State CEQA Guidelines).

CEQA determination for Option #2:

None required

Details and Background

Background

In 2019, Metropolitan and Bard entered into the Bard Program in which Metropolitan pays for seasonal fallowing in Bard from 2020 through 2026. The Bard Program reduces water consumption in Bard that helps augment Metropolitan's Colorado River supplies. The Bard Program incentivizes participating farmers to fallow their land for four months. The average water savings is about 2.0 acre-feet per irrigable acre. To estimate water savings, Bard's proportional returns and consumptive use are calculated based on values reported in Reclamation's annual water accounting report. Given the total consumptive use, total irrigable acres within Bard, and acres that were actually fallowed, the acre-feet per irrigable acre for the months within a particular fallowing season is calculated. A weighted average is calculated using the acre-feet per irrigable acre for all years of Bard's participation in the fallowing program.

Bard diverts Colorado River water for crop irrigation grown year-round in the warm, dry climate. Farmers typically grow high-value crops in the winter (vegetable crops) followed by a lower-value, water-intensive field crop (such as Bermuda and Sudan grass, small grains, field grains, or cotton) in the spring and summer. Under the Bard Program, Metropolitan makes a fallowing call on October 1 for the following year, and farmers may commit to reduce water consumption during a four-month window from April 1 – July 31 on up to 3,000 acres. Participating farmers receive an annual payment per irrigable acre split between the beginning and the end of the fallowing season. Metropolitan has made full fallowing calls since the program began in 2020. The water saved

by fallowing accrues to Metropolitan. Since its inception, the program has conserved approximately 51,000 acre-feet and provided up to $6.27 million in funding.

The 2021 Bipartisan Infrastructure Law and the 2022 Inflation Reduction Act funded water management and conservation efforts to relieve drought conditions in the western United States, with a focus on the Colorado River. The Department of the Interior, through Reclamation, created the LC Conservation Program to increase system conservation and efficiency opportunities to address drought impacts in the Lower Colorado River Basin. Similar conservation programs are being developed in the Upper Colorado River Basin. The LC Conservation Program provides funding opportunities for voluntary participation to increase system conservation.

On September 23, 2024, Metropolitan and Bard entered into the SCIA with Reclamation to fund Metropolitan's Bard Program. Under this agreement, Metropolitan and Bard agree to request from Bard farmers offers of participation to collectively fallow up to 3,000 acres for the four-month fallowing periods in program years 2024, 2025, and 2026. For the purposes of the SCIA, the average water savings are 1.9 acre-feet per irrigable acre. Reclamation agrees to reimburse Metropolitan for creating Colorado River system water from water conserved with the Bard Program, an estimated 5,700 AF per year of Colorado River system water, which will be left in Lake Mead. Metropolitan is administering the program. Reclamation will provide a payment of $400 per AF of conserved water left in Lake Mead. Metropolitan will provide $380 per AF to participating farmers and Bard Water District (75 percent to participating farmers and 25 percent to Bard Water District) and retain $20 per AF for administration costs.

Increased Interest in Farmer Participation in the Bard Program

The Bard Unit has approximately 6,000 irrigable acres. Through the current Bard Program, Metropolitan provides fallowing incentives for a maximum of 3,000 acres per program year. Metropolitan has made full fallowing calls since the program began in 2020. There has been increased interest over time from Bard farmers to participate in the Bard Program and/or increase their fallowing acreage. Expanding the Bard Program size from 3,000 to 6,000 acres would allow for increased participation and provide a benefit for Bard farmers, Metropolitan, and other Colorado River users. Metropolitan would receive the regional benefit of water supply flexibility and resiliency. Other Colorado River water users would benefit from increased Lake Mead elevation. Program rules regarding eligible land would be identical to the existing Bard Program. The only change to the program would be the size.

Expansion of Bard Program Participation in the LC Conservation Program

As part of the LC Conservation Program, Reclamation is willing to amend the SCIA to include the additional 3,000 acres in the Bard Program for program years 2025 and 2026. Pursuant to the amendment, Metropolitan would request from Bard farmers offers of participation to collectively fallow up to 6,000 acres for the four-month fallowing periods in program years 2025 and 2026. Metropolitan would agree to forebear water conserved in 2025 and would have the option to divert a portion of water conserved in 2026, if needed, instead of providing the water to Lake Mead as system water. If Metropolitan determines that there is a need to divert any water conserved in 2026, Metropolitan would provide funding in the amounts consistent with the existing Bard Program rather than the higher amounts provided by Reclamation. Metropolitan would continue to administer the Bard Program. All other provisions of the SCIA related to payment terms would remain the same. Metropolitan will seek to obtain any necessary forbearance from other Colorado River contractors.

Summary

Since 2020, Metropolitan has provided incentives for Bard farmers to fallow their lands for four months out of the year to reduce water consumption and augment Metropolitan's Colorado River supplies. Metropolitan has made full fallowing calls since 2020, and farmer interest in the program has increased over time. As a result of the LC Conservation Program, Metropolitan and Reclamation entered into the SCIA. Through the SCIA, Reclamation provides a payment of $400 per AF of conserved Colorado River water left in Lake Mead. With the expansion of the Bard Program to 6,000 acres and amendment to the SCIA, Reclamation would fund the generation of up to 11,400 AF of conserved Colorado River system water in program years 2025 and 2026. Reclamation would make payments to Metropolitan, and Metropolitan would continue to administer the program. Metropolitan would have

the option to retain a portion of water conserved in 2026, up to 5,700 AF. If Metropolitan determines that there is a need to divert any water conserved in 2026, Metropolitan would provide funding in the amounts consistent with the existing Bard Program.

Timing and Urgency

Reclamation has requested to expedite any extensions to Bucket 1 System Conservation Implementation Agreements. Funding provided by Reclamation in these agreements could be withdrawn by future congressional action or delayed by the new federal administration.

2/6/2025

Brandon J. Goshi *Date*
Interim Manager,
Water Resources Management

2/6/2025

Deven N. Upadhyay *Date*
General Manager

Ref# wrm12699600

One Water and Stewardship Committee

Expansion of the Bard Seasonal Fallowing Program and Amendment to the System Conservation Implementation Agreement for Bard Seasonal Fallowing Program

Item 7-6

February 10, 2025

Authorize Expansion of the Bard Seasonal Fallowing Program

Subject

Authorize the General Manager to expand the Bard Seasonal Fallowing Program and amend the System Conservation Implementation Agreement for Bard Seasonal Fallowing Program to increase its program size from 3,000 acres to 6,000 acres for the years 2025 and 2026.

Purpose

To obtain board approval for expansion of the Bard Program and an amendment to the System Conservation Implementation Agreement for the Bard Program.

Recommendation and Fiscal Impact

Authorize the expansion of the Bard Seasonal Fallowing Program and authorize amending the System Conservation Implementation Agreement for Bard Seasonal Fallowing Program to increase its program size from 3,000 acres to 6,000 acres for the years 2025 and 2026. Metropolitan would not pay for the additional land fallowing during the term of the System Conservation Implementation Agreement. Metropolitan would also receive approximately $120,000 for Bard administrative fees through 2026.

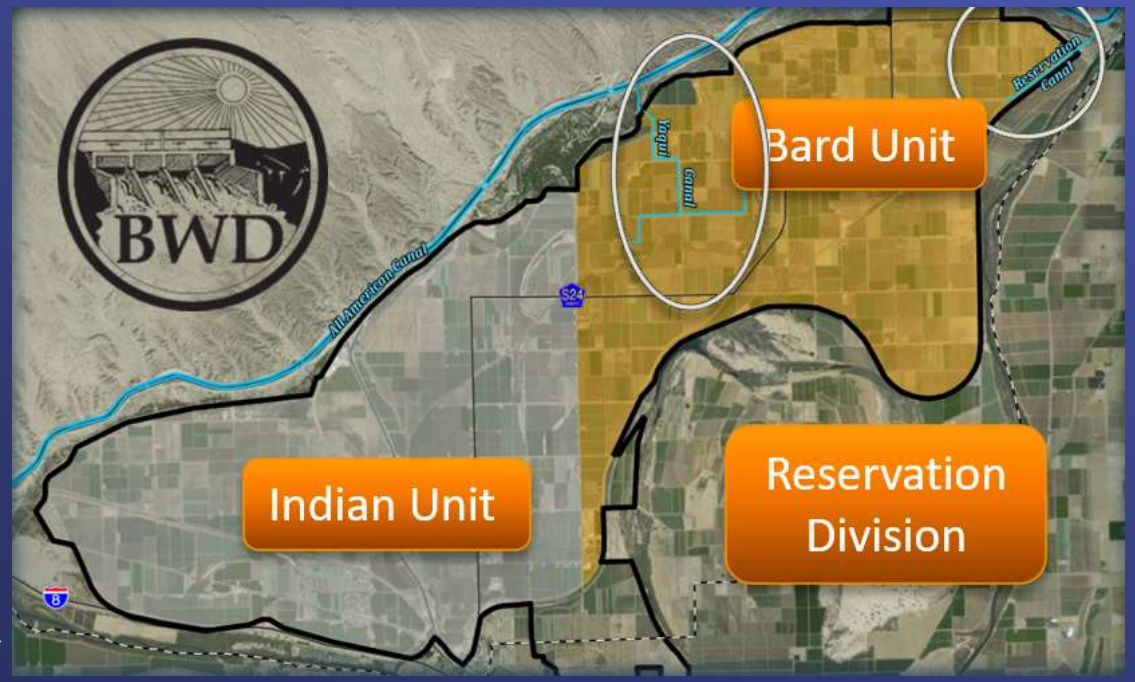
Budget

Not budgeted. US Bureau of Reclamation would fund the additional land fallowing at no cost to Metropolitan.

Bard Water District Background

Bard Water District Background

- Part of the Reservation Division of the Yuma Project
- Diverts water from All-American Canal



- Approximately 7,000 Irrigated Acres
- High value vegetables grown in winter
- Lower-value, water-intensive grasses grown in summer

Bard Seasonal Fallowing Program

- Board approved in 2019
- Program active from 2020-2026

Program size	3,000 acres/year
Fallowing Season	April – June
Incentive Rate	$452/acre/year

*Verifications are made prior to providing funding
*Rate is escalated annually

Bard Program Benefits

- Water supply reliability
- Financial benefits to farmers and improvements to Bard
- Water savings of up to 6,000 AF per year

To date:

- Water savings: 51,000 AF
- Funding provided: $6.27M

Proposed Bard Program Expansion

Expand Bard Program size from 3,000 acres to 6,000 acres

Why We Want to Expand the Bard Program

- Increased reliability for Metropolitan when needed
- Bard farmers have expressed interest in increasing fallowing
  - Bard has the capacity to fallow more
- Bard uses funding for relining their canals and other district improvements
  - Benefits all within Bard

Terms of the System Conservation Implementation Agreement (SCIA)

September 2024: Metropolitan and Bard entered into SCIA with USBR

- USBR funds the fallowing of up to 3,000 acres per year
- Metropolitan administers the program
- Water conserved is left in Lake Mead

USBR Payment: <u>$760 per acre</u>

- $720 for Bard
  - 75% for farmers
  - 25% for Bard Unit
- $40 for Metropolitan (admin costs)

Proposed Amendment to SCIA

- USBR will fund additional fallowing
- Metropolitan will forebear water conserved in 2025
  - No additional cost to Metropolitan
  - Collect administration costs
- Metropolitan will have the option to divert a portion of water conserved in 2026
  - Metropolitan would provide funding in the amounts consistent with the existing Bard Program

Proposed Amendment to SCIA

	Existing SCIA	Proposed SCIA
Max Annual Fallowing	3,000 acres/year	6,000 acres/year
Annual Water Savings	5,700 AF	11,400 AF

All other provisions of SCIA would remain the same.

Summary

Benefits of expanding the Bard Program and amending the SCIA:

- Enhanced reliability for Metropolitan if additional water needed in 2026
- Additional financial benefit to farmers and Bard
- Additional Colorado River system water for Lake Mead

Board Options

- Option #1

Authorize the General Manager to expand the Bard Seasonal Fallowing Program and amend the System Conservation Implementation Agreement for Bard Seasonal Fallowing Program to increase its program size from 3,000 acres to 6,000 acres for the years 2025 and 2026.

- Option #2

Do not authorize the expansion of the Bard Seasonal Fallowing Program.

Staff Recommendation

- Option #1

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Action

- **Board of Directors**
  Finance and Asset Management Committee

2/11/2025 Board Meeting

7-7

Subject

Review and consider the Lead Agency's certified Final Environmental Impact Report and Initial Study and take related CEQA actions, and adopt resolution for 117th Fringe Area Annexation to Eastern Municipal Water District and Metropolitan

Executive Summary

This action grants final approval for the 117th Fringe Area Annexation, as requested by Eastern Municipal Water District (EMWD) and authorizes Metropolitan to collect the appropriate water standby charge and ad valorem tax. This request is compliant with the current annexation policy and requirements and seeks to annex an area for development. The proposed annexation will extend the service area of Metropolitan and EMWD for a total annexation acreage of approximately 20.767 acres with 3.533 acres in public roads, leaving a net area of 17.234 acres (**Attachment 1**). The water demand from Metropolitan is 84.4 acre-feet per year (AFY). Eastern meets the demand management measures in the agency's Water Use Efficiency Statement of Compliance (**Attachment 2**). The charge for this annexation, if completed in 2025, is $147,439.01, which includes a $5,000 processing fee. The proposed resolution is **(Attachment 3)**.

Proposed Action(s)/Recommendation(s) and Options

Staff Recommendation: Option #1

Option #1

Review and consider the Lead Agency's certified Environmental Impact Report and Initial Study, and take related CEQA actions, and adopt resolution for the 117th Fringe Area Annexation concurrently to Eastern Municipal Water District and Metropolitan.

Fiscal Impact: Receipt of annexation fee of $147,439.01 for the annexation area and future water sales revenue from the newly annexed territory.
Business Analysis: This annexation will provide the ability for water service and associated benefits to the property owners. The initial fixed and variable costs will be borne by the local water supplier and property owners, including processing, infrastructure, and the cost of raw and treated water. This annexation helps to meet Metropolitan's member agency request.

Option #2

Decline the request for the proposed 117th Fringe Area Annexation.
Fiscal Impact: Unrealized annexation fee and water sales revenue from non-annexed areas.
Business Analysis: The subject area will not be in compliance with imported water service through EMWD and Metropolitan.

Alternatives Considered

None required. The mission of the Metropolitan Water District of Southern California is to provide its service area with adequate and reliable supplies of high-quality water to meet present and future needs in an environmentally and economically responsible way.

Applicable Policy

Metropolitan Water District Administrative Act Section 350: Annexation of Corporate Area of Agency

Metropolitan Administrative Code Section 3100: Request for Annexation

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

Related Board Action(s)/Future Action(s)

Metropolitan Board Report, December 2024, stating Metropolitan's 2025 annexation rate

Metropolitan Board Resolution 9361, approved August 20, 2024, setting the ad valorem tax rate

Metropolitan Board Resolution 9357, approved May 14, 2024, setting the water standby charge

Summary of Outreach Completed

Not applicable

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

Acting as the Lead Agency, City of Murrieta, and sub-member agency to Eastern, certified the Environmental Impact Report (EIR) for the Murrieta General Plan. The Lead Agency also approved the Findings of Fact, the Statement of Overriding Considerations, and the Mitigation Monitoring and Reporting Program on July 19, 2011, for the annexation process, which was not concluded at that time. Subsequently, the City of Murrieta prepared and approved an Initial Study and supporting technical studies for the project (also known as 117th Fringe Area Annexation, Oak Crest Townhomes) on July 24, 2024, for the annexation process.

The Lead Agency determined that preparation of an Initial Study and supporting technical studies are appropriate here because the project meets the conditions described in Section 15183(c) of the State CEQA Guidelines. In particular, the proposed project is exempt from further environmental review because the project is consistent with the General Plan designations in the EIR and would not result in any impacts peculiar to the project site that were not evaluated in the EIR and/or mitigated by the application of uniformly applied development policies, including General Plan policies, or standards adopted by the City, and there is no new information not known at the time the EIR was certified that shows the project would have a more severe impact than described in the EIR.

Metropolitan, as Responsible Agency under CEQA, is required to certify that it has reviewed and considered the information in the 2011 EIR and the 2024 Initial Study, and adopt the Lead Agency's findings prior to approval of the formal terms and conditions for the annexation. The environmental documentation is in **Attachment 4.**

CEQA determination(s) for Option #2:

None required

Details and Background

Background

On September 18, 2024, EMWD's board of directors adopted Resolution No. 2024-084 and transmitted a letter dated October 23, 2024, requesting formal terms and conditions for annexation and collection of water standby charges for the proposed 117th Fringe Area Annexation. The project consists of constructing approximately 243 residential multi-family homes on approximately 18 acres, located near Whitewood Road and Clinton Keith Road, within the City of Murrieta, within Riverside County. This annexation will extend the service area of

Metropolitan and EMWD by approximately 20.767 acres, with 3.533 acres in public roads, leaving a net area of 17.234 acres. This annexation request includes approving the proposed annexation area for water service.

The proposed annexing area will be served by EMWD as the local water purveyor and will be eligible for imported water through EMWD and Metropolitan after completion of the annexation. The charge for this annexation is $147,439.01, which includes the $5,000 processing fee collected at the time of the initial annexation request; the balance is payable prior to completion. The annexation charge is calculated based on the 2025 per-acre fee of $8,265. If the annexation is not completed in the calendar year 2025, the fee would be based on the then-current annexation rate pursuant to Section 3300 of Metropolitan's Administrative Code. Pursuant to Section 3107 of Metropolitan's Administrative Code, EMWD has submitted an acceptable Water Use Efficiency Statement of Compliance for this annexation project (**Attachment 2**). The water demand from Metropolitan is 84.4 AFY.

Completion of this annexation would be subject to (1) such terms and conditions as may be fixed by Metropolitan's Board in granting final consent to such annexation, (2) the Local Agency Formation Commission conditioning approval of the proposed annexation, and (3) property taxes are levied on the annexing property as previously established and collected which are currently being applied in the service area. These include taxes, benefit assessments, or property-related fees or charges to be established and collected on parcels being annexed to Metropolitan. Approval of Metropolitan's standby charge within EMWD's territory is a condition to complete this annexation.

Upon completion of the annexation, the lands within the 117th Fringe Area Annexation will be subject to the same rates levied in parcels currently within EMWD's service area as set by the Board. This action adopts a resolution consenting to EMWD's request for annexation with a water standby charge as set forth in (**Attachment 3**). Metropolitan's water standby charge collection on behalf of EMWD is currently $6.94 per acre, or per parcel if less than one acre. Metropolitan's ad valorem property tax is currently levied in the amount of 0.007 percent of the assessed valuation of each parcel with this rate reviewed under a separate board action.

1/22/2025

Elizabeth Crosson *Date*
Chief Sustainability, Resilience and Innovation Officer

1/24/2025

Deven Upadhyay *Date*
Interim General Manager

Attachment 1 – Map and Legal Description

Attachment 2 – Water Use Efficiency Statement of Compliance

Attachment 3 – Annexation Resolution

Attachment 4 – 117th Fringe Area Environmental Documentation

Ref# sri12698024

EXHIBIT "A"
LEGAL DESCRIPTION
EASTERN MUNICIPAL WATER DISTRICT – 117TH FRINGE AREA ANNEXATION

WITHIN SECTION 35, TOWNSHIP 6 SOUTH, RANGE 3 WEST OF THE SAN BERNARDINO MERIDIAN, IN THE CITY OF MURRIETA, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, BEING PARCELS 1 AND 2 AND LOTS "A", "B" AND "C" OF PARCEL MAP 15,203 ON FILE IN BOOK 80, PAGES 99 AND 100 OF PARCEL MAPS, RECORDS OF SAID COUNTY, TOGETHER WITH THAT PORTION OF PARCEL 2 AND LOT "C" OF PARCEL MAP NO. 8550 ON FILE IN BOOK 34, PAGE 45 OF PARCEL MAPS, RECORDS OF SAID COUNTY, WHICH IS DESCRIBED AS FOLLOWS:

PARCEL A:

BEGINNING AT THE SOUTHWEST CORNER OF SAID LOT "A". SAID POINT ALSO BEING THE CENTERLINE INTERSECTION OF CLINTON KEITH ROAD AND WHITEWOOD ROAD (FORMERLY MEADOWLARK LANE) AS SHOWN ON SAID PARCEL MAP NO. 15,203;

1. THENCE NORTH 0° 32'51" WEST ALONG THE CENTERLINE OF SAID WHITEWOOD ROAD, 685.16 FEET;

2. THENCE LEAVING SAID CENTERLINE, NORTH 89°48'18" EAST ALONG THE NORTHERLY LINE OF SAID PARCEL 2 OF PARCEL MAP 15,203 AND THE NORTHERLY LINE OF THAT PARCEL DESCRIBED IN GRANT DEED RECORDED APRIL 18, 2014, AS DOCUMENT NO. 2014-0141936 OF OFFICIAL RECORDS, OF SAID COUNTY TO THE EASTERLY LINE OF SAID PARCEL 2 OF PARCEL MAP NO. 8550;

3. THENCE ALONG SAID EASTERLY LINE OF PARCEL 2 SOUTH 0°23'58" EAST 681.72 FEET TO A POINT ON THE CENTERLINE OF SAID CLINTON KEITH ROAD;

4. THENCE SOUTH 89°39'22" WEST ALONG LAST SAID CENTERLINE 1322.73 FEET TO THE **POINT OF BEGINNING**.

SUBJECT TO COVENANTS, CONDITIONS, RESTRICTIONS, RESERVATIONS, EASEMENTS AND RIGHTS-OF-WAY OF RECORD IF ANY.

SEE EXHIBIT "B" ATTACHED HERETO AND MADE A PART HEREOF.

CONTAINING: 20.767 AC. MORE OR LESS (GROSS), 3.533 AC. MORE OR LESS (ROAD) AND 17.234 AC. MORE OR LESS (NET).

PREPARED BY:

11-21-24

SCOTT M. WILSON DATE
P.L.S. 7434
EXPIRES 12/31/25

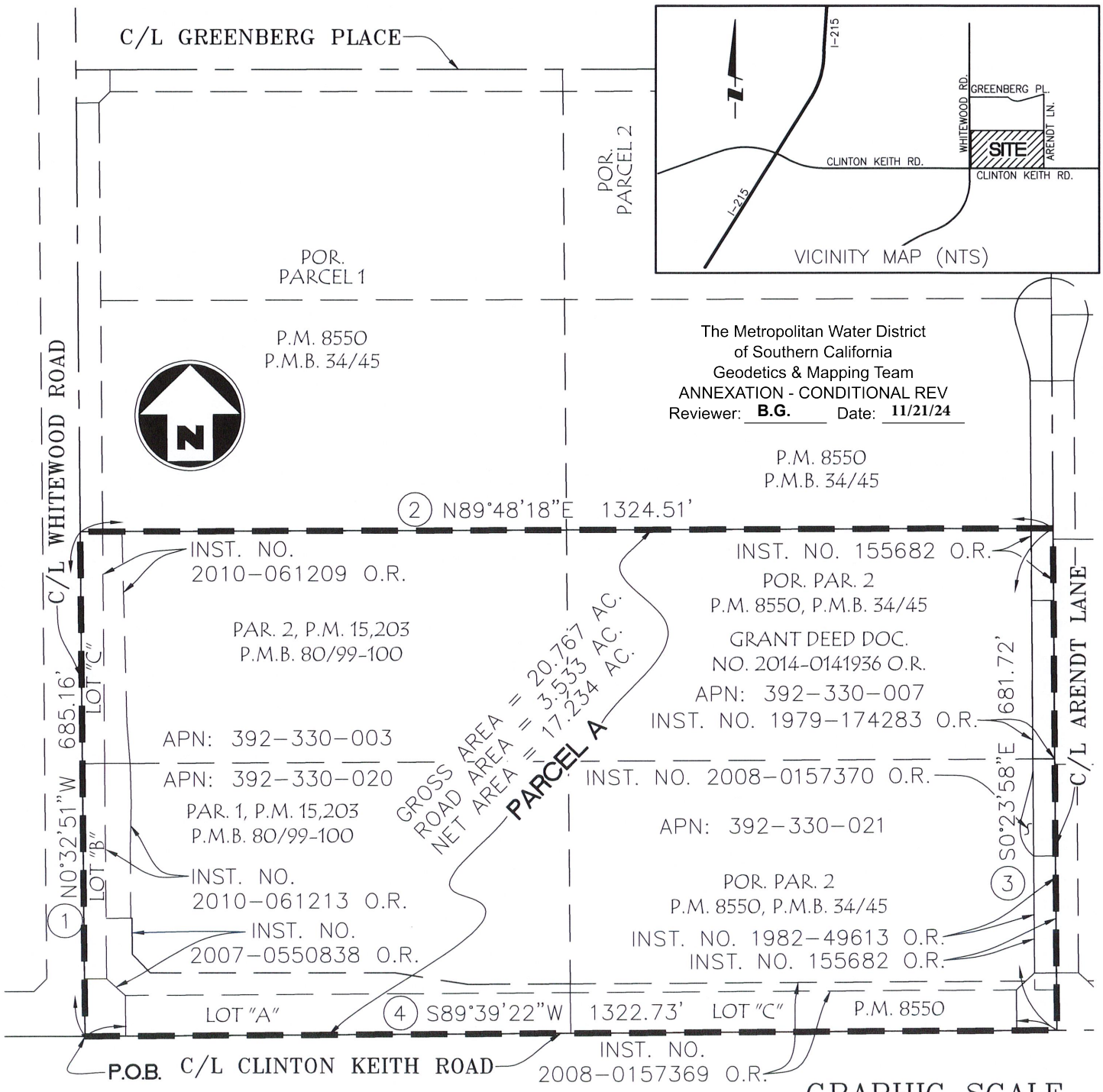
The Metropolitan Water District
of Southern California
Geodetics & Mapping Team
ANNEXATION - CONDITIONAL REV
Reviewer: B.G. Date: 11/21/24

PAGE 1 OF 1

EXHIBIT "B"

EASTERN MUNICIPAL WATER DISTRICT - 117TH FRINGE AREA ANNEXATION

THIS EXHIBIT IS TO BE ATTACHED TO THE LEGAL DESCRIPTION



GRAPHIC SCALE

0 100 200 400

(IN FEET)
1 inch = 200 ft.

PREPARED UNDER THE SUPERVISION OF:

MY LICENSE EXPIRES 12/31/25
SCOTT M. WILSON, P.L.S.

PROFESSIONAL LAND SURVEYOR
SCOTT M. WILSON
No. 7434
Exp. 12/31/25
STATE OF CALIFORNIA

LEGEND:

(#) INDICATES COURSE IN LEGAL DESCRIPTION

ANNEXATION BOUNDARY

\\WMC-FS\SharedData\10417.00\dwg\WHITEWOOD ANNEXATION PLAT\WHITEWOOD ANNEX PLAT-R3.dwg 11/21/24

Documentation for Annexation of Territory to
The Metropolitan Water District of Southern California (MWD)

Water Use Efficiency Compliance Statement

Member Agency Annexation

A. General Information

Description of Annexing Area The subject project is located at northeast corner of Clinton Keith Road and Whitewood Road in Riverside County, within the City of Murrieta. The subject annexation consists of approximately 17 acres, portions of which are developed and undeveloped property.	Member Agency: Eastern Municipal Water District Annexation Name: 117th Fringe Area (Togo, Nguyen, Daryani and Behger) Water Use: Annexing Water Demand: 84.4 AFY Imported Water Demand: 84.4 AFY Percent MWD Supplied: 100% Development Plans: The Project consists of a Development Plan Permit and Tentative Tract Map for a 17.26 -acre site. The Project would provide for development of 243 multi-family residential homes at a density of 15.2 dwelling units per acre (du/ac). The Project also includes construction of an amenity building. The proposed 243 dwelling units comprise 2- and 3-story townhomes. Grading proposed by the Project would result in disturbances to the entirety of the Project site. The property is currently undeveloped. Zoning: Multi-Family Residential MF-2 Address: N/A APN: 392-330-003, 392-330-007, 392-330-020, and 392-330-021 Additional Water Agencies Involved in Annexation: 1. N/A

B. Member Agency Water Use and Efficiency Plans

(1) Annual Water Use.

1. Does your agency minimize annual water demand and peak demands by incorporating water conservation measures throughout the service area? Please describe such conservation measures in the service area. **MWD Administrative Code § 3107 (a)(1)(i)**	Member Agency Response: Yes/No (circle one) Description: EMWD minimizes annual water demand by incorporating water conservation measures into new development plans and service agreements. Since 2009, residential and landscape customers have participated in a budget-based tiered rate program that assigns individualized indoor and outdoor water budgets based on each account's persons per household, landscape area, conservation factor, and billing period. The conservation factor (CF) is a percentage of the reference evapotranspiration (ETo) calculated by the California Irrigation Management Information System (CIMIS) and uses spatial ETo algorithms to assign values specific to the customer's location. The CF used to calculate water budgets depends on the original water meter connection date. Accounts with meters installed on or before 2010 are assigned a CF of at most 0.8; accounts connected between 2010 and May 2015 receive a CF of 0.7; accounts connected on or after June 2015 receive a CF of 0.5. EMWD has measured over 608 million square feet of landscape through onsite audits, Geographic Information Systems (GIS), or customer variance requests. As of January 2018, the daily allocation used to calculate the indoor budget has been reduced from 60 gallons per person per day to 55 gallons per person per day. All water use surpassing the total water budget is charged at a significantly higher rate. All new development must submit a Landscape Plan Check Application and consent to a Landscape Irrigation Water Budget Agreement to ensure that all individually metered landscape/irrigation projects comply with EMWD's landscape requirements. Furthermore, new development must also submit a Site Usage Analysis form that clearly displays the accurate landscape square footage broken down into functional turf and non-functional turf. This information is used to ensure that no account will receive a water budget that exceeds the District's maximum budget limits. In addition to the above, Title 5, Article 6 of EMWD's Administrative Code contains other conservation policies, practices, and procedures. Developers must adhere to State and local plumbing and landscaping codes. All customers are prohibited from hosing down driveways and other hard surfaces except for health or sanitary reasons and then only by use of a hand-held container. Additionally, customers are: • Required to repair faucets, toilets, and other potential sources of water leaks within 48 hours of the occurrence, • Water outdoors between 9 pm and 6 am only and are prohibited from producing run-off or over watering and from watering during rain • Prohibited from allowing water to run while washing vehicles • Prohibited from using decorative fountains unless they are equipped with a recycling system • Limited to no more than 15 minutes of watering per day per station if using an unattended irrigation system or watering device. Penalties for water inefficiency are enforced through the tier rate budgets and through other additional fines. For commercial, multi family, and landscape accounts, such fines include an initial warning, followed by a final written notice, which may then be followed by a surcharge of $100 added to the customer's bill if a third violation occurs

	within 12 months of the first notice. A fourth violation and any subsequent violations could incur an additional $200 surcharge to the customer's water bill. For single family residential accounts, the surcharges are $25 for the third violation, and $50 for the fourth violation and subsequent violations. The revenue derived from the surcharges and other fines explained in Article 6 is used to support water use efficiency programs and rebates. EMWD has initiated a long- term campaign to encourage all customers to use water wisely. A staff of conservation and education specialists provides public education programs, landscape irrigation workshops, student education programs, and conservation related campaigns. EMWD sponsors workshops on California-friendly plants to promote landscaping using drought tolerant plants and has a comprehensive Water Waste Program to report/correct the wasteful use of water. The New Residential Development Campaign is targeted at new residential customers and consists of a welcome letter, a quarterly newsletter containing seasonal tips and ideas for water conservation, and a survey. EMWD's new development conservation programs, including residential water surveys, water-wise landscape/irrigation workshops, high-efficiency washing machine rebates, moisture sensors, CII programs, etc. are offered to all of our customers, including new development and subagencies. In 2019, the District launched its WaterWise Plus program, a comprehensive and forward-thinking program designed to assist customers and partner agencies with finding new and cost-effective ways to become more water efficient. The program integrates existing water use efficiency-based programs with long-term solutions that are promoted regardless of drought conditions. These programs help customers make lifestyle changes to their water use habits resulting in becoming more efficient with their water use, gaining a better understanding of their water usage, and making them better able to manage their monthly bills. In 2021, the District launched its Landscapes for Living program, designed to assist residential customers to become more water efficient. The program integrates home consultations with a landscape expert, free direct installation of smart irrigation controllers and high efficiency nozzles, landscape design assistance, and staff support to assist customers who want to apply for water saving rebates through the MWD. These programs are promoted via bill stuffers, EMWD's website, newspaper articles, and homeowners' association meetings and civic associations, etc. Supporting Documentation: (Attach supporting documents or web links) Administrative Code Article 6 - Water Conservation (pg 365) EMWD Rebate Information
2. Does your service area maximize use of groundwater, local surface water, and recycled waste water supplies to minimize annual water demand on MWD?	Member Agency Response: Yes/No (circle one) Description: EMWD operates storage facilities, groundwater facilities, and promotes conservation to minimize annual water demands on MWD. Currently, EMWD's potable supply

Please describe such maximizing uses in the service area. **MWD Administrative Code § 3107 (a)(1)(ii)**	system includes 79 tanks with over 204 million gallons of storage capacity. Tank levels are adjusted based on demand forecasting, allowing this storage to serve as a buffer against peak demands on MWD's system. The District has also developed significant local supplies to reduce EMWD's need for imported water. EMWD operates 15 potable wells and an additional 15 brackish wells, which provide influent for the District's three operational desalination plants. The District proactively manages its groundwater basins in order to ensure the continued availability of a highly reliable and economic water supply. Efforts include the diversion of surface water (up to 5,760 acre-feet (AF) annually, depending on availability), and a groundwater recharge program. EMWD currently plans to enhance and optimize its groundwater programs with a groundwater banking and storm water capture program along with an indirect potable reuse project. EMWD has initiated a long-term campaign to encourage all customers to use water wisely. EMWD sponsors workshops on California-friendly plants to promote landscaping using drought tolerant plants and has a comprehensive Water Waste Program to report/correct the wasteful use of water. The New Residential Development Campaign is targeted at new residential customers and consists of a welcome letter, a quarterly newsletter containing seasonal tips and ideas for water conservation, and a survey. EMWD's conservation programs, which include residential water surveys, water-wise landscape/irrigation workshops, high-efficiency washing machine rebates, moisture sensors, CII programs, etc., are offered to all of our customers, including new development and subagencies. These programs are promoted via bill stuffers, EMWD's website, newspaper articles, and homeowners' association meetings and civic associations, etc. With grant funding from United States Bureau of Reclamation (USBR), MWD, and CA Department of Water Resources (DWR) Prop 84, EMWD has removed 10.6 Million square feet of non-functional turf. Additionally, EMWD has invested greatly in producing easily accessible educational resources. In partnership with 4 other Inland Empire agencies, EMWD has published a region specific landscape guidebook that takes any Inland Empire resident through each step of creating a water efficient landscape. With chapters such as "Design Inspiration," "How to Garden," "Landscape Elements," and "Design It Yourself," this guidebook was designed to be an all-inclusive workbook for a resident without landscaping experience. EMWD minimizes annual water demand by incorporating water conservation measures into new development plans and service agreements. EMWD enforces local and state landscape ordinances through the use of budget based tiered rates. Since 2009, residential and landscape customers have participated in a budget-based tiered rate program that assigns individualized indoor and outdoor water budgets based on each account's persons per household, landscape area, conservation factor, and billing period. The conservation factor is an ET factor based on the development's connection date that determines what percentage of the reference evapotranspiration rate will be used to calculate the outdoor budget. Evapotranspiration rates are continuously monitored and recorded across EMWD's entire service region and are specific to the customer's location. Effective January 2018, all customer water budgets were lowered to more closely reflect current water efficiency trends and a mix of conventional turf and drought-tolerant landscaping, decreasing from 100 percent to 80 percent ET. Accounts with meters installed on or before 2010 are assigned an ET factor of at

	most 0.8; accounts connected between 2010 and May 2015 receive an ET factor of 0.7; accounts connected on or after June 2015 receive an ET factor of 0.5. EMWD has measured over 608 million square feet of landscape through onsite audits, GIS, or customer variance requests. As of January 2018, the daily allocation used to calculate the indoor budget has been reduced from 60 gallons per person per day to 55 gallons per person per day. All water use surpassing the total water budget is charged at a significantly higher rate. Supporting Documentation: (Attach supporting documents or web links) EMWD Water Wide Landscaping Resources Administrative Code Article 6 - Water Conservation (pg 365) Hemet-San Jacinto Watermaster | Eastern Municipal Water District - EMWD Sustainable Groundwater Management Act | Eastern Municipal Water District - EMWD SGMA Portal - Groundwater Sustainability Plan Annual Report, West San Jacinto Water Budgets and Tiered Rates
3. Does your service area construct and operate local storage and groundwater production facilities as required by California Water Code Sections 10700-10710 (Groundwater Resources)? Please describe such construction and operations in the service area. **MWD Administrative Code § 3107 (a)(1)(iii)**	Member Agency Response: Yes/No (circle one) Description: EMWD has invested significantly in the development of local water supplies. The District currently operates 15 wells producing potable groundwater, with an additional 15 wells that pump brackish groundwater as influent into two reverse osmosis desalination plants. Recycled water is produced from four regional water reclamation facilities that collect wastewater from both EMWD's retail and wholesale service area. EMWD also has a permit allowing the District to divert up to 5,760 AF of San Jacinto River flows annually (when available). Diverted water is captured at the District's Grant Avenue Ponds for the purpose of recharging the local groundwater basin. In 2023, local sources accounted for roughly 54% of EMWD's retail water supply portfolio. This total includes over 7,346 AF of native, potable groundwater, 13,532 AF of desalinated groundwater, and nearly 45,322 AF of recycled water. Future local supply projects that are in various stages of planning and/or construction include: • Groundwater banking and stormwater capture programs (Santa Ana River Conservation and Conjunctive Use Program / Enhanced Recharge and Recovery Program), • An indirect potable reuse project (Purified Water Replenishment), and • A groundwater development project in the Moreno Valley/Perris North area (Perris North Contamination Prevention and Remediation Program). In addition, EMWD is completing an accelerated retrofit program geared towards expanding the availability of recycled water within its service area. Supporting Documentation: (Attach supporting documents or web links) Brochure - Groundwater Management

	Brochure - Sustainability Administrative Code Article 6 – Recycled Water Use (pg 367) Hemet-San Jacinto Watermaster | Eastern Municipal Water District - EMWD Sustainable Groundwater Management Act | Eastern Municipal Water District - EMWD SGMA Portal - Groundwater Sustainability Plan Annual Report, West San Jacinto EMWD Construction Projects
4. Does your agency condition all new territory to be consistent with all applicable city, county, and state laws? **MWD Administrative Code § 3107 (a)(1)(iv)**	Member Agency Response: Yes/No (circle one) Description: EMWD minimizes annual water demand by incorporating water conservation measures into new development plans and service agreements. EMWD enforces local and state landscape ordinances through the use of budget based tiered rates. Since 2009, residential and landscape customers have participated in a budget-based tiered rate program that assigns individualized indoor and outdoor water budgets based on each account's persons per household, landscape area, conservation factor, and billing period. The conservation factor is an ET factor based on the development's connection date that determines what percentage of the reference evapotranspiration rate will be used to calculate the outdoor budget. Evapotranspiration rates are continuously monitored and recorded across EMWD's entire service region and are specific to the customer's location. Effective January 2018, all customer water budgets were lowered to more closely reflect current water efficiency trends and a mix of conventional turf and drought-tolerant landscaping, decreasing from 100 percent to 80 percent ET. Accounts with meters installed on or before 2010 are assigned an ET factor of at most 0.8; accounts connected between 2010 and May 2015 receive an ET factor of 0.7; accounts connected on or after June 2015 receive an ET factor of 0.5. EMWD has measured over 608 million square feet of landscape through onsite audits, GIS, or customer variance requests. As of January 2018, the daily allocation used to calculate the indoor budget has been reduced from 60 gallons per person per day to 55 gallons per person per day. All water use surpassing the total water budget is charged at a significantly higher rate.

(2) Recycled Water.

5. Does your service area use recycled water in accordance with California Water Code Sections 13550-13557 (Water Reuse)? Please describe such recycled water use in the service area. **MWD Administrative Code § 3107 (a)(2)**	Member Agency Response: Yes/No (circle one) Description: EMWD has an extensive recycled water system with integrated supply, conveyance and storage facilities creating four stabilized service zones throughout its service area. The system consists of four operating regional water reclamation facilities producing 49 MGD of recycled water, more than 260 miles of pipeline, 19.5 MG of elevated service level storage, 7,700 AF of seasonal storage pond capacity, 9 pond pump stations and 5 inline

	booster stations. EMWD has over 700 recycled water service connections and regularly selling approximately 30,000 AF of recycled water per year, ranking EMWD among the top water recycling agencies in California. Recycled water customers include agricultural, parks, schools, common area landscape, and environmental. EMWD maintains a Mandatory Use Policy for new development and works closely with land use agencies and the development community to selectively condition new projects. Developments that are serviced by EMWD and meet the Recycled Water Facilities and Service Guidelines adopted by EMWD's Board of Directors as required in Water Code sections 13550 are conditioned for recycled water use and construction of local pipelines thereby expanding the recycled water distribution system. EMWD supports existing potable water landscape customers wishing to retrofit to recycled water through the Accelerated Retrofit Program (ARP). The ARP provides technical design and permitting support, new service connections and funding assistance to help customers complete recycled water retrofits which maintains green recreational areas for our community while reducing the use of valuable imported potable supplies. Supporting Documentation: (Attach supporting documents or web links) EMWD's Recycled Water Service

(3) Local Resources.

6. Has your agency established measures to sustain a seven-to 21-day interruption in service, as required by MWD Administrative Code Section 4503(b)? **MWD Administrative Code § 3107 (a)(3)**	Member Agency Response: Yes/No (circle one) Description: EMWD would be able to sustain a 7-day interruption in service as described in MWD's Administrative Code Section 4503. Significant, mandatory water conservation efforts would be required to sustain a 7-day and 21-day interruption. Such efforts include communication outreach through automated customer service systems as well as our Public and Governmental Affairs Department. EMWD has a diverse portfolio of water supply including 204 MG of elevated storage, 15 brackish and 15 potable active wells, two Microfiltration and three brackish water desalters (with a third under construction). Domestic well production and desalter production capacity exceeds 40 Million Gallons per Day. Supporting Documentation: (Attach supporting documents or web links) Administrative Code Article 10 - Water Shortage Contingency Plan (pg 389) Emergency Preparedness Link Hazard Mitigation Plan

C. Reporting to the District

7. Has your agency incorporated conservation measures in the new territory?	Member Agency Response: Yes/No (circle one) Description:

Please describe such measures. **MWD Administrative Code § 3107(b)(1)**	All new development must submit a Landscape Plan Check Application and consent to a Landscape Irrigation Water Budget Agreement in order to ensure that all individually metered landscape/irrigation projects comply with EMWD's Landscape/Irrigation Ordinance 72. Furthermore, new development must also submit a Site Usage Analysis form that clearly displays the accurate landscape square footage broken down into functional turf and non-functional turf. This information is used to ensure that no account will receive a water budget that exceeds the District's maximum budget limits. In addition to all of the above, Article 6 of EMWD's Administrative Codes puts into action many more conservation policies, practices, and procedures. Developers must adhere to State and local plumbing and landscaping codes. All customers are prohibited from hosing down driveways and other hard surfaces except for health or sanitary reasons and then only by use of a hand-held container. Additionally, customers are: • Required to repair faucets, toilets, and other potential sources of water leaks within 48 hours of the occurrence • Water outdoors between 9 pm and 6 am only and are prohibited from producing run-off or over watering and from watering during rain • Prohibited from allowing water to run while washing vehicles • Prohibited from using decorative fountains unless they are equipped with a recycling system • Limited to no more than 15 minutes of watering per day per station if using an unattended irrigation system or watering device. Penalties for water inefficiency are enforced through the tier rate budgets and through other additional fines. For commercial, multi family, and landscape accounts, such fines include an initial warning, followed by a final written notice, which may then be followed by a surcharge of $100 added to the customer's bill if a third violation occurs within 12 months of the first notice. A fourth violation and any subsequent violations could incur an additional $200 surcharge to the customer's water bill. For single family residential accounts, the surcharges are $25 for the third violation, and $50 for the fourth violation and subsequent violations. The revenue derived from the surcharges and other fines explained in Article 6 is used to support water use efficiency programs and rebates. EMWD has initiated a long-term campaign to encourage all customers to use water wisely. A staff of conservation and education specialists provides public education programs, landscape irrigation workshops, student education programs, and conservation related campaigns. EMWD sponsors workshops on California-friendly plants to promote landscaping using drought tolerant plants and has a comprehensive Water Waste Program to report/correct the wasteful use of water. The New Residential Development Campaign is targeted at new residential customers and consists of a welcome letter, a quarterly newsletter containing seasonal tips and ideas for water conservation, and a survey. EMWD's new development conservation programs, including residential water surveys, water-wise landscape/irrigation workshops, high-efficiency washing machine rebates, moisture sensors, CII programs, etc. are offered to all of our customers, including new development and subagencies. In 2019, the District launched its WaterWise Plus program, a comprehensive and forward-thinking program designed to assist customers and partner agencies with finding new and cost-effective ways to become more water efficient. The program integrates existing water use efficiency-based programs with long-term solutions that are promoted regardless of drought conditions. These programs help customers make lifestyle changes to their water use habits resulting in becoming more efficient with their water use, gaining a better understanding of their water usage, and making them better

	able to manage their monthly bills. In 2021, the District launched its Landscapes for Living program, designed to assist residential customers to become more water efficient. The program integrates home consultations with a landscape expert, free direct installation of smart irrigation controllers and high efficiency nozzles, landscape design assistance, and staff support to assist customers who want to apply for water saving rebates through the MWD. These programs are promoted via bill stuffers, EMWD's website, newspaper articles, and homeowners' association meetings and civic associations, etc. Supporting Documentation: (Attach supporting documents or web links) Administrative Code Article 6 - Water Conservation (pg 365) EMWD Rebate Information
8. What is your agency's total annual production of local water supplies including, but not limited to, recycled water, groundwater, and local surface water use? **MWD Administrative Code § 3107(b)(2)**	Member Agency Response: 66,200 AF Description: During Calendar Year 2023, EMWD produced 66,200 AF of local water through its groundwater, desalter, and recycled water facilities. Form of Documentation: 2020 Urban Water Management Plan (UWMP)
9. Has your agency established resources to sustain a seven-to 21-day interruption in service, as required by MWD Administrative Code Section 4503(b)? Please describe such resources, as applicable to your agency's facilities, as specified in MWD Administrative Code §§ 3107(b)(3). **MWD Administrative Code § 3107(b)(3)**	Member Agency Response: Yes/No (circle one) Description: EMWD would be able to sustain a 7-day interruption in service as described in MWD's Administrative Code Section 4503. Significant, mandatory water conservation efforts would be required to sustain a 7-day and 21-day interruption. Such efforts include communication outreach through automated customer service systems as well as our Public and Governmental Affairs Department. EMWD has a diverse portfolio of water supply including 204 MG of elevated storage, 15 brackish and 15 potable active wells, two Microfiltration and three brackish water desalters. Domestic well production and desalter production capacity exceeds 40 Million Gallons per Day. Form of Documentation: 2020 Urban Water Management Plan (UWMP)
10. Has your agency submitted a current Urban Water Management Plan (UWMP) to the reporting agency? **MWD Administrative Code § 3107(b)(4)(i)**	Member Agency Response: **Yes**/No (circle one) Description: EMWD's 2020 Urban Water Management Plan (UWMP) is an update to the 2015 UWMP and was prepared in response to Water Code Sections 10610 through 10656 of the Urban

	Water Management Planning Act. It was adopted in June 2021 and has been submitted to the reporting agency. Included in the plan is detailed information about EMWD's water demand, supply and reliability for the next 25 years. Form of Documentation: 2020 Urban Water Management Plan (UWMP)
11. Does your agency's most current UWMP include a narrative description addressing the nature and extent of each water demand management measure implemented over the past 5 years, as required by California Water Code Section 10631(f)? **MWD Administrative Code § 3107(b)(4)(ii)**	Member Agency Response: **Yes**/No (circle one) Description: The 2020 Urban Water Management Plan provides a narrative description addressing the nature and extent of each water demand measure implemented over the past 5 years. This includes narratives on EMWD's implementation of the water waste prevention ordinances, metering with commodity rates for all new connections and retrofit of existing connections, public information programs, retail conservation pricing, school education programs, water loss control programs, and all other demand management measures described in Chapter 9 of the 2015 UWMP. EMWD is a member of the California Water Efficiency Partnership (CalWEP) and the Alliance for Water Efficiency (AWE), which supports the implementation of demand management measures and related legislative and regulatory requirements. Form of Documentation: 2020 Urban Water Management Plan (UWMP)
12. Does your agency's most current UWMP adequately address California Water Code requirements? **MWD Administrative Code § 3107(b)(4)(iii)**	Member Agency Response: **Yes**/No (circle one) Description: Chapter 1 of the 2020 Urban Water Management Plan addresses California Water Code requirements. This 2020 UWMP was developed to incorporate all requirements, under the guidance of DWR's 2020 UWMPs Guidebook for Urban Water Suppliers. A checklist to document compliance of this 2020 UWMP with the Act and the CWC is provided in Appendix A. This UWMP includes all required DWR standardized tables within relevant chapters and they are compiled in Appendix B. Within the UWMP chapters, DWR's standardized tables include the DWR assigned table number in the first row of the table. Form of Documentation: Link to the UWMP 2020 Urban Water Management Plan (UWMP)
13. What is the status of implementing the water plans, projects, and programs described in the UWMP to implement California Water Code Section 10620 et seq.? **MWD Administrative Code § 3107(b)(5)**	Member Agency Response: __Active_____ Description: EMWD continues to advance the water supply projects and programs described in Chapter 6 of the 2020 UWMP. EMWD has invested significantly in the development of local water supplies. The District

currently operates 15 wells producing potable groundwater, with an additional 15 wells that pump brackish groundwater as influent into three reverse osmosis desalination plants. Recycled water is produced from four regional water reclamation facilities that collect wastewater from both EMWD's retail and wholesale service area. EMWD also has a permit allowing the District to divert up to 5,760 AF of San Jacinto River flows annually (when available). Diverted water is captured at the District's Grant Avenue Ponds for the purpose of recharging the local groundwater basin.

In 2023, local sources accounted for roughly 54% of EMWD's retail water supply portfolio. This total includes over 7,346 AF of native, potable groundwater, 13,532 AF of desalinated groundwater, and nearly 45,322 AF of recycled water.

Future local supply projects that are in various stages of planning and/or construction include:

- Groundwater banking and stormwater capture programs (Santa Ana River Conservation and Conjunctive Use Program / Enhanced Recharge and Recovery Program),

- An indirect potable reuse project (Purified Water Replenishment), and

- A groundwater development project in the Moreno Valley/Perris North area (Perris North Contamination Prevention and Remediation Program).

In addition, EMWD is completing an accelerated retrofit program geared towards expanding the availability of recycled water within its service area.

EMWD has initiated a long-term campaign to encourage all customers to use water wisely. A staff of conservation and education specialists provides public education programs, landscape irrigation workshops, student education programs, and conservation related campaigns. EMWD sponsors workshops on California-friendly plants to promote landscaping using drought tolerant plants and has a comprehensive Water Waste Program to report/correct the wasteful use of water. The New Residential Development Campaign is targeted at new residential customers and consists of a welcome letter, a quarterly newsletter containing seasonal tips and ideas for water conservation, and a survey. EMWD's new development conservation programs, including residential water surveys, water-wise landscape/irrigation workshops, high-efficiency washing machine rebates, moisture sensors, CII programs, etc. are offered to all of our customers, including new development and subagencies.

In 2019, the District launched its WaterWise Plus program, a comprehensive and forward-thinking program designed to assist customers and partner agencies with finding new and cost-effective ways to become more water efficient. The program integrates existing water use efficiency-based programs with long-term solutions that are promoted regardless of drought conditions. These programs help customers make lifestyle changes to their water use habits resulting in becoming more efficient with their water use, gaining a better understanding of their water usage, and making them better able to manage their monthly bills.

In 2021, the District launched its Landscapes for Living program, designed to assist residential customers to become more water efficient. The program integrates home

	consultations with a landscape expert, free direct installation of smart irrigation controllers and high efficiency nozzles, landscape design assistance, and staff support to assist customers who want to apply for water saving rebates through the MWD. These programs are promoted via bill stuffers, EMWD's website, newspaper articles, and homeowners' association meetings and civic associations, etc. Form of Documentation: 2020 Urban Water Management Plan (UWMP)

MWD

MWD Employee Name: _____ File Date: _____

MWD Employee Name: Marcelo Alvarez Review Date: Nov 27, 2024

Notes:

MWD Member Agency

The following member agency assures compliance with the provisions of Metropolitan's Water Use Efficiency Guidelines for the next five years as indicated in Metropolitan's Administrative Code § 3107 and shall report to Metropolitan regarding such compliance.

Agency Name: Eastern Municipal Water District Date: 11/27/2024

Member Agency Representative Name: Joe Mouawad, P.E., General Manager

Notes:

RESOLUTION _____

RESOLUTION OF THE BOARD OF DIRECTORS OF THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA CONSENTING TO EASTERN MUNICIPAL WATER DISTRICT'S 117th FRINGE AREA ANNEXATION AND FIXING THE TERMS AND CONDITIONS OF THE ANNEXATION TO THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

WHEREAS, the Board of Directors of the Eastern Municipal Water District (EMWD), a county water authority situated in the county of Riverside, state of California, pursuant to Resolution No. 2024-084, in accordance with the provisions of the Metropolitan Water District Act (MWD Act), has applied to the Board of Directors of The Metropolitan Water District of Southern California (Metropolitan) for consent to annex thereto certain uninhabited territory situated in the county of Riverside referred to as 117th Fringe Area Annexation, more particularly described in an application to the Riverside County Local Agency Formation Commission (LAFCO), concurrently with 117th Fringe Area Annexation thereof to EMWD, such annexation to Metropolitan to be upon such terms and conditions as may be fixed by the Board of Directors of Metropolitan;

WHEREAS, the property owner of the proposed annexing parcel, which is located within the city of Murrieta in Riverside County, Assessor Parcel Numbers 392-330-003, 392-330-007, 392-330-020, and 392-330-021 (Property), has applied for annexation into the EMWD and Metropolitan service areas;

WHEREAS, completion of said 117th Fringe Area Annexation shall be contingent upon approval by the LAFCO;

WHEREAS, Metropolitan requests that LAFCO condition its approval of 117th Fringe Area Annexation upon a requirement that Metropolitan's existing and established taxes, benefit assessments, or property-related fees or charges in place in the service area are levied or fixed and collected on the parcels being annexed to the agency; these taxes, benefit assessments, or property-related fees or charges are identified below;

WHEREAS, Metropolitan has levied and collected ad valorem taxes on parcels within the territory of EMWD. Such charges for fiscal year 2024/25 are described in Resolution 9361, adopted by Metropolitan's Board on August 20, 2024;

WHEREAS, since fiscal year 1992/93, Metropolitan has levied and collected water standby charges pursuant to Section 134.5 of the MWD Act on parcels within the territory of EMWD. Such charges for fiscal year 2024/25 are described in Resolution 9357, adopted by Metropolitan's Board on May 14, 2024;

WHEREAS, upon 117th Fringe Area Annexation, the parcel will be within Metropolitan's service area, Metropolitan water will be available to such parcels and such parcels will receive the benefit of the projects provided in part with proceeds of Metropolitan's water standby charges; and

WHEREAS, pursuant to the provisions of the California Environmental Quality Act (CEQA), EMWD, City of Murrieta acting as Lead Agency and sub-member agency to EMWD, certified and approved the Murrieta General Plan EIR on July 19, 2011, and the Initial Study to the EIR (also known as 117th Fringe Area Annexation - Oak Crest Townhomes Project) on July 24, 2024, and approved the Project for the development of the proposed annexation parcels. Metropolitan, as Responsible Agency under CEQA, reviewed and considered the information contained in the EIR and Initial Study prior to approval of the formal terms and conditions for the 117th Fringe Area Annexation; and

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of Metropolitan, acting as Responsible Agency, reviewed and considered the information in the EIR and Initial Study prior to approval of the final terms and conditions for the 117th Fringe Area Annexation; and subject to the following terms and conditions, does hereby grant the application of the governing body of EMWD for consent to annex 117th Fringe Area Annexation, to Metropolitan and does hereby fix the terms and conditions of such annexation.

Section 1. Annexation of said area to EMWD shall be made concurrently with annexation thereof to Metropolitan, and all necessary certificates, statements, maps, and other documents required to be filed by or on behalf of EMWD to effectuate 117th Fringe Area Annexation shall be filed on or before December 31, 2027.

Section 2. Prior to filing a request for a Certificate of Completion of 117th Fringe Area Annexation proceeding with LAFCO, EMWD shall submit a certified copy of LAFCO's resolution approving 117th Fringe Area Annexation to EMWD and shall pay to Metropolitan $147,439.01 for its annexation fee if annexation is completed by December 31, 2025. If the annexation is completed during the 2026 calendar year, the annexation charge will be calculated based on the then-current rate, in accordance with Metropolitan's Administrative Code Section 3300.

Section 3. a. Metropolitan shall be under no obligation to provide, construct, operate, or maintain feeder pipelines, structures, connections, and other facilities required for the delivery of water to said area from works owned and operated by Metropolitan.

b. EMWD shall not be entitled to demand that Metropolitan deliver water to EMWD for use, directly or indirectly, within said area, except for domestic or municipal use therein.

c. The delivery of all water by Metropolitan, regardless of the nature and time of use of such water, shall be subject to the water service regulations, including rates and charges promulgated from time to time by Metropolitan.

d. Except upon the terms and conditions specifically approved by the Board of Directors of Metropolitan, water sold and delivered by Metropolitan shall not be used in any manner which intentionally or avoidably results in the direct or indirect benefit of areas outside Metropolitan, including use of such water outside Metropolitan or use thereof within Metropolitan in substitution for other water outside Metropolitan.

Section 4. LAFCO has conditioned approval of the 117th Fringe Area Annexation upon a requirement that Metropolitan levy or fix and collect all previously established and collected taxes, benefit assessments, or property-related fees or charges on parcels being annexed to the agency.

Section 5. Such charges, which are subject to change over time, include but are not limited to:

a. Metropolitan's ad valorem tax on properties located within the territory of EMWD is in the amount of 0.007 percent of the assessed value of each parcel. Metropolitan shall levy the ad valorem tax in the amount, at the same time and in the same manner as the ad valorem tax on other properties located within the territory of EMWD. Such charges for fiscal year 2024/25 are described in Resolution 9361, adopted by Metropolitan's Board on August 20, 2024.

b. Metropolitan's water standby charge on properties located within the territory of EMWD in the amount of $6.94 per an acre, or per a parcel of less than one acre. Metropolitan shall levy the water standby charge in the amount, at the same time and in the same manner as the water standby charge on other properties located within the territory of EMWD. Such charges for fiscal year 2024/25 are described in Resolution 9357, adopted by Metropolitan's Board on May 14, 2024.

Section 6. That the General Manager is hereby authorized and directed to take all necessary action to secure the collection of the ad valorem taxes and water standby charges by the appropriate county officials, including payment of the reasonable cost of collection.

Section 7. That the Board of Directors of Metropolitan, acting as Responsible Agency, reviewed and considered the information in the 2011 EIR and 2024 Initial Study prior to approval of the final terms and conditions for the 117th Fringe Area Annexation; and subject to the following terms and conditions, does hereby grant the application of the governing body of EMWD for consent to annex the 117th Fringe Area Annexation to Metropolitan and does hereby fix the terms and conditions of such annexation.

Section 8. That the General Manager and General Counsel are hereby authorized to do all things necessary and desirable to accomplish the purposes of this resolution, including, without limitation, the commencement of defense of litigation.

Section 9. That if any provision of this resolution or the application to any member agency, property or person whatsoever is held invalid, that invalidity shall not affect the other provisions or applications of this resolution which can be given effect without the invalid portion or application, and to that end the provisions of this resolution are severable.

BE IT FURTHER RESOLVED that the Board Executive Secretary is directed to transmit forthwith to the governing body of EMWD a certified copy of this resolution.

I HEREBY CERTIFY that the foregoing is a full, true, and correct copy of a resolution adopted by the Board of Directors of The Metropolitan Water District of Southern California, at its meeting held on February 11, 2025.

_____

Secretary of the Board of Directors
of The Metropolitan Water District
of Southern California

NOTICE OF DETERMINATION

Date: July 21, 2011

To: X Office of Planning and Research
1400 Tenth Street
Sacramento, CA 95814

X County Clerk
County of Riverside
2720 Gateway Drive
Riverside, CA 92507

From: City of Murrieta
1 Town Square
Murrieta, California 92562

FILED
RIVERSIDE COUNTY
JUL 21 2011
LARRY W. WARD, CLERK
By M. Meyer

Subject: Filing of Notice of Determination in compliance with Public Resources Code Section 21108 or 21152.

Project Title: Murrieta General Plan 2035

Project Applicant: City of Murrieta

State Clearinghouse Number: 2010111084

Lead Agency: City of Murrieta

Lead Agency Contact: Mr. Greg Smith, Associate Planner, 951-461-6064

COUNTY CLERK
Neg Declaration/Ntc Determination
Filed per P.R.C. 21152
POSTED
JUL 21 2011
Removed:
By:
County of Riverside, State of California Dept.

PROJECT LOCATION: The City of Murrieta is located in southeastern Riverside County, and is comprised of 26,852 acres (41.96 square miles) of which 21,511 acres (33.61 square miles) is located within the City Limits and 5,341 acres (8.34 square miles) is located within the City's Sphere of Influence. Surrounding cities include Menifee to the north, Temecula to the south and east, Wildomar to the west, and unincorporated Riverside County to the north, south, and east. The San Diego County border is just south of Temecula, and Orange County lies on the other side of the Santa Ana Mountains to the west. Regional access to the City is provided by the Interstates 15 and 215.

PROJECT DESCRIPTION: The General Plan 2035 is a comprehensive update of the 1994 General Plan, which includes an update of existing elements, as well as the addition of two elements. The General Plan 2035 comprises the following State mandated and optional elements: Land Use; Economic Development; Circulation; Healthy Community; Conservation; Recreation and Open Space; Air Quality; Noise; and Safety. The Housing Element is being updated in a separate process. In addition, a Climate Action Plan (CAP) is being prepared. The CAP is an implementing action of the General Plan 2035 that describes measures intended to reduce greenhouse emissions within City operations and the community at-large.

Major components of the General Plan 2035 include:

- Update of existing conditions, with year 2009 serving as the baseline year.
- Update of General Plan development projections to the year 2035. Projections for population, residential, and non-residential development have been updated for the projected horizon year.
- Additions, deletions, or modifications to the 1994 General Plan goals, policies, and implementation.
- Update the Land Use Element with reorganized and new land use designations.
- Amendment of the remaining General Plan Elements to reflect current conditions and account for development projections to year 2035.

Focus Areas

In addition to the basic statutory requirements, the General Plan 2035 will focus on guiding the development of vacant land, specifically focusing on opportunities for economic development. Before starting the General Plan 2035, the Murrieta City Council identified economic development as the City's top priority. To achieve this vision, the City seeks to encourage private sector investment in the creation of higher paying jobs, generating income, and wealth through economic diversification. The City is focusing its efforts to attract a variety of businesses and industries, higher educational institutions, and health care facilities. A full range of quality new development will be part of this effort, including retail centers, corporate/technology parks, hotels, and upscale restaurants.

The General Plan 2035 aligns City policy with this emphasis on economic development by directing public investments in infrastructure and promoting the development of shovel-ready sites. It targets key locations for changes in land use and zoning that support the development of medical, educational, commercial, and business clusters. The General Plan 2035 identifies the following seven Focus Areas:

- North Murrieta Business Corridor – land use change
- Clinton Keith/Mitchell Area – land use change
- Golden Triangle North (Central Murrieta) – land use change
- South Murrieta Business Corridor – land use change
- Multiple Use Area 3 (MU-3) – land use change
- Historic Murrieta Specific Plan – no land use change; policy change only
- Los Alamos Hills – no land use change, policy change only

Although some growth is anticipated within the Historic Murrieta Specific Plan and Los Alamos Hills focus areas, no land use changes are proposed with the General Plan 2035. The remaining five focus areas have been targeted for land use change. These areas include key locations along freeway corridors that are suitable for major land development and redevelopment to carry out the City Council's economic development strategy, including areas around Loma Linda University Medical Center-Murrieta and the Murrieta Education Center. They also include rural residential areas north of Clinton Keith Road that are adjacent to major new development along I-215.

Projected Growth with General Plan 2035

The General Plan 2035 anticipates that most of the growth would occur within the focus areas. The anticipated growth in residential and non-residential uses over year 2009 conditions is:

- Addition of 3,346 dwelling units
- Addition of 21,156,784 square feet of non-residential uses

The non-residential uses include:

- Addition of 2,685,023 square feet of business park uses
- Addition of 14,807,287 square feet of professional and office uses
- Addition of 3,662,446 square feet of commercial uses
- Addition of 2,028 square feet of civic and institutional uses

Although the General Plan 2035 focuses growth within the Focus Areas, it is anticipated that additional growth would occur within the City outside of these areas. Citywide growth, including the Focus Areas, is anticipated as follows:

- Addition of 10,734 dwelling units
- Addition of 36,210,757 square feet of non-residential uses

In total, these efforts are anticipated to result in following scenario at buildout:

- 44,484 residential dwelling units; and
- 50,189,652 square feet of non-residential uses.

IDENTIFICATION OF SIGNIFICANT ENVIRONMENTAL IMPACTS: Traffic and Circulation, Air Quality, Noise, and Parks and Recreation

STATEMENT OF WHETHER THE PROJECT AREA INCLUDES LISTED TOXIC SITES (PRESENCE OF ANY HAZARDOUS WASTE SITES): Yes

This is to advise that the City of Murrieta [☒ Lead Agency ☐ Responsible Agency] has:

A. Approved the above-described project on July 19, 2011 with the following actions:

1. Adoption of the Murrieta General Plan 2035, and

2. Adoption of a Climate Action Plan.

and

B. Made the following determinations regarding the above-described project:

1. The project [☒ will ☐ will not] have a significant effect on the environment.

2. ☒ An Environmental Impact Report was prepared and certified for this project pursuant to the provisions of CEQA.
   ☐ A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.

3. Mitigation measures [☒ were ☐ were not] made a condition of the approval of the project.

4. A Statement of Overriding Considerations [☒ was ☐ was not] adopted for this project.

5. Findings [☒ were ☐were not] made pursuant to the provisions of CEQA.

This is to certify that the Environmental Impact Report with comments and responses and record of project approval is available to the General Public at the:

City of Murrieta
Community Development Department
1 Town Square
Murrieta, California 92562

Murrieta Public Library
8 Town Square
Murrieta, California 92562

Mr. Greg Smith
Associate Planner

STATE OF CALIFORNIA - THE RESOURCES AGENCY
DEPARTMENT OF FISH AND GAME

ENVIRONMENTAL FILING FEE CASH RECEIPT

Receipt #: 201100605

State Clearinghouse # (if applicable): 2010111084

Lead Agency: CITY OF MURRIETA *Date:* 07/21/2011

County Agency of Filing: Riverside *Document No:* 201100605

Project Title: MURRIETA GENERAL PLAN 2035

Project Applicant Name: CITY OF MURRIETA *Phone Number:*

Project Applicant Address: 1 TOWN SQUARE 24601 JEFFERSON AVE MURRIETA CA 29562

Project Applicant: Local Public Agency

CHECK APPLICABLE FEES:

☒ *Environmental Impact Report*	2839.25
☐ *Negative Declaration*	
☐ *Application Fee Water Diversion (State Water Resources Control Board Only)*	
☐ *Project Subject to Certified Regulatory Programs*	
☒ *County Administration Fee*	$64.00
☐ *Project that is exempt from fees (DFG No Effect Determination (Form Attached))*	
☐ *Project that is exempt from fees (Notice of Exemption)*	
Total Received	2903.25

Signature and title of person receiving payment:

07/21/2011 03:27PM

RECEIPT # 3242049

Larry W. Ward
Riverside County
Clerk and Recorder
2724 Gateway Drive
Riverside, CA 92507
(951)486-7000
www.RiversideACR.com

FROM : F&G 2011 000605
BY : MANEVER

FISH FISH & GAME 2903.25

TOTAL FEE ----------> 2903.25
AMOUNT (Check) RECEIVED ----------> 2903.25
CHANGE ----------> 0.00

1 Check Received
Check #94749

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FINAL

the future of southern california
Murrieta
General Plan Update

Environmental Impact Report

July 2011

RBF CONSULTING

FINAL
ENVIRONMENTAL IMPACT REPORT

MURRIETA GENERAL PLAN 2035

SCH NO. 2010111084

Lead Agency:

CITY OF MURRIETA
1 Town Square
24601 Jefferson Avenue
Murrieta, California 92562
Contact:
Mr. Greg Smith, Associate Planner
951.461.6064

Prepared by:

RBF CONSULTING
14725 Alton Parkway
Irvine, California 92618-2069
Contact: Ms. Collette L. Morse AICP
949.472.3505

Certified July 19, 2011

JN 10-106976

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CD Containing:

1) Final General Plan 2035
2) Final General Plan 2035 Environmental Impact Report
3) General Plan 2035 and General Plan 2035 Environmental Impact Report Technical Appendices

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the future of southern california
Murrieta
General Plan Update

Section 1.0:
Executive Summary

1.0 EXECUTIVE SUMMARY

1.1 PROJECT LOCATION

The City of Murrieta is located in southeastern Riverside County, and is comprised of 26,852 acres (41.96 square miles) of which 21,511 acres (33.61 square miles) is located within the City Limits and 5,341 acres (8.34 square miles) is located within the City's Sphere of Influence. Surrounding cities include Menifee to the north, Temecula to the south and east, Wildomar to the west, and unincorporated Riverside County to the north, south, and east. The San Diego County border is just south of Temecula, and Orange County lies on the other side of the Santa Ana Mountains to the west. Regional access to the City is provided by the Interstates 15 and 215.

1.2 PROJECT SUMMARY

The General Plan 2035 is a comprehensive update of the 1994 General Plan, which includes an update of existing elements, as well as the addition of two elements. The General Plan 2035 comprises the following State mandated and optional elements: Land Use; Economic Development; Circulation; Healthy Community; Conservation; Recreation and Open Space; Air Quality; Noise; and Safety. The Housing Element is being updated in a separate process. In addition, a Climate Action Plan (CAP) is being prepared. The CAP is an implementing action of the General Plan 2035 that describes measures intended to reduce greenhouse emissions within City operations and the community at-large.

Major components of the General Plan 2035 include:

- Update of existing conditions, with year 2009 serving as the baseline year.
- Update of General Plan development projections to the year 2035. Projections for population, residential, and non-residential development have been updated for the projected horizon year.
- Additions, deletions, or modifications to the 1994 General Plan goals, policies, and implementation.
- Update the Land Use Element with reorganized and new land use designations.
- Amendment of the remaining General Plan Elements to reflect current conditions and account for development projections to year 2035.

Before starting the General Plan 2035, the Murrieta City Council identified economic development as the City's top priority. To support that priority, the City Council established a Comprehensive Development Strategy presenting the 20-year vision that Murrieta will be a diversified business hub for Southwest Riverside County and North San Diego County.

The General Plan 2035 presented an opportunity to get the community involved in setting direction for Murrieta. Workshops, surveys, and other participation opportunities during the planning process prompted community members to articulate their hopes for the future, provide direction on land use, suggest goals, and review draft documents. This community input was translated into the following ten community priorities that describe the vision that members of the public provided for the future of their community, which guided the goals and policies in the General Plan.

Natural Environment	*Protect the natural beauty of the mountains, hills, and waterways.*
Rural Areas	*Preserve elements of Murrieta's rural heritage.*
Community Character	*Protect and foster a strong sense of community and safety, as well as the "small town" feeling.*
Recreation and Culture	*Provide abundant parks and facilities for recreational activities, and cultural amenities.*
Historic Downtown Murrieta	*Create a vibrant, prosperous Historic Downtown that serves as a community center and provides a variety of quality shopping and dining experiences.*
Governance	*Promote community involvement and provide for a fiscally sound future.*
Sustainable Economy	*Pursue economic vitality and longevity by attracting higher education and growing a base of clean industry, while maintaining the current housing affordability.*
Transportation	*Improve roadway networks to reduce traffic, and provide a citywide system of bicycle lanes and recreational trails that improve accessibility without a car.*
Infrastructure and Services	*Improve health care within the City, and continue to provide excellent school, police, fire, library, and recreation services.*
Youth Amenities	*Provide ample activities for all ages of youth, and jobs for teens.*

PROJECTED LAND USE GROWTH

Table 1-1, *Focus Area Land Use Projections*, provides a summary of the growth over existing conditions that would occur within each Focus Area with the General Plan 2035.

Table 1-1
Focus Area Land Use Projections

Focus Area	Acres	Residential	Commercial	Professional and Office	Business Park	Industrial	Civic/ Institutional
North Murrieta Business Corridor	816.21		1,672,846	7,666,185			
Clinton Keith/Mitchell	279.56	869	265,155	1,045,404			
Golden Triangle North	218.16		244,872	2,193,678			
South Murrieta Business Corridor	580.49			3,216,582	2,393,221		
Multiple Use 3 (MU-3)	201.34	1,137	800,710	434,336	291,802		2,028
Historic Murrieta Specific Plan	250.00	512	521,413	251,102			
Los Alamos	TBD	828	157,453				
Total		**3,346**	**3,662,446**	**14,807,287**	**2,685,023**	**0**	**2,028**

The General Plan 2035 anticipates that most of the growth would occur within the focus areas. The anticipated growth in residential and non-residential uses over year 2009 conditions is:

- Addition of 3,346 dwelling units
- Addition of 21,156,784 square feet of non-residential uses

The non-residential uses include:

- Addition of 2,685,023 square feet of business park uses
- Addition of 14,807,287 square feet of professional and office uses
- Addition of 3,662,446 square feet of commercial uses
- Addition of 2,028 square feet of civic and institutional uses

Although the General Plan 2035 focuses growth within the Focus Areas, it is anticipated that additional growth would occur within the City outside of these areas. Citywide growth, including the Focus Areas, is anticipated as follows:

- Addition of 10,734 dwelling units
- Addition of 36,210,757 square feet of non-residential uses

Table 1-2, *General Plan 2035 Buildout*, provides a summary of the anticipated development conditions through buildout. The values include the additional growth anticipated with the General Plan 2035, as presented in *Table 1-1*.

Table 1-2
General Plan 2035 Buildout

Land Use Designations	Acres	Dwelling Units	Square Feet
Residential			
Large Lot Residential	3,126.87	977	
Single-Family Residential	6,517.17	31,581	
Multiple-Family Residential	611.20	11,379	100,000
Non-Residential			
Commercial	1,354.34		18,683,477
Office and Research Park	1,357.63		16,465,371
Business Park	823.40		11,403,714
Industrial	108.69		1,498,300
Civic/Institutional	999.14		1,168,369
Mixed Use	42.70		853,913
Parks and Open Space	3,220.85		16,508
Roads	3,348.89		
Total	**21,510.68**	**44,484**	**50,189,652**

In total, these efforts are anticipated to result in following scenario at buildout:

- 44,484 residential dwelling units; and
- 50,189,652 square feet of non-residential uses.

1.3 PROJECT OBJECTIVES

The City of Murrieta's objectives for the General Plan 2035 are as follows:

- Focus policy direction on economic development and establishing the City as a diversified and strong economic base.
- Provide new goals and policies to address future development and growth within the City.
- Provide comprehensive and concise land use designations that better reflect the land use vision for the City.
- Update the City's environmental baseline (i.e., existing) conditions to the year 2009.
- Update the General Plan development projections for the year 2035, including projections for dwelling units, non-residential square footage, population, and employment.
- Provide goals and policies to address the connections between health and the physical, social, and economic environment.

- Incorporate sustainability goals and policies to balance current demands with future demands as they pertain to the environment, economy, and social equity.

- Provide a basis for informative decisions when considering the 2035 development associated with implementation of the General Plan in the City of Murrieta

- Conform with *CEQA* Section 21000 et seq., which requires that environmental impacts be addressed and mitigated.

- Provide a legally defensible environmental foundation upon which discretionary actions may be evaluated.

1.4 PROJECT IMPACTS

The City of Murrieta determined that a Program EIR should be prepared pursuant to the *California Environmental Quality Act* (*CEQA*) and the *CEQA Guidelines*. The environmental issues identified by the City for assessment in the Program EIR include:

- Land Use
- Population, Employment, and Housing
- Aesthetics
- Traffic and Circulation
- Air Quality
- Greenhouse Gas Emissions
- Noise
- Geology and Seismic Hazards
- Cultural Resources
- Biological Resources
- Agricultural Resources
- Mineral Resources
- Hydrology, Drainage, and Water Quality
- Hazards and Hazardous Materials
- Water Supply
- Wastewater
- Fire Protection
- Police Protection
- School Facilities
- Parks and Recreational Facilities
- Solid Waste
- Electricity and Natural Gas

Section 5.0, Environmental Analysis, of this Program EIR provides a description of potential environmental impacts of the proposed General Plan 2035 and recommends mitigation measures to reduce impacts to a less than significant level, where feasible. After implementation of General Plan 2035 goals and policies and the recommended mitigation measures, most of the significant or potentially significant impacts associated with implementation of the proposed General Plan 2035 would be reduced to a less than significant level. However, the impacts listed below could not be feasibly mitigated and would result in a significant unavoidable impacts associated with implementation of the proposed General Plan 2035.

TRAFFIC AND CIRCULATION

- **Roadway Segments (Project and Cumulative Impacts).** Even with installation of the recommended improvements, implementation of the proposed General Plan 2035 would result in unacceptable levels of service on the roadway segments shown as LOS D in green, LOS E in yellow, and LOS F in red on *Exhibit 5.4-14*. Thus, impacts are concluded to be significant unavoidable impacts for the roadway segments shown as LOS D, LOS E, and LOS F on *Exhibit 5.4-14*.

- **Intersections (Project and Cumulative Impacts).** Even with implementation of the enhanced geometrics, the following 16 intersections are projected to operate at levels of service that do not meet the City's standards, and thus result in a significant unavoidable significant impact.

  - Intersection 1: Menifee Road / Scott Road
  - Intersection 3: Winchester Road – SR-79 / Scott Road
  - Intersection 4: Antelope Road / Keller Road
  - Intersection 9: Antelope Road / Golden City Drive – Baxter Road
  - Intersection 10: Whitewood – Meadowlark / Golden City Dr – Baxter Road
  - Intersection 18: California Oaks Road / Clinton Keith Road
  - Intersection 20: I-215 NB Off-Ramp / Clinton Keith Road
  - Intersection 22: Meadowlark – Whitewood Road / Clinton Keith Road
  - Intersection 25: Winchester Road – SR-79 / Clinton Keith Road – Benton Road
  - Intersection 28: Jefferson Avenue / Murrieta Hot Springs Road
  - Intersection 44: Jefferson Avenue / Kalmia St
  - Intersection 52: Winchester Road (SR-79) / Murrieta Hot Springs Road
  - Intersection 53: Hancock Avenue / Los Alamos Road
  - Intersection 54: I-215 SB Ramps / Los Alamos Road
  - Intersection 57: Whitewood Road / Murrieta Hot Springs Road
  - Intersection 59: Nutmeg Street / Clinton Keith Road

AIR QUALITY

- Short-Term Construction Emissions
- Long-Term Mobile and Stationary Source Emissions
- Cumulative Short-Term Construction Emissions Impacts
- Cumulative Long-Term Mobile and Stationary Source Emissions

NOISE

- Cumulative Long-Term Operational Noise Impacts

PARKS AND RECREATION FACILITIES

- Parks and Recreational Facilities – Project and Cumulative Impacts

1.5 SUMMARY OF PROJECT ALTERNATIVES

Section 6.0, Alternatives, analyzes three reasonable alternatives to the proposed General Plan 2035, and evaluates the comparative merits of each alternative. Potential environmental impacts associated with the alternatives are compared to the impacts of the proposed General Plan 2035. The alternatives include: No Project/Existing General Plan; Scenario A Alternative, and Scenario B Alternative.

No Project/Existing General Plan Alternative. As required by *CEQA Guidelines* Section 15126.6 (e), the No Project/Existing General Plan Alternative describes buildout of the City of Murrieta in accordance with existing zoning and General Plan land use designations and policies of the current General Plan, which was adopted in 1994 with amendments in 2006. This Alternative assumes that the existing General Plan would continue to provide outdated information regarding several issues, such as land uses, traffic conditions, community noise levels, air quality data, public services and utilities levels of service, and population, employment and housing.

Scenario A Alternative. The Scenario A Alternative assumes that the proposed General Plan 2035, including all goals and policies would be adopted; however, the land use plan within the Clinton Keith/Mitchell, North Murrieta Business Corridor, and Multiple Use Area 3 (MU-3) Focus Areas would provide for greater residential dwelling units and less non-residential square footage when compared to the proposed General Plan 2035. Citywide growth and anticipated growth within the remaining Focus Areas would be the same for both the Scenario A Alternative and the proposed General Plan 2035.

The anticipated growth over existing conditions within the Focus Areas with the Scenario A Alternative would be:

- 10,890 dwelling units; and
- 18,333,890 square feet of non-residential uses.

When compared to the proposed General Plan 2035, the Scenario A Alternative would result in the following within the Focus Areas:

- 7,544 more dwelling units; and
- 2,822,894 fewer square feet of non-residential uses.

Scenario B Alternative. The Scenario B Alternative assumes that the proposed General Plan 2035, including all goals and policies would be adopted; however, the land use plan within the Clinton Keith/Mitchell and North Murrieta Business Corridor Focus Areas would provide for greater residential dwelling units and less non-residential square footage when compared to the proposed General Plan 2035. Citywide growth and anticipated growth within the remaining Focus Areas would be the same for both the Scenario B Alternative and the proposed General Plan 2035.

The anticipated growth over existing conditions within the Focus Areas with the Scenario B Alternative would be:

- 10,835 dwelling units; and
- 18,149,507 square feet of non-residential uses.

When compared to the proposed General Plan 2035, the Scenario B Alternative would result in the following within the Focus Areas:

- 7,489 more dwelling units; and
- 3,007,277 fewer square feet of non-residential uses.

After evaluation and analysis of the alternatives, Section 6.5 identifies the environmentally superior alternative as the Scenario A Alternative.

1.6 SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
LAND USE				
Land Use Compatibility				
Implementation of the proposed General Plan 2035 could disrupt or physically divide an established community.	Less Than Significant Impact.	LAND USE ELEMENT Goal LU-3 Policies LU-3.2 LU-3.3 LU-3.5 Goal LU-8 Policies LU-8.3 LU-8.4 Goal LU-15 Policies LU-15.1 LU-15.2 LU-15.3 LU-15.4 Goal LU-18 Policies LU-18.1 LU-18.2 LU-18.4 Goal LU-26 Policies LU-26.1 LU-26.2 Goal LU-27 Policies LU-27.1	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Federal and State Land Use Plans, Policies, or Regulations				
Implementation of the proposed General Plan 2035 could result in potential inconsistency impacts with Federal and State regulations.	Less Than Significant Impact.	CIRCULATION ELEMENT Goal CIR-1 Policies CIR-1.4 CIR-1.11 Goal CIR-5 Policies CIR-5.9 CIR-5.10 CIR-5.11 Goal CIR-6 Policies	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		CIR-6.1 CIR-6.2 CIR-6.3 CIR-6.4 CIR-6.5 CIR-6.6 CIR-6.7 CIR-6.11 CIR-6.13 Goal CIR-8 Policies CIR-8.1 CONSERVATION ELEMENT Goal CSV-1 Policies CSV-1.3 Goal CSV-3 Policies CSV-3.1 CSV-3.2 CSV-3.3 CSV-3.5 Goal CSV-4 Policies CSV-4.1 CSV-4.2 CSV-4.3 CSV-4.4 CSV-4.5 CSV-4.6 Goal CSV-8 Policies CSV-8.1 CSV-8.2 CSV-8.3 CSV-8.4 CSV-8.5 CSV-8.6 CSV-8.7 AIR QUALITY ELEMENT Goal AQ-1 Policies AQ-1.1 AQ-1.2 AQ-1.3 AQ-1.4 AQ-1.5 Goal AQ-3		

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		Policies AQ-3.1 AQ-3.2 AQ-3.3 AQ-3.4 Goal AQ-4 Policies AQ-4.1 AQ-4.2 AQ-4.3 AQ-4.4 Goal AQ-5 Policies AQ-5.1 AQ-5.2 AQ-5.3 AQ-5.4 AQ-5.5 AQ-5.6 AQ-5.7 Goal AQ-6 Policies AQ-6.1 AQ-6.2 AQ-6.3 AQ-6.4 AQ-6.5 AQ-6.6 AQ-6.7 Goal AQ-7 Policies AQ-7.1 AQ-7.2 AQ-7.3 AQ-7.4		
Regional/Multi-Jurisdictional Land Use Plans, Policies, or Regulations				
Southern California Association of Governments				
The proposed General Plan 2035 could result in inconsistencies with the goals of the Southern California Association of Government's Regional Comprehensive Plan, 2008 Regional Transportation Plan and the principles and strategies of the Compass Growth Visioning Program.	Less Than Significant Impact.	Refer to *Table 5.1-2* and *Table 5.1-3*.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
County of Riverside				
The proposed General Plan 2035 could result in inconsistencies with the Riverside County Airport Land Use Compatibility Plan.	Potentially Significant Impact.	Goal LU-25 Policies LU-25.8 LU-25.9 LU-25.10 LU-25.11 LU-25.12	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Less Than Significant Impact.
The proposed General Plan 2035 could result in inconsistencies with the Western Riverside County Multiple Species Habitat Conservation Plan.	Less Than Significant Impact.	CONSERVATION ELEMENT Goal CSV-8 Policies CSV-8.1 CSV-8.2 CSV-8.5 CSV-8.6 CSV-8.7	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Local Plans and Policies				
Implementation of the proposed General Plan 2035 could result in potential inconsistency impacts with local plans and policies.	Less Than Significant Impact.	LAND USE ELEMENT Goal LU-8 Policies LU-8.7 Goal LU-10 Policies LU-10.2 LU-10.5 Goal LU-12 Policies LU-12.3 LU-12.4 Goal LU-17 Policies LU-17.5 Goal LU-18 Policies LU-18.4 Goal LU-19 Policies LU-19.1 LU-19.2 Goal LU-20 Policies LU-20.6 Goal LU-23 Policies LU-23.1 Goal LU-27 Policies LU-27.1 ECONOMIC	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		DEVELOPMENT ELEMENT Goal ED-2 Policies ED-2.7 ED-2.8 Goal ED-9 Policies ED-9.1		
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable land use impacts.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.1.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
POPULATION, EMPLOYMENT, AND HOUSING				
Population Growth				
Implementation of the proposed General Plan 2035 could induce population growth in the City by allowing new homes and businesses.	Less Than Significant Impact.	LAND USE ELEMENT Goal LU-1 Policies LU-1.1 LU-1.2 LU-1.3 LU-1.4 LU-1.5 LU-1.6 LU-1.7 LU-1.8 LU-1.9 ECONOMIC DEVELOPMENT ELEMENT Goal ED-2 Policies ED-2.6 ED-2.7 ED-2.8 ED-2.9 Goal ED-5 ED-5.1 ED-5.2 ED-5.3 ED-5.4 HOUSING ELEMENT Policies Policy 1.1 Policy 1.6 Policy 5.1	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 and Housing Element are required.	Not Applicable.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		Policy 5.2 Policy 5.5		
Replacement Housing				
Implementation of the proposed General Plan 2035 could displace existing housing or persons, necessitating the construction of replacement housing.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.2.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 and Housing Element are required.	Not Applicable.
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and cumulative development could induce population growth in the Western Riverside Council of Government's SCAG subregion.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.2.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 and Housing Element are required.	Not Applicable.
AESTHETICS, LIGHT, AND GLARE				
Scenic Vistas				
Implementation of the proposed General Plan 2035 could have an adverse effect on a scenic vista.	Less Than Significant Impact.	LAND USE ELEMENT Goal LU-1 Policies LU-1.4 CONSERVATION ELEMENT Goal CSV-5 Policies CSV-5.1 CSV-5.2 RECREATION AND OPEN SPACE ELEMENT Goal ROS-7 Policies ROS-7.1 ROS-7.2 ROS-7.3	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
State Scenic Highway				
Implementation of the proposed General Plan 2035 could substantially damage scenic resources within a State scenic highway.	Less Than Significant Impact.	No goals or policies in the proposed General Plan 2035 pertain specifically to State scenic highways.	No mitigation measures are required.	Not Applicable.
Visual Character – Short-Term				
Construction activities for future development associated with implementation of the proposed General Plan 2035 could temporarily degrade the visual character of the	Potentially Significant Impact.	No goals or policies in the proposed General Plan 2035 pertain specifically to visual character during construction.	AES-1 For future development located in or immediately adjacent to residentially zoned properties, construction	Less Than Significant Impact.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
respective development site and/or its immediate surroundings.			documents shall include language that requires all construction contractors to strictly control the staging of construction equipment and the cleanliness of construction equipment stored or driven beyond the limits of the construction work area. Construction equipment shall be parked and staged within the project site, as distant from the residential use, as reasonably possible. Staging areas shall be screened from view from residential properties. AES-2 Construction documents shall include language requiring that construction vehicles be kept clean and free of mud and dust prior to leaving the development site. Streets surrounding the development site shall be swept daily and maintained free of dirt and debris. AES-3 Construction worker parking may be located off-site with prior approval by the City. On-street parking of construction worker vehicles on residential streets shall be prohibited.	
Visual Character – Long-Term				
Future development associated with implementation of the proposed General Plan 2035 could permanently degrade the visual character of the respective development site and its immediate surroundings.	Less Than Significant Impact.	LAND USE ELEMENT Goal LU-2 Policies LU-2.1 Goal LU-3 Policies LU-3.1	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		LU-3.2 LU-3.3 LU-3.4 LU-3.5 Goal LU-9 Policies LU-9.1 Goal LU-10 Policies LU-10.1 LU-10.2 LU-10.5 LU-10.7 LU-10.8 LU-10.9 Goal LU-11 Policies LU-11.1 LU-11.2 LU-11.3 LU-11.4 LU-11.5 LU-11.6 LU-11.7 LU-11.8 Goal LU-12 Policies LU-12.1 LU-12.2 LU-12.3 LU-12.4 Goal LU-20 Policies LU-20.1 LU-20.2 LU-20.3 LU-20.4 LU-20.7 LU-20.8 LU-20.9 Goal LU-21 Policies LU-21.1 Goal LU-22 Policies LU-22.1 LU-22.2 LU-22.3 LU-22.4		

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		LU-22.5 Goal LU-24 Policies LU-24.1 Goal LU-27 Policies LU-27.1 CONSERVATION ELEMENT Goal CSV-4 Policies CSV-4.1 CSV-4.2 CSV-4.3 CSV-4.4 CSV-4.5 CSV-4.6 CSV-4.7 Goal CSV-5 Policies CSV-5.1 CSV-5.2 CSV-5.3 Goal CSV-9 Policies CSV-9.1 CSV-9.2 CSV-9.3 CSV-9.4 CSV-9.5 CSV-9.6 CSV-9.8 CSV-9.9 RECREATION AND OPEN SPACE ELEMENT Goal ROS-7 Policies ROS-7.1 ROS-7.2 ROS-7.3 ROS-7.4		
Light And Glare				
Future development associated with implementation of the proposed General Plan 2035 could create new sources of light/glare that could adversely affect views in the area.	Less Than Significant Impact.	LAND USE ELEMENT Goal LU-20 Policies LU-20.10	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
Shade And Shadows				
Future development associated with implementation of the proposed General Plan 2035 could create shade and shadows that could adversely affect adjacent land uses.	Less Than Significant Impact.	No goals or policies in the proposed General Plan 2035 pertain specifically to shade or shadows.	No mitigation measures are required.	Not Applicable.
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable aesthetics, light, and glare impacts.	Potentially Significant Impact.	Refer to the goals and policies referenced above in this Section 5.3.	Refer to Mitigation Measures AES-1 to AES-3. No additional mitigation measures are required.	Less Than Significant Impact.
TRAFFIC AND CIRCULATION				
Proposed General Plan 2035 Traffic Operations				
Implementation of the proposed General Plan 2035 could conflict with an applicable plan, ordinance, or policy establishing measures of effectiveness for intersections.	Potentially Significant Impact.	CIRCULATION ELEMENT Goal CIR-1 Policies CIR-1.1 CIR-1.2 CIR-1.3 CIR-1.4 CIR-1.5 CIR-1.6 CIR-1.7 CIR-1.8 CIR-1.9 CIR-1.10 CIR-1.11 CIR-1.12 CIR-1.13 CIR-1.14 Goal CIR-2 Policies CIR-2.1 CIR-2.2 CIR-2.3 CIR-2.4 CIR-2.5 CIR-2.6 CIR-2.7 CIR-2.8 CIR-2.9 CIR-2.10 CIR-2.11 CIR-2.12 CIR-2.13 CIR-2.14	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are available.	Roadway Segments. Significant Unavoidable Impact for the roadway segments identified as LOS D, E, or F on *Exhibit 5.4-14*. Less Than Significant Impact for the roadway segments identified as LOS A, B, or C on *Exhibit 5.4-14*. Intersections. Significant Unavoidable Impacts for Intersections 1, 3, 4, 9, 10, 18, 20, 22, 25, 28, 44, 52, 53, 54, 57, 59 (refer to *Table 5.4-12*). Less Than Significant Impact for all

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		Goal CIR-3 Policies CIR-3.1 CIR-3.2 CIR-3.3 CIR-3.4 CIR-3.5 Goal CIR-4 Policies CIR-4.1 CIR-4.2 CIR-4.3 Goal CIR-5 Policies CIR-5.1 CIR-5.2 CIR-5.3 CIR-5.4 CIR-5.5 CIR-5.6 CIR-5.7 CIR-5.8 CIR-5.9 CIR-5.10 CIR-5.11 CIR-5.12 CIR-5.13 CIR-5.14 Goal CIR-6 Policies CIR-6.1 CIR-6.2 CIR-6.3 CIR-6.4 CIR-6.5 CIR-6.6 CIR-6.7 CIR-6.8 CIR-6.9 CIR-6.10 CIR-6.11 CIR-6.12 CIR-6.13 CIR-6.14 Goal CIR-7 Policies CIR-7.1 CIR-7.2 CIR-7.3		other studied intersections.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		CIR-7.4 CIR-7.5 CIR-7.6 CIR-7.7 CIR-7.8 Goal CIR-8 Policies CIR-8.1 CIR-8.2 CIR-8.3 CIR-8.4 CIR-8.5 CIR-8.6 CIR-8.7 CIR-8.8 CIR-8.9 CIR-8.10 CIR-8.11 CIR-8.12 CIR-8.13 CIR-8.14 CIR-8.15 LAND USE ELEMENT Goal LU-3 Policies LU-3.2 Goal LU-23 Policies LU-23.1 LU-23.2 AIR QUALITY ELEMENT Goal AQ-5 Policies AQ-5.1 AQ-5.2 AQ-5.3 AQ-5.4 AQ-5.5 AQ-5.6 AQ-5.7 NOISE ELEMENT Goal N-3 Policies N-3.4 SAFETY ELEMENT Goal SAF-11 Policies SAF-11.1		

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
Congestion Management Program				
Implementation of the proposed General Plan 2035 could result in conflicts with the Riverside County Congestion Management Program.	No Impact.	Refer to the goals and policies referenced above in this Section 5.4.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Design Features or Incompatible Uses				
Implementation of the proposed General Plan 2035 could result in inadequate design features or incompatible uses.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.4.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Emergency Access				
Implementation of the proposed General Plan 2035 could result in inadequate emergency access	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.4.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Pedestrian and Transit Facilities				
Implementation of the proposed General Plan 2035 could conflict with the performance of existing and/or planned transit systems serving the area and/or conflict with adopted transit, bicycle, or pedestrian policies, plans, or programs.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.4.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable traffic and circulation impacts.	Potentially Significant Impact.	Refer to the goals and policies referenced above in this Section 5.4.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are available.	Roadway Segments. Significant Unavoidable Impact for the roadway segments identified as LOS D, E, or F on *Exhibit 5.4-14*. Less Than Significant Impact for the roadway segments identified as LOS A, B, or C on *Exhibit 5.4-14*.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
				Intersections. Significant Unavoidable Impacts for Intersections 1, 3, 4, 9, 10, 18, 20, 22, 25, 28, 44, 52, 53, 54, 57, 59 (refer to *Table 5.4-12*). Less Than Significant Impact for all other studied intersections.
AIR QUALITY				
Short-Term Construction Emissions				
Citywide construction activities under the proposed General Plan 2035 could result in a considerable increase of criteria pollutants, and thus, could violate air quality standards.	Potentially Significant Impact.	AIR QUALITY ELEMENT Goal AQ-3 Policies AQ-3.1 AQ-3.2 AQ-3.3 AQ-3.4 Goal AQ-7 Policies AQ-7.1 AQ-7.2 AQ-7.3 AQ-7.4	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are available.	Significant Unavoidable Impact.
Long-Term Mobile and Stationary Source Emissions				
Implementation of the proposed General Plan 2035 could result in an overall increase in mobile and stationary source emissions within the City, which could exceed South Coast Air Quality Management District air quality standards.	Potentially Significant Impact	AIR QUALITY ELEMENT Goal AQ-1 Policies AQ-1.1 AQ-1.2 AQ-1.3 AQ-1.4 AQ-1.5 Goal AQ-2 Policies AQ-2.1 AQ-2.2 AQ-2.3 AQ-2.4 AQ-2.5 Goal AQ-4 Policies	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are available.	Significant Unavoidable Impact.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		AQ-4.1 AQ-4.2 AQ-4.3 AQ-4.4 Goal AQ-5 Policies AQ-5.1 AQ-5.2 AQ-5.3 AQ-5.4 AQ-5.5 AQ-5.6 AQ-5.7 Goal AQ-6 Policies AQ-6.1 AQ-6.3 AQ-6.4 AQ-6.5 AQ-6.6 AQ-6.7 Goal AQ-7 Policies AQ-7.1 AQ-7.3 Goal LU-8 Policies LU-8.1 LU-8.2 CIRCULATION ELEMENT Goal CIR-1 Policies CIR-1.4 Goal CIR-5 Policies CIR-5.9 CIR-5.10 CIR-5.11 CIR-5.12 Goal CIR-6 Policies CIR-6.1 CIR-6.2 CIR-6.3 CIR-6.4 CIR-6.5 CIR-6.6 CIR-6.7 CIR-6.8		

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		CIR-6.9 CIR-6.10 CIR-6.11 CIR-6.12 LAND USE ELEMENT Goal LU-8 Policies LU-8.1 LU-8.2		
Odor Impacts				
Implementation of the proposed General Plan 2035 could result in an overall increase in odors within the City.	Less Than Significant Impact.	AIR QUALITY ELEMENT Goal AQ-2 Policies AQ-2.1 AQ-2.2 AQ-2.3 AQ-2.4 AQ-2.5 Goal AQ-6 Policies AQ-6.1	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Carbon Monoxide Hotspots				
Implementation of the proposed General Plan 2035 could result in an overall increase in carbon monoxide hotspot emissions within the City, which could exceed South Coast Air Quality Management District air quality standards.	Less Than Significant Impact.	CIRCULATION ELEMENT Goal CIR-1 Policies CIR-1.2 CIR-1.4 CIR-1.6 CIR-1.8	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Consistency with Regional Plans				
The proposed General Plan 2035 may conflict with or hinder implementation of the Southern California Association of Government's Regional Comprehensive Plan guidelines and the South Coast Air Quality Management District's Air Quality Management Plan.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.5.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Cumulative Impacts and Mitigation Measures				
Regional air quality emissions resulting from operational buildout of the proposed General Plan 2035 could impact regional air quality levels on a cumulatively considerable basis.	Potentially Significant Impact.	Refer to the goals and policies referenced above in this Section 5.5.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are available.	Significant Unavoidable for construction and regional air quality impacts. Less Than Significant for localized air

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
				quality and cumulative odor impacts.
GREENHOUSE GAS EMISSIONS				
Greenhouse Gas Emissions				
Greenhouse gas emissions generated by development associated with implementation of the proposed General Plan 2035 could have a significant impact on the environment.	Less Than Significant Impact.	LAND USE ELEMENT Goals: LU-1, LU-4, LU-5, LU-6, LU-7, LU-8, LU-9, LU-10, LU-22, LU-24, LU-25 Policies : LU-1.6, LU-4.3, LU-5.1, LU-5.2, LU-6.1, LU-7.4, LU-7.8, LU-8.1, LU-8.2, LU-8.4, LU-8.5, LU-8.6, LU-8.7 ,LU-8.8, LU-9.1, LU-9.2, LU-9.3, LU-9.4, LU-9.5, LU-9.6, LU-9.7, LU-9.8, LU-10.1, LU-10.2, LU-10.3, LU-10.4, LU-10.5, LU-10.6, LU-10.7, LU-10.8, LU-10.9, LU-22.6, LU-24.2, LU-24.6, LU-25.2 ECONOMIC DEVELOPMENT ELEMENT Goals: ED-3, ED-4, ED-5, ED-6, ED-8, ED-10, Policies: ED-3.1, ED-3.2, ED-3.3, ED-3.4, ED-4.2, ED-5.1, ED-6.1, ED-6.2, ED-8.1, ED-10.6 CIRCULATION ELEMENT Goals: CIR-1, CIR-2, CIR-5, CIR-6, CIR-7, CIR-8 Policies: CIR-1.1, CIR-1.9, CIR-1.11, CIR-2.3, CIR-2.5, CIR-2.6, CIR-2.7, CIR-2.12, CIR-5.9, CIR-5.10, CIR-5.11, CIR-5.14, CIR-6.1, CIR-6.2, CIR-6.3, CIR-6.4, CIR-6.5, CIR-6.6, CIR-6.12, CIR-7.1, CIR-7.2, CIR-7.3, CIR-7.4, CIR-7.5, CIR-7.6, CIR-7.7, CIR-7.8, CIR-8.1, CIR-, 8.2, CIR-8.9, CIR-8.10, CIR-8.11, CIR-8.12, CIR-8.13	No mitigation measures beyond the strategies, goals, and measures identified in the proposed Climate Action Plan are required.	Not Applicable.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		INFRASTRUCTURE ELEMENT Goals: INF-1, INF-2 Policies: INF-1.15, INF-2.1, INF-2.2, INF-2.3, INF-2.4, INF-2.5 HEALTHY COMMUNITY ELEMENT Goals: HC-1 Policies: HC-1.3 CONSERVATION ELEMENT Goals: CSV-1, CSV-2, CSV-9, CSV-10, CSV-12, CSV-13, CSV-14, CSV-15 Policies: CSV-1.2, CSV-1.4, CSV-2.1, CSV-2.2, CSV-2.4, CSV-9.1, CSV-9.2, CSV-9.3, CSV-9.4, CSV-9.5, CSV-9.6, CSV-9.7, CSV-9.8, CSV-9.9, CSV-10.1, CSV-10.2, CSV-10.3, CSV-10.4, CSV-10.5, CSV-10.6, CSV-10.7, CSV-10.8, CSV-12.1, CSV-12.2, CSV-12.3, CSV-12.4, CSV-12.5, CSV-12.6, CSV-12.7, CSV-12.8, CSV-13.1, CSV-13.2, CSV-13.3, CSV-13.4, CSV-13.5, CSV-13.6, CSV-13.7, CSV-14.1, CSV-14.2, CSV-14.3, CSV-14.4, CSV-15.1, CSV-15.2, CSV-15.3, CSV-15.4, CSV-15.5, CSV-15.6, CSV-15.7 RECREATION AND OPEN SPACE ELEMENT Goals: ROS-7, ROS-8, ROS-9 Policies: ROS-7.1, ROS-7.2, ROS-7.3, ROS-7.4, ROS-8.1, ROS-8.2, ROS-8.3, ROS-8.4, ROS-9.1, ROS-9.2, ROS-9.3, ROS-9.4, ROS-9.5 AIR QUALITY ELEMENT		

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		Goals: AQ-4, AQ-5, AQ-6 Policies: AQ-4.1, AQ-4.2, AQ-4.3, AQ-4.4, AQ-5.1, AQ-5.3, AQ-5.4, AQ-5.5, AQ-5.7, AQ-5.8, AQ-6.3 HOUSING ELEMENT Goals: Goal 2 Policies: Policy 2.3 Action: Action 2.5		
Consistency with Applicable GHG Plans, Policies or Regulations				
Implementation of the proposed General Plan 2035 could conflict with an applicable greenhouse gas reduction plan, policy, or regulation.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.6.	No mitigation measures beyond the strategies, goals, and measures identified in the proposed CAP are required.	Not Applicable.
Cumulative Impacts and Mitigation Measures				
Greenhouse gas emissions resulting from development associated with implementation of the proposed General Plan 2035 and cumulative development could impact greenhouse gas emissions on a cumulatively considerable basis.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.6.	No mitigation measures beyond the strategies, goals, and measures identified in the proposed CAP are required.	Not Applicable.
NOISE				
Short-Term Construction Noise				
Construction-related activities associated with implementation of the proposed General Plan 2035 could generate noise levels in excess of established standards.	Less Than Significant Impact.	NOISE ELEMENT Goal N-4 Policies N-4.1 N-4.2 N-4.3 N-4.4 N-4.5 N-4.6	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 and adherence to the City's Noise Ordinance are required.	Not Applicable.
Construction-related activities associated with implementation of the proposed General Plan 2035 could generate or expose persons or structures to excessive groundborne vibration.	Potentially Significant Impact.	NOISE ELEMENT Goal N-4 Policies N-4.2 N-4.3	NOI-1 The City shall require future developments to implement the following measures to reduce the potential for human annoyance and architectural/structural damage resulting from elevated groundborne noise and vibration levels. ▪ Pile driving within a 50-foot radius of historic structures	Less Than Significant Impact.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
			shall utilize alternative installation methods where possible (e.g., pile cushioning, jetting, predrilling, cast-in-place systems, resonance-free vibratory pile drivers). ▪ The preexisting condition of all designated historic buildings within a 50-foot radius of proposed construction activities shall be evaluated during a preconstruction survey. The preconstruction survey shall determine conditions that exist before construction begins for use in evaluating damage caused by construction activities. Fixtures and finishes within a 50-foot radius of construction activities susceptible to damage shall be documented (photographically and in writing) prior to construction. All damage shall be repaired back to its preexisting condition. ▪ Vibration monitoring shall be conducted	

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
			prior to and during pile driving operations occurring within 100 feet of the historic structures. Every attempt shall be made to limit construction-generated vibration levels in accordance with Caltrans recommendations during pile driving and impact activities in the vicinity of the historic structures.	
Long-Term Operational Impacts				
Future noise levels associated with implementation of the proposed General Plan 2035 could contribute to an exceedance of the City's noise standards resulting in potential noise impacts to sensitive receptors.	Potentially Significant Impact.	NOISE ELEMENT Goal N-1 Policies N-1.1 N-1.2 N-1.3 N-1.4 Goal N-2 Policies N-2.1 N-2.2 N-2.3 N-2.4 N-2.5 N-2.6 N-2.7 N-2.8 N-2.9 N-2.10 Goal N-3 Policies N-3.1 N-3.2 N-3.3 N-3.4 N-3.5 N-3.6 Goal LU-25 Policies	NOI-2 Residential projects located within the 55 CNEL noise contour for the French Valley Airport shall be subject to review by the Riverside County Airport Land Use Commission and shall be required to ensure interior noise levels from aircraft operations are at or below 45 dB CNEL.	Less Than Significant Impact.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		LU-25.2 LU-25.3 LU-25.8 LU-25.9		
Cumulative Impacts and Mitigation Measures				
Cumulative Short-Term Construction Noise				
Cumulative short-term construction noise associated with implementation of the proposed General Plan 2035 could result in cumulatively considerable impacts.	Potentially Significant Impact.	Refer to Goal N-4 and Policies N-4.1 through N-4.6 referenced above in this Section 5.7.	Refer to Mitigation Measure NOI-1. No additional mitigation measures are required.	Less Than Significant Impact.
Cumulative Long-Term Operational Impacts				
Cumulative long-term operational noise associated with implementation of the proposed General Plan 2035 could result in cumulatively considerable impacts.	Potentially Significant Impact.	Refer to Goal N-3 and Policies N-3.1 through N.3.6 and Goal LU-25 and Policies LU-25.2, LU-25.3, LU-25.8, and LU-25.9 referenced above in this Section 5.7.	Refer to Mitigation Measure NOI-2. No additional mitigation measures are available.	Significant Unavoidable Impact.
GEOLOGY AND SEISMIC HAZARDS				
Fault Rupture and Seismic Groundshaking				
Implementation of the proposed General Plan 2035 could expose people and structures to potentially substantial adverse effects involving fault rupture or strong seismic groundshaking.	Potentially Significant Impact.	<u>SAFETY ELEMENT</u> Goal SAF-2 Policies SAF-2.1 SAF-2.2 SAF-2.3 Goal SAF-12 Policies SAF-12.1 SAF-12.2 SAF-12.3 SAF-12.4 SAF-12.5 SAF-12.6 SAF- 12.7	GEO-1 Prior to issuance of a Grading Permit for each future development project, a registered geologist or soils engineer shall prepare an area-specific Geologic Study, which shall be submitted to the Public Works or Building and Safety Department for approval. The Geologic Study shall specify the measures necessary to mitigate impacts related to fault rupture, groundshaking, landslides, liquefaction or dynamic settling, expansive or collapsible soils, lateral spreading, and other geologic and seismic hazards, if any. All recommendations in the Geologic Study shall be implemented during area preparation, grading, and construction.	Less Than Significant Impact.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
			GEO-2 Prior to issuance of any Grading Permit, project applicants of future development projects shall comply with each of the recommendations detailed in the Geotechnical Study, and other such measure(s) as the City deems necessary to adequately mitigate potential seismic and geotechnical hazards.	
Ground Failure				
Implementation of the proposed general plan 2035 could expose people and structures to potential substantial adverse effects from seismic-related or other types of ground failures.	Potentially Significant Impact.	Refer to the goals and policies referenced above in this Section 5.8.	Refer to Mitigation Measures GEO-1 and GEO-2. No additional mitigation measures are required.	Less Than Significant Impact.
Soil Erosion/Loss of Topsoil				
Implementation of the proposed General Plan 2035 could result in impacts related to soil erosion or loss of topsoil.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.8.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Soil				
Future development resulting from implementation of the proposed General Plan 2035 could result in impacts related to expansive soils, soil strength, or the potential to support septic tanks or alternative waste water disposal systems.	Potentially Significant Impact.	Refer to the goals and policies referenced above in this Section 5.8.	Refer to Mitigation Measures GEO-1 and GEO-2. No additional mitigation measures are required.	Less Than Significant Impact.
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts related to seismic, geologic, and soil conditions.	Potentially Significant Impact.	Refer to the goals and policies referenced above in this Section 5.8.	Refer to Mitigation Measures GEO-1 and GEO-2. No additional mitigation measures are required.	Less Than Significant Impact.
CULTURAL RESOURCES				
Historical and Archaeological Resources				
Implementation of the proposed General Plan 2035 could impact historical and archaeological resources.	Potentially Significant Impact.	CONSERVATION ELEMENT Goal CSV-9 Policies CSV-9.1 Goal CSV-11	CR-1 Future development projects shall continue to be evaluated for cultural resources by the City of Murrieta through review by the Eastern Information	Less Than Significant Impact.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		Policies CSV-11.1 CSV-11.2 CSV-11.3 CSV-11.4 CSV-11.5 CSV-11.6 CSV-11.7 CSV-11.8 CSV-11.9 LAND USE ELEMENT Goal LU-11 Policies LU-11.1 LU-11.7 Goal LU-22 Policies LU-22.3 LU-22.4 Goal LU-24 Policies LU-24.1	Center (EIC) and notification of and consultation with the local tribes for new entitlement projects. The projects shall be evaluated for compliance with the California Environmental Quality Act (CEQA) and where feasible, avoidance of cultural resources. If, following review by the EIC and/or tribal consultation, it is determined that there is a potential for impacts to cultural resources, further cultural resources analysis by a qualified professional(s), as defined in Mitigation Measure CR-2, may be required by the City.	
Burial Sites				
Implementation of the proposed General Plan 2035 could impact unmarked burial sites.	Potentially Significant Impact.	CONSERVATION ELEMENT Goal CSV-11 Policies CSV-11.5	CR-2 In the event that cultural resources (archaeological, historical, paleontological) resources are inadvertently unearthed during excavation and grading activities of any future development project, the contractor shall cease all earth-disturbing activities within a 100-foot radius of the area of discovery. If not already retained due to conditions present pursuant to Mitigation Measure CR-1, the project proponent shall retain a qualified professional (i.e., archaeologist, historian, architect, paleontologist, Native American Tribal monitor), subject to approval by the City of Murrieta to evaluate the	Less Than Significant Impact.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
			significance of the find and appropriate course of action (refer to Mitigation Measures CR-1 and CR-3). If avoidance of the resources is not feasible, salvage operation requirements pursuant to Section 15064.5 of the CEQA Guidelines shall be followed. After the find has been appropriately avoided or mitigated, work in the area may resume.	
Paleontological Resources				
Implementation of the proposed General Plan 2035 could directly or indirectly impact a unique paleontological resource or site.	Potentially Significant Impact.	CONSERVATION ELEMENT Goal CSV-7 Policies CSV-7.1 CSV-7.2	Refer to Mitigation Measure CR-1. No additional mitigation measures are required.	Less Than Significant Impact.
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts to cultural resources.	Potentially Significant Impact.	Refer to the goals and policies referenced above in this Section 5.9.	Refer to Mitigation Measures CR-1 and CR-2. No additional mitigation measures are required.	Less Than Significant Impact.
BIOLOGICAL RESOURCES				
Special Status Species				
Implementation of the proposed General Plan 2035 could have an adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species.	Less Than Significant Impact.	LAND USE ELEMENT Goal LU-22 Policies LU-22.3 LU-22.4 Goal LU-25 Policies LU-25.1 CONSERVATION ELEMENT Goal CSV-3 Policies CSV-3.5 Goal CSV-4 Policies CSV-4.1 CSV-4.3	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		CSV-4.4 CSV-4.5 CSV-4.6 Goal CSV-5 Policies CSV-5.1 Goal CSV-8 Policies CSV-8.1 CSV-8.2 CSV-8.3 CSV-8.4 CSV-8.5 CSV-8.6 RECREATION AND OPEN SPACE ELEMENT Goal ROS-7 Policies ROS-7.1 ROS-7.2 ROS-7.3 ROS-7.4		
Sensitive Vegetation Communities				
Implementation of the proposed General Plan 2035 could have an adverse effect on a sensitive vegetation community, including riparian habitat and federally protected wetlands.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.10.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Wildlife Movement Corridors				
Implementation of the proposed General Plan 2035 could interfere with an established wildlife corridor.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.10.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Local Policy/Ordinance Consistency				
Implementation of the proposed General Plan 2035 could conflict with a local policy or ordinance protecting biological resources.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.10, along with the following goal and policy. CONSERVATION ELEMENT Goal CSV-9 CSV-9.1	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
Western Riverside County MSHCP Consistency				
Implementation of the proposed General Plan 2035 could conflict with the provisions of the Western Riverside County MSHCP.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.10.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed project and cumulative development could result in cumulatively considerable impacts to biological resources.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.10.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
AGRICULTURAL RESOURCES				
Conversion of Farmland to Non-Agricultural Use				
Implementation of the proposed General Plan 2035 could result in conversion of farmland to non-agricultural use, including land shown on the 2008 Farmland Mapping and Monitoring program, as unique farmland.	Less Than Significant Impact.	CONSERVATION ELEMENT Goal CSV-10 Policies CSV-10.1 CSV-10.2 CSV-10.3 CSV-10.4 CSV-10.5 CSV-10.6 CSV-10.7 LAND USE ELEMENT Goal LU-2 Policies LU-2.1 Goal LU-20 Policies LU-20.6 LU-20.7	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Zoning and Williamson Act Contracts				
Implementation of the proposed General Plan 2035 could conflict with existing zoning for agricultural uses, or a Williamson Act contract.	No Impact.	No goals or policies in the proposed General Plan 2035 pertain specifically to Williamson Act Contracts.	No mitigation measures are required.	Not Applicable.
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to agricultural resources.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.11.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
MINERAL RESOURCES				
Mineral Resource Zones				
Implementation of the proposed General Plan 2035 could result in impacts to mineral resources not yet identified.	Less Than Significant Impact.	CONSERVATION ELEMENT Goal CSV-6 Policies CSV-6.1	No mitigation measures beyond the goals and policies measures identified in the proposed General Plan 2035 are required.	Not Applicable
Mineral Resource Recovery Sites				
Implementation of the proposed General Plan 2035 could result in impacts to mineral resource recovery sites.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.12.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to unknown mineral resources.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.12.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
HYDROLOGY, DRAINAGE, AND WATER QUALITY				
Water Quality				
Implementation of the proposed General Plan 2035 could violate water quality standards and waste discharge requirements.	Potentially Significant Impact.	INFRASTRUCTURE ELEMENT Goal INF-1 Policies INF-1.1 INF-1.2 INF-1.4 INF-1.6 INF-1.7 INF-1.8 INF-1.9 INF-1.10 INF-1.11 INF-1.12 INF-1.13 INF-1.14 INF-1.15 INF-1.16 INF-1.18 INF-1.19 CONSERVATION ELEMENT Goal CSV-3 Policies CSV-3.1 CSV-3.2	HYD-1 Prior to issuance of any Grading or Building Permit, and as part of the future development's compliance with the NPDES requirements, a Notice of Intent shall be prepared and submitted to the San Diego RWQCB providing notification and intent to comply with the State of California General Construction Permit. Also, a Stormwater Pollution Prevention Plan (SWPPP) shall be reviewed and approved by the Director of Public Works and the City Engineer for water quality construction activities on-site. A copy of the SWPPP shall be available and implemented at the construction site at all times. The SWPPP shall outline the source control	Less Than Significant Impact.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		CSV-3.3 CSV-3.4 CSV-3.5 Goal CSV-4 Policies CSV-4.1 CSV-4.2 CSV-4.3 CSV-4.4 CSV-4.5 CSV-4.6	and/or treatment control BMPs to avoid or mitigate runoff pollutants at the construction site to the "maximum extent practicable." All recommendations in the Plan shall be implemented during area preparation, grading, and construction. The project applicant shall comply with each of the recommendations detailed in the Study, and other such measure(s) as the City deems necessary to mitigate potential stormwater runoff impacts. HYD-2 Prior to issuance of any Grading Permit, future development projects shall prepare, to the satisfaction of the Director of Public Works and the City Engineer, a Water Quality Management Plan or Stormwater Mitigation Plan, which includes Best Management Practices (BMPs), in accordance with the Riverside County DAMP and the Murrieta WQMP. All recommendations in the Plan shall be implemented during post construction/operation phase. The project applicant shall comply with each of the recommendations detailed in the Study, and other such measure(s) as the City deems necessary to mitigate potential water quality impacts.	

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
Groundwater Depletion				
Development associated with implementation of the proposed General Plan 2035 could deplete groundwater supplies.	Less Than Significant Impact.	CONSERVATION ELEMENT Goal CSV-1 Policies CSV-1.1 CSV-1.2 CSV-1.3 CSV-1.4 CSV-1.5 CSV-1.6	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Drainage System Capacity				
Development associated with implementation of the proposed General Plan 2035 could create or contribute to runoff water which could exceed the capacity of existing or planned storm water drainage systems for provide substantial additional sources of polluted runoff.	Potentially Significant Impact.	Refer to the goals and policies referenced above in this Section 5.13.	Refer to Mitigation Measures HYD-1 and HYD-2. No additional mitigation measures are required.	Less Than Significant Impact.
Drainage Patterns				
Development associated with implementation of the proposed General Plan 2035 could result in alteration of drainage patterns of the site or area, including alteration of a stream or river, resulting in substantial erosion, flooding, or significant risk of loss.	Less Than Significant Impact.	Refer to the goals and policies referenced above and below in this Section 5.13.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Flooding				
Development associated with implementation of the proposed General Plan 2035 could result in impacts related to a 100-year flood event.	Less Than Significant Impact.	SAFETY ELEMENT Goal SAF-3 Policies SAF-3.1 SAF-3.2 SAF-3.3 SAF-3.4 SAF-3.5 SAF-3.6	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Dam Inundation				
Future development associated with implementation of the proposed General Plan 2035 could result in urban uses being located in dam inundation areas of the City.	Less Than Significant Impact.	SAFETY ELEMENT Goal SAF-4 Policies SAF-4.1 SAF-4.2 SAF-4.3	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
Inundation By Seiche, Tsunami, or Mudflow				
Development associated with implementation of the proposed General Plan 2035 could result in project inundation by seiche, tsunami, or mudflow.	Less Than Significant Impact.	There are no goals or policies that pertain specifically to seiche or tsunami. Refer to the goals and policies referenced above for flooding.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts related to hydrology, drainage, and water quality.	Potentially Significant Impact.	Refer to goals and policies referenced above in this Section 5.13.	Refer to Mitigation Measure HYD-1 and HYD-2. No additional mitigation measures are required.	Less Than Significant Impact.
HAZARDS AND HAZARDOUS MATERIALS				
Hazardous Materials Use, Generation, Transport, or Disposal				
Future development in accordance with the proposed General Plan 2035 could result in an increased risk of upset associated with the routine use, generation, transport, or disposal of hazardous materials, which may potentially pose a health or safety hazard.	Potentially Significant Impact.	SAFETY ELEMENT Goal SAF-1 Policies SAF-1.2 SAF-1.3 SAF-1.5 Goal SAF-8 Policies SAF-8.1 SAF-8.2 SAF-8.3 SAF-8.4 SAF-8.5 SAF-8.6 SAF-8.7 SAF-8.8 SAF-8.9 SAF-8.10 SAF8.11 SAF-8.12 SAF-8.13 SAF-8.14	HHM-1 The Community Development Department, in cooperation with the Murrieta Fire Department and the Riverside County Community Health Agency, Materials Management Division, shall provide information to businesses on viable alternatives to hazardous materials. Create an informational pamphlet with existing hazardous material substitutions and retailers that sell the materials. Offer the information to applicable business owners who are required to file as a hazardous waste handler in the City. HHM-2 The Community Development Department, in cooperation with the Murrieta Fire Department and the Riverside County Community Health Agency, Materials	Less Than Significant Impact.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
			Management Division, provide information on viable alternatives to household hazardous materials on the City's website so households may use alternatives. Information will also educate the public to the health, safety, and environmental benefits of using non-hazardous substitutions.	
Accidental Release of Hazardous Materials				
Accidental release of hazardous materials used, stored, or transported in the City as a result of implementation of the proposed General Plan 2035 could result in a public health risk.	Potentially Significant Impact.	Refer to the goals and policies referenced above in this Section 5.14.	Refer to Mitigation Measures HHM-1 and HHM-2. In addition, the following mitigation is recommended. HHM-3 Prior to development approval on a project-by-project basis, the project applicant shall confirm the presence or absence of hazardous materials pertaining to the release of hazardous materials into the soil, surface water, and/or groundwater. If necessary, development shall undergo site characterization and remediation on a project-by-project basis, per applicable Federal, State, and/or local standards and guidelines set by the applicable regulatory agency.	Less Than Significant Impact.
Hazardous Materials Sites				
Future development associated with implementation of the proposed General Plan 2035 could impact hazardous material sites listed on government code section 65962.5 and create a significant hazard to the public or the environment.	Potentially Significant Impact.	Refer to the goals and policies referenced above in this Section 5.14.	Refer to Mitigation Measures HHM-1 though HHM-3. No additional mitigation measures are required.	Less Than Significant Impact.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
Airport Hazards				
New structures built within the vicinity of the local airport or private airstrip could result in a safety hazard for people residing or working within the area.	Potentially Significant Impact.	LAND USE ELEMENT Goal LU-25 Policies LU-25.8 LU-25.9 LU-25.10 LU-25.11 LU-25.12	HHM-4 The project applicant shall comply with the requirements of the Federal Aviation Administration (FAA) should any portions of the development be within a height overlay review zone or encroach within an imaginary surface surrounding the French Valley Airport. A Notice of Proposed Construction or Alteration (Form 7460-1) may be required by the FAA in accordance with Federal Aviation Regulations Part 77.	Less Than Significant Impact.
Emergency Response				
Future development associated with implementation of the General Plan 2035 could result in interference with an adopted emergency response or evacuation plan.	No Impact.	Refer to the goals and policies referenced above in this Section 5.14.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts to public health and safety.	Potentially Significant Impact.	Refer to the goals and policies referenced above in this Section 5.14.	Refer to Mitigation Measures HHM-1 through HHM-4. No additional mitigation measures are required.	Less Than Significant Impact.
WATER SUPPLY				
Water Supply and Distribution				
Implementation of the proposed General Plan 2035 could result in increased demand for water supplies and infrastructure within the City.	Less Than Significant Impact.	CONSERVATION ELEMENT Goal CSV-1 Policies CSV-1.1 CSV-1.2 CSV-1.3 CSV-1.4 CSV-1.5 CSV-1.6 Goal CSV-2 Policies CSV-2.1	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		CSV-2.2 CSV-2.3 CSV-2.4 CSV-2.5 Goal CSV-9 Policies CSV-9.1 CSV-9.2 CSV-9.3 CSV-9.4 CSV-9.5 CSV-9.6 CSV-9.8 CSV-9.9 Goal CSV-15 Policies CSV-15.5 CSV-15.6 INFRASTRUCTURE ELEMENT Goal INF-1 Policies INF-1.1 INF-1.2 INF-1.3 INF-1.4 INF-1.5 INF-1.6 INF-1.7 INF-1.8 INF-1.9 INF-1.10 NF-1.21 INF-1.22 INF-1.23 INF-1.24		
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to water resources including increased demand for water supplies and infrastructure.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.15.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
WASTEWATER				
Implementation of the proposed General Plan 2035 could result in increased demand for wastewater services and infrastructure.	Potentially Significant Impact.	INFRASTRUCTURE ELEMENT Goal INF-1 Policies INF-1.1 INF-1.2 INF-1.3 INF-1.4 INF-1.5 INF-1.6 INF-1.7 INF-1.8 INF-1.9 INF-1.10 INF-1.21 CONSERVATION ELEMENT Goal CSV-1 Policies CSV-1.1 CSV-1.2 CSV-1.3 CSV-1.4 CSV-1.6	WW-1 Prior to issuance of a wastewater permit for any future development project, the Project Applicant shall pay applicable connection and/or user fees to RCWD, EVMWD, WMWD, or EMWD. WW-2 Prior to issuance of a building permit for any future development project, the Project Applicant shall prepare an engineering study to support the adequacy of the sewer systems and submit the engineering study to the City for review and approval. Any improvements recommended in the engineering study shall be installed prior to the certificate of occupancy for the development project. WW-3 Prior to issuance of a building permit for any future development project, the Project Applicant shall provide evidence that the RCWD, EVMWD, WMWD, or EMWD has sufficient wastewater transmission and treatment plant capacity to accept sewage flows from buildings for which building permits are being requested.	Less Than Significant Impact.
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to	Potentially Significant Impact.	Refer to the goals and policies referenced above in this Section 5.16.	Refer to Mitigation Measures WW-1, WW-2, and WW-3. No additional mitigation measures are required.	Less Than Significant Impact.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
wastewater systems due to increased demand and creating the need for additional facilities.				
FIRE PROTECTION				
Fire Protection Services and Facilities				
Buildout of the City in accordance with the proposed General Plan 2035 could result in the need for additional fire facilities or personnel.	Less Than Significant Impact.	SAFETY ELEMENT Goal SAF-5 Policies SAF-5.1 SAF-5.2 SAF-5.3 SAF-5.4 SAF-5.5 Goal SAF-6 Policies SAF-6.1 SAF-6.2 SAF-6.3 SAF-6.4 SAF-6.5 SAF-6.6 SAF-6.7 SAF-6.8 SAF-6.9	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Wildland Fire Hazards				
Buildout of the City in accordance with the proposed General Plan 2035 could increase the number of homes or businesses susceptible to wildland fire hazards.	Potentially Significant Impact.	SAFETY ELEMENT Goal SAF-7 Policies SAF-7.1 SAF-7.2 SAF-7.3 SAF-7.4 SAF-7.5	FP-1 The Murrieta Fire Department shall review future development projects to determine if a Fuel Modification Plan is required. If required, project applicants shall prepare the Fuel Modification Plan in accordance with Fire Department requirements prior to the issuance of a grading or building permit. FP-2 Brush clearance shall be conducted prior to initiation of construction activities in accordance with Murrieta Fire Department requirements. FP-3 Adequate access to all buildings on the project site shall be provided for	Less Than Significant Impact.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
			emergency vehicles during the building construction process. FP-4 Adequate water availability shall be provided to service construction activities.	
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts to fire protection personnel, services, and facilities.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.17.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
POLICE PROTECTION				
Buildout of the City in accordance with the proposed General Plan 2035 could result in the need for additional police facilities or personnel.	Less Than Significant Impact.	SAFETY ELEMENT Goal SAF-9 Policies SAF-9.1 SAF-9.2 SAF-9.3 SAF-9.4 SAF-9.5 SAF-9.6 SAF-9.7 SAF-9.8 Goal SAF-10 Policies SAF-10.1 SAF-10.2 SAF-10.3 SAF-10.4 Goal SAF-11 Policies SAF-11.1 SAF-11.2 SAF-11.3 SAF-11.4	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts to police protection personnel, services, and facilities.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.18.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
SCHOOL FACILITIES				
Buildout of the City in accordance with the proposed General Plan 2035 could result in adverse physical impacts to facilities within the Murrieta Valley Unified School District, Menifee Unified School District, Perris Unified School District, and Hemet Unified School.	Potentially Significant Impact.	No goals or policies in the proposed General Plan 2035 pertain specifically to school facilities.	SCH-1 Prior to the issuance of certificate of occupancy, individual project applicants shall submit evidence to the City of Murrieta that legally required school impact mitigation fees have been paid per the mitigation established by the applicable school district.	Less Than Significant Impact.
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to school facilities.	Potentially Significant Impact.	No goals or policies in the proposed General Plan 2035 pertain specifically to school facilities.	Refer to Mitigation Measure SCH-1. No additional mitigation measures are required.	Less Than Significant Impact.
PARKS AND RECREATIONAL FACILITIES				
Implementation of the proposed General Plan 2035 could result in impacts to the adequate availability of parkland, recreational facilities, and trails within the City.	Potentially Significant Impact.	RECREATION AND OPEN SPACE ELEMENT Goal ROS-1 Policies ROS-1.1 ROS-1.2 ROS-1.3 ROS-1.4 Goal ROS-2 Policies ROS-2.1 ROS-2.2 ROS-2.3 Goal ROS-3 Policies ROS-3.1 ROS-3.2 ROS-3.3 ROS-3.4 ROS-3.5 ROS-3.6 ROS-3.7 Goal ROS-4 Policies ROS-4.1 ROS-4.2 ROS-4.3 ROS-4.4	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are available.	Significant Unavoidable Impact.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
		Goal ROS-5 Policies ROS-5.1 ROS-5.2 ROS-5.3 ROS-5.4 Goal ROS-6 Policies ROS-6.1 ROS-6.2 ROS-6.3 ROS-6.4 ROS-6.5 Goal ROS-7 Policies ROS-7.1 ROS-7.2 ROS-7.3 ROS-7.4 Goal ROS-8 Policies ROS-8.1 ROS-8.2 ROS-8.3 ROS-8.4 Goal ROS-9 Policies ROS-9.1 ROS-9.2 ROS-9.3 ROS-9.4 ROS-9.5 CIRCULATION ELEMENT Goal CIR-8 Policies CIR-8.11 CIR-8.12		
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts to parks and recreational facilities.	Potentially Significant Impact.	Refer to goals and policies referenced above in this Section 5.20.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are available.	Significant Unavoidable Impact.

Impacts	Level of Significance Before Mitigation	Goals and Policies in the Proposed General Plan 2035	Mitigation Measures	Level of Significance After Mitigation
SOLID WASTE				
Landfill Capacity				
Implementation of the proposed General Plan 2035 could result in demands on local landfills in exceedance of capacity current capacity constraints.	Less Than Significant Impact.	CONSERVATION ELEMENT Goal CSV-13 Policies CSV-13.1 CSV-13.2 CSV-13.3 CSV-13.4 CSV-13.5 CSV-13.6 CSV-13.7	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts related to solid waste disposal services and landfill disposal capacity.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.21.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
ELECTRICITY AND NATURAL GAS				
Electricity				
Implementation of the proposed General Plan 2035 could result in increased demand for electricity provided within the City.	Less Than Significant Impact.	INFRASTRUCTURE ELEMENT Goal INF-1 Policies INF-1.2 INF-1.5 INF-1.7 CONSERVATION ELEMENT Goal CSV-12 Policies CSV-12.1	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Natural Gas				
Implementation of the proposed General Plan 2035 could result in increased demand for natural gas provided within the City.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.22.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.
Cumulative Impacts and Mitigation Measures				
Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to electrical and/or natural gas services and facilities.	Less Than Significant Impact.	Refer to the goals and policies referenced above in this Section 5.22.	No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.	Not Applicable.

the future of southern california
Murrieta
General Plan Update

Section 2.0

Introduction and Purpose

2.0 INTRODUCTION AND PURPOSE

2.1 PURPOSE OF THE EIR

The *California Environmental Quality Act* (*CEQA*) requires that all State and local agencies consider the environmental consequences of projects over which they have discretionary authority. An Environmental Impact Report (EIR) is intended to provide decision-makers and the public with information concerning the environmental effects of a proposed project, possible ways to reduce or avoid the possible environmental damage and identify alternatives to the project. An EIR must also disclose significant environmental impacts that cannot be avoided; growth inducing impacts; effects not found to be significant; as well as significant cumulative impacts of all past, present and reasonably anticipated future projects.

The purpose of this Program EIR is to review the existing conditions, analyze potential environmental impacts, identify General Plan 2035 goals and policies that serve as mitigation, and identify additional mitigation measures to reduce potentially significant effects of the proposed General Plan 2035 (proposed project). Additional details and benefits about Program EIRs are explained further in Section 2.3.2.

A key assumption for both the General Plan 2035 and General Plan 2035 EIR is that the goals and policies identified in the General Plan 2035 will be implemented. With that as an underlying assumption, a conservative approach was employed for this Program EIR where goals and policies have been included as mitigation measures, as noted above. This method further ensures the execution of goals and policies to address development-related and environmental impacts associated with growth under the General Plan 2035.

In addition, the EIR documents background information for the General Plan 2035. Each jurisdiction must prepare supporting environmental documentation for goals and policies contained in the General Plan. This information will be adopted as part of the General Plan 2035.

2.2 AUTHORITY

The City of Murrieta is the Lead Agency under *CEQA* and is responsible for preparing the Program EIR for the Murrieta General Plan 2035 (State Clearinghouse No. 20100111084). This Program EIR has been prepared in conformance with *CEQA* (*California Public Resources Code* [PRC] Section 21000 et seq.); *CEQA Guidelines* (*California Code of Regulations* [CCR], *Title 14*, Section 15000 et seq.); and the rules, regulations, and procedures for implementation of *CEQA*, as adopted by the City of Murrieta. The principal *CEQA Guidelines* sections governing

content of this document are Sections 15120 through 15132 (Contents of Environmental Impact Reports), and Section 15168 (Program EIR).

2.3 APPROACH

State law specifies the basic contents of the General Plan. However, it permits each jurisdiction to use any format deemed appropriate or convenient. General Plans are traditionally organized into a collection of required and optional elements. These elements contain a policy component and supporting documentation. The City of Murrieta intends for the General Plan to be used primarily as a policy document, with supporting documentation for the General Plan to be included in the Program EIR and Technical Appendices.

2.3.1 GENERAL PLAN

Government Code Section 65300 requires that each jurisdiction prepare and adopt a comprehensive, long-term plan for the physical development of the county or city. *Government Code* Section 65302 provides that "the general plan shall consist of a statement of development policies and shall include a diagram or diagrams and text setting forth objectives, principles, standards, and plan proposals." The General Plan is required to include the following State mandated elements:

- Land Use;
- Circulation;
- Housing;
- Conservation;
- Open Space;
- Noise; and
- Safety,

In order to minimize redundancies or to better address local issues, general plans may merge or consolidate elements. A city or county may adopt other elements not required by law that address the physical development of the city or county. Although these elements are optional, once adopted they become an integral part of the general plan with the same force and effect as the required elements. All general plan elements have equal legal status and no element takes precedence over any other.

The Murrieta General Plan 2035 consists of the following 11 State mandated and optional elements:

- Land Use;
- Economic Development;
- Circulation;

- Infrastructure;
- Healthy Community;
- Conservation;
- Recreation and Open Space;
- Air Quality;
- Noise;
- Safety; and
- Housing.

2.3.2 PROGRAM ENVIRONMENTAL IMPACT REPORT AND APPENDICES

The General Plan 2035 Program EIR includes background data and environmental analysis, and the Technical Appendices includes technical reports on specific topics such as traffic, air quality, and noise.

Both the *Public Resource Code* and the *CEQA Guidelines* discuss the use of "tiering" environmental impact reports by lead agencies. *Public Resources Code* Section 21068.5 defines "tiering" as:

> *"…the coverage of general matters and environmental effects in an environmental impact report prepared for a policy, plan, program or ordinance followed by narrower or site-specific environmental impact reports which incorporate by reference the discussion in any prior environmental impact report and which concentrate on the environmental effects which (a) are capable of being mitigated, or (b) were not analyzed as significant effects on the environmental in the prior environmental impact report."*

The Murrieta General Plan 2035 Program EIR is intended to serve as a Program EIR or "first tier EIR." *CEQA Guidelines* Section 15168 states that a Program EIR can be prepared in connection with the *"issuance of rules, regulations, plans, or other general criteria to govern the conduct of a continuing program."* The Program EIR has been prepared for the General Plan 2035.

CEQA Guidelines Section 15168 (a) states that a Program EIR is appropriate for evaluating *". . . a series of actions that can be characterized as one large project and are related either: (1) Geographically; (2) As logical parts in the chain of contemplated actions; (3) In connection with the issuance of rules, regulations, plans, or other general criteria to govern the conduct of a continuing program; or (4) As individual activities carried out under the same authorizing statutory or regulatory authority and having generally similar environmental effects which can be mitigated in similar ways."*

According to *CEQA Guidelines* Section 15168 (b), the advantages of a Program EIR include the following: 1) provide an occasion for a more exhaustive consideration of effects and alternatives than would be practical in an EIR on an individual action; 2) ensure consideration of cumulative

impacts that might be slighted in a case-by-case analysis; 3) avoid duplicative reconsideration of basic policy considerations; 4) allow the Lead Agency to consider broad policy alternatives with program wide mitigation measures at an early time when the agency has greater flexibility to deal with basic problems or cumulative impacts, and 5) allow reduction in paperwork.

Subsequent development projects proposed within the City must be reviewed in the context of this Program EIR to determine if additional environmental documentation is required. If the subsequent project would have environmental effects not addressed in the Program EIR, additional environmental review will be required. Where no new effects and no new mitigation measures are involved, the subsequent project can be approved without additional environmental documentation. Where an EIR is required for a subsequent project, the EIR should implement the applicable mitigation measures developed in the Program EIR, and focus its analysis on site-specific issues not previously addressed.

2.4 COMPLIANCE WITH CEQA

2.4.1 EIR SCOPING PROCESS

In compliance with the *CEQA Guidelines*, the City of Murrieta has maximized opportunities for the public to participate in the environmental review process. During preparation of the General Plan 2035 Program EIR, efforts were made to contact various Federal, State, regional and local government agencies and other interested parties to solicit comments on the proposed project.

Due to the decision to prepare a Program Environmental Impact Report, an Initial Study Environmental Checklist was not prepared. This option is permitted under *CEQA Guidelines* Section 15063(a), which states that if the Lead Agency determines an EIR will be required for a project, the Lead Agency may skip further initial review and begin work on the EIR.

The Program EIR will focus on the following environmental issues:

- Aesthetics
- Agriculture and Forestry Resources
- Air Quality
- Biological Resources
- Cultural Resources
- Geology and Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Mineral Resources
- Noise
- Population and Housing

- Public Services
- Recreation
- Transportation and Traffic
- Utilities and Service Systems

NOTICE OF PREPARATION

Pursuant to the provision of *CEQA Guidelines* Section 15082, as amended, the City of Murrieta circulated a Notice of Preparation (NOP) to public agencies, special districts and members of the public who had requested such notice for a 30-day period, beginning November 22, 2010 and ending December 21, 2010. The purpose of the NOP was to formally announce that the City is preparing a Draft Program EIR for the City of Murrieta General Plan 2035, and that as Lead Agency, was soliciting input regarding the scope and content of the environmental information to be included in the General Plan 2035 Program EIR. An Initial Study Checklist was not circulated with the NOP. The NOP is provided in Appendix A.

NOP AND SCOPING RESULTS

The City of Murrieta received NOP comments from the following individuals, groups, and agencies:

- California Emergency Management Agency (Cal EMA)
- Citizens for Quality Life in Murrieta (CQLM)
- City of Menifee
- County of Riverside Transportation and Land Management Agency
- Department of Toxic Substances Control (DTSC)
- Jim Kelly, Murrieta Property Owner
- Johnson & Sedlack Attorney at Law
- MaryAnn Shushan Miller, Murrieta Resident
- Pechanga Cultural Resources
- Regional Conservation Authority (RCA)
- Riverside County Flood Control and Water Conservation District
- Riverside Transit Agency (RTA)
- Robert D. Wheeler, Ph.D, Murrieta Resident
- Santa Margarita Group/Sierra Club
- South Coast Air Quality Management District (SCAQMD)
- Southern California Association of Governments (SCAG)
- State of California Governor's Office of Planning and Research State Clearinghouse and Planning Unit
- United States Department of the Interior Fish and Wildlife Service

The specific environmental concerns outlined below in *Table 2.1*, *NOP Comments* were raised in responses to the NOP for the proposed General Plan 2035. The table briefly summarizes the comment(s), the relevant EIR section where the topic is addressed, topics that are relevant to be addressed in the Program EIR, and topics that are relevant to the addressed in the General Plan 2035. All NOP comment letters are provided in Appendix B.

Table 2.1
NOP Comments

Individual, Group or Agency	Comment	EIR Section[1]	General Plan 2035[2]
California Emergency Management Agency (Cal EMA)	Examine the sections of state planning law that involve potential hazards the City may face and determine if there are hazard issues within the community which the GP should address.	Not Applicable to EIR	X
Citizen for Quality Life in Murrieta (CQLM)	Include the draft policies and goals for the Los Alamos Hills Specific Plan.	Not Applicable to EIR	X
	Remove two very high density projects within the community and from the Housing Element, General Plan Update, and EIR.	Not Applicable to EIR	X
	Analyze how the City's growth would affect the provision of water and sewer services, change traffic patterns and safety, Police and Fire response times, pedestrian and trail safety, air quality impacts, and the provision of public open space versus private property rights in the Los Alamos Hills area.	Section 5.1, Land Use Section 5.2, Population, Employment, and Housing Section 5.4, Traffic and Circulation Section 5.5, Air Quality Section 5.8, Geology and Seismic Hazards Section 5.13, Hydrology, Drainage, and Water Quality Section 5.14, Hazards and Hazardous Materials, Section 5.15, Water Supply Section 5.16, Wastewater Section 5.17, Fire Protection Section 5.18, Police Protection Section 5.20, Parks and Recreational Facilities	
	Analyze the financial impacts of implementing the goals and policies of the General Plan on a neighborhood-by-neighborhood basis, including Los Alamos Hills.	Not Applicable to EIR	X
	Evaluate all possible funding tools and mechanisms legally available to the City and each neighborhood which might help mitigate the financial burden resulting from implementation of the General Plan 2035.	Not Applicable to EIR	X
	There should be goals and policies to encourage City staff to actively pursue all Federal, State, and County grant opportunities as well as other funding sources.	Not Applicable to EIR	X
City of Menifee	Potential impacts to regional transportation corridors within the project vicinity, specifically possible impacts to the interchanges along Interstate 215. The DEIR should identify mitigation measures for impacts to regional transportation corridors.	Section 5.4, Traffic and Circulation	

Table 2.1 [continued]
NOP Comments

Individual, Group or Agency	Comment	EIR Section[1]	General Plan 2035[2]
County of Riverside Transportation and Land Management Agency	Traffic study to address potential impacts and mitigation measures on all roadways in the County General Plan that might be affected.	Section 5.4, Traffic and Circulation	
	If a modeling process is to be used, model inputs and assumptions should be thoroughly documented. The recently developed RIVTAM is the suggested model.	Section 5.4, Traffic and Circulation	
Department of Toxic Substances Control (DTSC)	Evaluate whether conditions within the project area may pose a threat to human health or environment.	Section 5.14, Hazards and Hazardous Materials	
	Identify the mechanism to initiate any required investigations and/or remediation for any site that may be contaminated. If necessary, DTSC would require an oversight agreement in order to review.	Section 5.14, Hazards and Hazardous Materials	
	Environmental investigations, sampling and/or remediation for a site should be conducted under a Workplan and the findings should be summarized.	Section 5.14, *Hazards and Hazardous Materials*	
	If any demolition, an investigation should be conducted for the presence of other hazardous materials. If other hazardous materials are identified, proper precautions should be taken during demolition activities and contaminants should be remediated in compliance with California environmental regulations and policies.	Section 5.14, Hazards and Hazardous Materials	
	If soil is contaminated, it must be properly disposed and not simply placed in another location onsite. Land Disposal Restrictions (LDRs) may be applicable to such soils.	Section 5.14, Hazards and Hazardous Materials	
	Human health and the environment of sensitive receptors should be protected during any construction or demolition.	Section 5.14, Hazards and Hazardous Materials	
	If it is determined that hazardous wastes are, or will be, generated by the proposed operations, the wastes must be managed in accordance with the California Hazardous Waste Control Law and Hazardous Waste Control Regulations.	Section 5.14, Hazards and Hazardous Materials	
Jim Kelly, Murrieta Property Owner	Remove two very high density projects within the community and from the Housing Element, General Plan 2035 and EIR.	Not Applicable to EIR	X
Johnson & Sedlack Attorney at Law (on behalf of the Elsinore Murrieta Anza Resource Conservation District and Sierra Club	Provide a range of alternatives. Concerned with changes to the implementation of the MSHCP as well as maintaining connectivity of natural areas.	Section 6.0, Alternatives	
	Include a climate action plan.	Section 5.5, Air Quality Section 5.6, Greenhouse Gas Emissions	X
	Do not just consider the "natural beauty" of natural areas but also their functionality for wildlife, wildlife corridors and functional riparian areas. Discuss plans for recharge of aquifers and methods of preventing overdraft of existing aquifers.	Section 5.3, Aesthetics Section 5.10, Biological Resources Section 5.13, Hydrology, Drainage, and Water Quality.	
	Evaluate the health effects of diesel particulates.	Section 5.5, Air Quality	
	Evaluate policies designed to ensure that there will be adequate funding for development of transportation resources.	Not Applicable to EIR	X

Table 2.1 [continued]
NOP Comments

Individual, Group or Agency	Comment	EIR Section[1]	General Plan 2035[2]
	Provide policies to ensure noise emissions, including during construction, do not exceed thresholds.	Not Applicable to EIR	X
MaryAnn Shushan Miller, Murrieta Resident	Analysis of impacts for the MSHCP, RCA report on conservation, affordable housing.	Not Applicable to EIR	X
	Analysis of Los Alamos Hills Specific Plan	Not Applicable to EIR	X
Pechanga Cultural Resources	Must include involvement of and consultation with the Pechanga Tribe. Cultural resources should be evaluated in the DEIR.	Section 5.9, Cultural Resources	
Regional Conservation Authority (RCA)	City will need to ensure the DEIR is consistent with the MSHCP, including Reserve Assembly and special survey requirements. Land designations shown on Exhibit 2 of the General Plan 2035 Focus Areas included with the NOP should not conflict with the Reserve Assembly Goals of the MSHCP. City should be aware that Proposed Constrained Linkage 16 is located within areas designated as Professional and Office on Exhibit 2.	Section 5.9, Cultural Resources Section 5.10, Biological Resources	
Riverside County Flood Control and Water Conservation District	The DEIR should fully evaluate any potential impacts to proposed MDP facilities.	Section 5.8, Geology and Seismic Hazards Section 5.13, Hydrology, Drainage, and Water Quality.	
Riverside Transit Agency (RTA)	Allow bus stops the proper space for buses to board and align passengers.	Section 5.4, Traffic and Circulation	X
	Assure streets are constructed to accommodate buses.	Section 5.4, Traffic and Circulation	X
	Construct sidewalks that are ADA compliant.	Section 5.4, Traffic and Circulation	X
	Include installation of bus stop amenities at waiting locations such as shelters, benches, and trash receptacles.	Section 5.4, Traffic and Circulation	X
	Provide right-of-way for pedestrian connectivity for easy access to stops and mobility throughout.	Section 5.4, Traffic and Circulation	X
Robert Wheeler, Ph.D, Murrieta Resident	MSHCP process.	Not Applicable to EIR	X
	Water quality and supply concerns.	Section 5.13, Hydrology, Drainage, and Water Quality Section 5.15, Water Supply Section 5.16, Wastewater	
Santa Margarita Group/Sierra Club	Incorporate the recommendations made in the County City Arroyo Committee report of 2006 to ensure water quality and preservation of waterways.	Section 5.13, Hydrology, Drainage, and Water Quality Section 5.15, Water Supply Section 5.16, Wastewater	X
	City creates a comprehensive map of the City's watercourses that would include the owners, conservations efforts and managers.	Not Applicable to EIR	X
	City develops methods to steward and protect these stretches so that HOAs, landowners, groups, and youth can participate and become educated in preserving these watercourses.	Not Applicable to EIR	X

Table 2.1 [continued]
NOP Comments

Individual, Group or Agency	Comment	EIR Section[1]	General Plan 2035[2]
South Coast Air Quality Management District	Identify any potential adverse air quality impacts (construction and operations) that could occur from all phases of the project and all air pollutant sources related to the project. Quantify PM 2.5 emissions and compare the results to the recommended PM 2.5 significance thresholds. Analyze regional air quality impacts. Calculate localized air quality impacts and compare to results to LSTs. Perform a mobile source health risk assessment. Identify possible mitigation measures.	Section 5.5, Air Quality	
Southern California Association of Governments (SCAG)	The proposed project is regionally significant. Use a side-by-side comparison of all SCAG policies with a discussion of the consistency, non-consistency or non-applicability of the policy and supportive analysis in table format. Use the SCAG List of Mitigation Measures extracted from the RTP.	Section 5.1, Land Use Section 5.2, Population, Employment, and Housing Section 5.4, Traffic and Circulation Section 5.5, Air Quality	
United States Department of the Interior Fish and Wildlife Service	The MSHCP Guidelines Pertaining to the Urban Wildlands Interface require that the quantity and quality of runoff discharged to the MSHCP Conservation Area not be altered in an adverse way when compared with existing conditions. DEIR to address any potential effects from land use changes under the proposed General Plan 2035 to the quantity and quality of surface water available to Warm Springs and Murrieta Creeks.	Section 5.1, Land Use Section 5.10, Biological Resources Section 5.13, Hydrology, Drainage, and Water Quality Section 5.15, Water Supply Section 5.16, Wastewater	

1 = The EIR section in which the analysis is provided.
2 = The comment is relevant for the General Plan 2035, not the General Plan 2035 EIR.

2.4.2 PUBLIC REVIEW OF DRAFT EIR

The Draft EIR is subject to a 45-day review period by responsible and trustee agencies and interested parties. In accordance with the provisions of *CEQA Guideline* Sections 15085(a) and 15087(a)(1), the City of Murrieta, serving as the Lead Agency, has 1) published a Notice of Availability (NOA) to the public of a Draft EIR and 2) prepared and transmitted a Notice of Completion (NOC) to the California State Clearinghouse. Proof of publication is available at the City of Murrieta.

Any public agency or members of the public desiring to comment on the Draft EIR must submit their comments in writing to the Lead Agency at the address on the NOC prior to the end of the public review period. The Lead Agency will evaluate and prepare responses to all written comments received from both citizens and public agencies during the public review period.

2.4.3 FINAL EIR

The Final EIR will consist of the Draft EIR, revisions to the Draft EIR, comments received in the review process, a list of persons commenting and responses to comments. After the Final EIR is completed, and at least 10 days prior to the certification hearing, a copy of the response to comments made by public agencies on the Draft EIR will be provided to the commenting agencies.

2.5 INTENDED USES OF THIS EIR

The City of Murrieta, as the Lead Agency for this project, will use this Program EIR in consideration of the proposed General Plan 2035. This document will provide environmental information to several other agencies affected by the project, or which are likely to have an interest in the project.

Certain projects or actions undertaken by a Lead Agency require subsequent oversight, approvals, or permits from other public agencies in order to be implemented. Such other agencies are referred to as Responsible Agencies and Trustee Agencies. Pursuant to *CEQA Guidelines* Sections 15381 and 15386, as amended, Responsible Agencies and Trustee Agencies are respectively defined as follows:

> *"Responsible Agency" means a public agency, which proposes to carry out or approve a project, for which [a] Lead Agency is preparing or has prepared an EIR or Negative Declaration. For the purposes of CEQA, the term "responsible agency" includes all public agencies other than the Lead Agency, which have discretionary approval power over the project. (Section 15381)*
>
> *"Trustee Agency" means a state agency having jurisdiction by law over natural resources affected by a project, which are held in trust for the people of the State of California. Trustee Agencies include; The California Department of Fish and Game, The State Lands Commission; The State Department of Parks and Recreation and The University of California with regard to sites within the Natural Land and Water Reserves System. (Section 15386)*

Various State and Federal agencies exercise control over certain aspects of the City and the Sphere of Influence. The various public, private, and political agencies and jurisdictions with particular interest in the proposed project include, but are not limited to the following:

- Adelphia Cable
- Audubon Society
- Building Industry Association
- Cahuilla Band of Indians

- California Air Resources Board (CARB)
- California Department of Conservation
- California Department of Fish and Game (CDFG)
- California Department of Transportation (Caltrans) District 8
- California Department of Toxic Substances Control (DTSC)
- California Highway Patrol (CHP)
- California Environmental Protection Agency (CalEPA)
- California Regional Water Quality Control Board (CRWQB)
- Cal-Tech/Mount Palomar Observatory
- City of Murrieta Fire Department (CMFD)
- City of Murrieta Police Department (CMPD)
- City of Lake Elsinore
- City of Menifee
- City of Temecula
- City of Wildomar
- Department of Toxic Substances Control (DTSC)
- Eastern Information Center Anthropology Department, University of California
- Eastern Municipal Water District (EMWD)
- Elsinore-Murrieta-Anza Resource Conservation District
- Elsinore Valley Municipal Water District (EVMWD)
- Endangered Habitats League
- Los Alamos Neighborhood Association
- Menifee Unified School District (MUSD)
- Menifee Valley Un-inc. Community
- Metropolitan Water District of Southern California (MWD)
- Murrieta Valley Unified School District (MVUSD)
- Pechanga Band of Luiseno Indians
- Rancho California Water District (RCWD)
- Riverside County Airport Land Use Commission
- Riverside County Department of Environmental Health
- Riverside County Flood Control District
- Riverside County Planning Department
- Riverside County Transportation Commission
- Riverside County Transportation Department (RCTD)
- Riverside Transit Agency (RTA)
- San Bernardino County Museum

- Soboba Indian Reservation
- South Coast Air Quality Management District (SCAQMD)
- Southern California Association of Governments (SCAG)
- Southern California Association of Governments Riverside County Regional Office;
- Southern California Edison (SCE)
- Southern California Gas Company (SCG)
- State Clearinghouse Office of Planning & Research;
- United Murrieta Neighborhoods
- Union for a River Greenbelt Environment
- U.S. Department of the Army Corps of Engineers (ACOE)
- U.S. Fish & Wildlife Service (USFWS)
- U.S. Postal Service
- U.S. Environmental Protection Agency (U.S. EPA
- Verizon of California
- Waste Management of Inland Valley
- Western Municipal Water District (WMWD)
- Western Riverside Council of Governments

Some of the Federal, State or regional agencies listed above may be Responsible or Trustee Agencies, and may use this EIR in their decision-making process or for informational purposes include.

2.6 FORMAT OF THE PROGRAM EIR

Section 1.0, Executive Summary, provides a brief project description and summary of the environmental impacts and mitigation measures and alternatives.

Section 2.0, Introduction and Purpose, provides an overview of the proposed Murrieta General Plan 2035 and the scope, use and approach of the Program EIR, including CEQA compliance information.

Section 3.0, Project Description, provides a detailed project description of the General Plan 2035. This section describes the environmental setting and defines the project.

Section 4.0, Basis of Cumulative Analysis, describes the approach and methodology for the cumulative analysis.

Section 5.0, Environmental Analysis, evaluates the impacts associated with implementation of the proposed General Plan 2035. This section contains a detailed environmental analysis of the existing conditions, project impacts, recommended mitigation measures, and unavoidable adverse impacts for a number of environmental topic areas. Mitigation measures that are incorporated into the General Plan 2035 in the form of goals and policies are described and additional mitigation measures, which may be required to mitigate project impacts, are recommended.

Section 6.0, Alternatives, describes a reasonable range of alternatives to the project that could avoid or substantially lessen the significant impact of the project and still feasibly attain the basic project objectives.

Section 7.0, Other CEQA Considerations, discusses growth-inducing impacts associated with the proposed project; significant environmental changes that would be involved with the proposed project, should it be implemented; significant irreversible environmental changes that would be involved with the proposed project, should it be implemented; and energy efficiency pursuant to *CEQA Guidelines* Appendix F.

Section 8.0, Effects Found Not To Be Significant, provides an explanation of potential impacts that have been determined not to be significant.

Section 9.0, Significant Environmental Effects Which Cannot Be Avoided if the Proposed Action is Implemented, describes those impacts that remain significant and unavoidable following mitigation.

Section 10.0, References, lists the organizations and individuals contacted during the preparation of the General Plan 2035 Program EIR, report preparation personnel and a list of reference materials.

Section 11.0, Mitigation Monitoring Program, identifies responsibilities for monitoring mitigation.

Section 12.0, Comments and Responses, includes both the comment letters, and list of commentors, and responses to comments, as well as a comprehensive list of errata and changes incorporated into the Final General Plan and EIR.

The following Appendices contain the technical documentation for the General Plan 2035 and General Plan 2035 EIR:

Appendix A: Notice of Preparation
Appendix B: Notice of Preparation Comments
Appendix C: Traffic Impact Analysis
Appendix D: Air Quality Data

Appendix E: Noise Data
Appendix F: Public Service/Utility Correspondence
Appendix G: Seismic & Geologic Hazards Existing Conditions Report
Appendix H: Biological Resources Existing Conditions Report
Appendix I: Cultural Resources Existing Conditions Report
Appendix J: Riverside County Planning Department – Permitted Surface Mines
Appendix K: Parks & Open Space Available on School Sites
Appendix L: Eastern Municipal Water District Reference Materials
Appendix L1: 2005 Urban Water Management Plan
Appendix M: Elsinore Valley Municipal Water District Reference Materials
Appendix M1: 2005 Urban Water Management Plan
Appendix M2: Regional Recycled Water Project Facilities Report – 2006
Appendix M3: Water Distribution System Master Plan – 2008
Appendix M4: Sewer System Management Plan – 2008
Appendix N: Rancho California Water District Reference Materials
Appendix N1: 2005 Urban Water Management Plan
Appendix N2: Addendum to 2005 Urban Water Management Plan
Appendix N3: Water Facilities Master Plan Update – 2005
Appendix N4: Sewer System Management Plan – 2008
Appendix N5: Wastewater Facilities Master Plan – 2005
Appendix O: Western Municipal Water District Reference Materials
Appendix O1: 2005 Urban Water Management Plan
Appendix O2: Master Water Planned Facilities – 2008
Appendix P: Climate Action Plan
Appendix Q: Murrieta Office & Industrial Data Review Report
Appendix R: Murrieta Economic Trends & Conditions Report
Appendix S: Fiscal Analysis
Appendix T: Murrieta General Plan Update Retail Land Use Market Analysis

2.7 INCORPORATION BY REFERENCE

Pertinent documents relating to this EIR have been cited in accordance with *CEQA Guidelines* Section 15148, which encourages "incorporation by reference" as a means of reducing redundancy and length of environmental reports. The following documents, which are available for public review at the City of Murrieta, Community Development Department, located at One Town Square, 24601 Jefferson Avenue, Murrieta, California 90622 are hereby incorporated by reference into this EIR. Information contained within these documents has been utilized for each section of this EIR. A brief synopsis of the scope and content of these documents are provided below.

- ***City of Murrieta Municipal Code* (Municipal Code), 1995.** The *City of Murrieta Municipal Code* consists of all the regulatory, penal, and administrative ordinances of the City of Murrieta. It is the method the City uses to implement control of land uses, in accordance with Murrieta General Plan goals and policies. Murrieta's Zoning law is found in Title 16, Development Code, of the City of Murrieta Municipal Code. The City of Murrieta Zoning Code carries out the policies of the Murrieta General Plan by regulating development and land uses within the City, consistent with the General Plan. The Murrieta Zoning Code was adopted to protect and promote the public health, safety, comfort, convenience, prosperity, and general welfare of the City's residents and businesses. Implementation of General Plan 2035 will include necessary amendments to the Murrieta Municipal Code to maintain consistency as required by State law.

- ***City of Murrieta Official General Plan/Zoning Map*, Adopted July 20, 1999; Amended February 7, 2006.** The General Plan/Zoning Map was used to identify the zoning of the properties within the City.

- ***Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP)*, Adopted June 17, 2003.** On June 17, 2003, the Riverside County Board of Supervisors approved Resolution 2003-299, which certified the MSHCP Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS), approved the MSHCP, and approved the Implementing Agreement for the MSHCP.

  The MSHCP is a multi-jurisdictional habitat conservation plan focusing on the conservation of both sensitive species and their associated habitats to address biological diversity and conservation needs in Western Riverside County, which would set aside significant areas of undisturbed land for the conservation of habitat while preserving open space and recreational opportunities. The MSHCP boundaries (or MSHCP Plan Area) encompass approximately 1,966 square miles consisting of approximately 842,500 acres of unincorporated County land west of the crest of the San Jacinto Mountains to the Orange County line, as well as approximately 372,700 acres within the jurisdictional areas of the following incorporated cities: Banning, Beaumont, Calimesa, Canyon Lake, Corona, Hemet, Lake Elsinore, Moreno Valley, Murrieta, Norco, Perris, Riverside, San Jacinto, and Temecula.

  The MSHCP establishes a framework for compliance with State and Federal endangered species regulations while accommodating future growth in Western Riverside County, including issuance of "Take" permits for certain species pursuant to Section 10(a)(1)(B) of the Federal Endangered Species Act and Section 2800 et seq. of the *California Fish and Game Code*.

  The MSHCP provides for the creation of a Conservation Area that protects and manages 500,000 acres of habitat for Covered Species (146 species). The 500,000 acres comprises of 347,000 acres of Public/Quasi-Public Lands and approximately 153,000 acres of Additional Reserve Lands. Of the 153,000 acres, Local Permitees will be responsible for

contributing approximately 97,000 acres of privately owned land, and the State and Federal contribution will be 56,000 acres. As part of the local mitigation component, 41,000 of the 97,000 acres conserved would accrue through the implementation of developer incentives and onsite set asides accomplished through the development review process. The precise boundaries of the proposed 153,000-acre reserve are not specifically identified in the MSHCP. Rather, the proposed reserve will be assembled pursuant to written criteria that describe a possible design for the 153,000-acre reserve to be established within a larger area, which is called the "Criteria Area." The conservation of 153,000 acres is anticipated to occur over the first 25 years of the program and when completed, must be in a configuration to, and include the vegetation communities that, provide for the conservation of Covered Species. Covered Activities would include, but are not limited to, public and private development (within the Plan Area) that require a discretionary and certain ministerial action by a Permittee subject to consistency with MSHCP policies, maintenance of and safety improvements on existing roads, the Circulation Elements of the Permittees, maintenance and construction of flood control facilities, single-family homes on existing legal parcels with the Criteria Area, up to 10,000 new acres of agricultural activity within the Criteria Area, and compatible uses in the Conservation Area. The MSHCP makes a provision for the inclusion of special districts and other nonpermittee entities in the permit with a certificate of inclusion.

- ***Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP), Final Environmental Impact Report/Environmental Impact Statement.* Adopted June 17, 2003.** On June 17, 2003, the Riverside County Board of Supervisors approved Resolution No. 2003-299, which certified the MSHCP Final Environmental Impact Report/Environmental Impact Statement (Final EIR/EIS), approved the MSHCP (Proposed Action), and approved the Implementing Agreement for the MSHCP. As part of Resolution No. 2003-299, the Board of Supervisors adopted environmental findings and a Statement of Overriding Considerations.

  The EIS/EIS reviewed the Proposed Action – MSHCP and four alternatives: 1) Listed, Proposed, and Strong Candidate Species Alternative; 2) Listed and Proposed Species Alternative, 3) Existing Reserves Alternatives, and 4) No Project/No MSHCP Alternative. The following topical areas were reviewed in the EIR/EIS: Biological Resources; Agricultural and Extractive Resources; Population, Employment, and Housing; Public Services (Fire Protection and Parks); and Transportation and Circulation.

  The impact conclusions for the Proposed Action/Proposed MSHCP from the EIR/EIS (Table ES-8) are provided below. All impacts were concluded to be less than significant, except for the following three significant and unavoidable impacts:

  1) Sensitive Upland (chapparal, coastal sage scrub, desert scrub, grasslands, Riversidean alluvial fan sage scrub)

2) Non-Covered Species

3) Existing population and housing projections are substantially exceeded

Impact Category and Issue	Summary of Significance of Impacts After Incorporation of Mitigation Measures
Biology	
Sensitive Natural Vegetation Communities	
Sensitive Upland (chapparal, coastal sage scrub, desert scrub, grasslands, Riversidean alluvial fan sage scrub)	*Significant and unavoidable*
Wetland Communities (meadows and marshes, playas and vernal pools, water and riparian scrub/woodland/forest)	Less than significant
Forest Communities (montane coniferous forest, peninsular juniper woodland and scrub, woodlands and forest)	Less than significant
Listed Covered Species	Less than significant
Non-Listed Covered Species	Less than significant
Non-Covered Species	*Significant and unavoidable*
Cores and Linkages	Less than significant
Relationship to Adopted or Approved HCPs and NCCPs	Less than significant
Edge Effects	Less than significant
Agricultural and Extractive Resources	
Agriculture	
Conflict with existing agricultural designations for land within the MSHCP Plan Area or a Williamson Act contract.	Less than significant[1]
Result in the conversion of Prime, Unique, or Statewide Important farmland (collectively, "Designated Farmland") as shown on maps prepared by the Farmland Mapping and Monitoring Program, to non-agricultural uses.	Less than significant
Involve other changes in the existing environment which, due to their location or nature, could result in the conversion of Designated Farmland to non-agricultural use.	Less than significant
Mineral Resources	
Results in the loss of availability of a known mineral resource that would be of value to the region and the residents of the State.	Less than significant
Results in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan.	Less than significant
Directly conflicts or results in land use incompatibility with adjacent existing and planned land uses or with the environmental goals of the general plans and community plans of the jurisdictions participating in the proposes MSHCP.	Less than significant
Population, Housing, and Employment	
Existing population and housing projections are substantially exceeded.	*Significant and unavoidable*
Displaces substantial numbers of residential units, requiring the construction of replacement housing elsewhere.	Less than significant
Displaces substantial numbers of persons, necessitating the construction of replacement housing.	Less than significant

Impact Category and Issue	Summary of Significance of Impacts After Incorporation of Mitigation Measures
Exacerbates the jobs-to-housing imbalance in western Riverside County or the Cities of western Riverside County.	Less than significant
Public Services (Fire Protection and Parks)	
Results in relocation or deletion of existing or planned fire protection facilities, adversely affecting the ability of local jurisdictions to provide fire protection in an adequate manner.	Less than significant
Results in the relocation or deletion of existing or planned park facilities, adversely affecting the ability of local jurisdictions to provide park facilities in an adequate manner.	Less than significant
Transportation and Circulation	
Cause an increase in traffic that is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)	Less than significant
Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways	Less than significant
Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)	Less than significant
Result in inadequate emergency access	Less than significant
Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)	Less than significant
1. If Section 7.3.3 of the MSHCP is implemented, conversion of natural lands to agricultural use, as defined and outlined in those sections of the MSHCP, will be allowed as a covered activity within the Criteria Area, up to an established threshold of 10,000 acres over the life of the plan (the "New Agricultural Lands Cap"). If Section 7.3.3 of the MSHCP is not implemented, then there would be a significant unavoidable adverse impact on agricultural lands.	

On September 16, 2003, the City of Murrieta City Council adopted Resolution No. 03-124, which is a resolution of the City Council of the City of Murrieta making responsible agency findings pursuant to the California Environmental Quality Act for the Multiple Species Habitat Conservation Plan/Natural Community Conservation Plan and approving the Western Riverside County Multiple Species Habitat Conservation Plan/Natural Community Conservation Plan and Implementing Agreement, adopting the environmental findings pursuant to the California Environmental Quality Act, and adopting a Statement of Overriding Considerations. With Resolution No. 03-124, the City Council resolved:

A. The Final EIR/EIS prepared for the MSHCP has been received by the city Council and incoporated herein by this reference.

B. The City Council hereby finds and determines that the Final EIR/EIS has been completed incompliance with CEQA and the State CEQA Guidelines and, as the decision-making body for the City of Murrieta, the City Council has review and considered the information

contained in the Final EIR/EIS and related documents in the record and all of the environmental effects of the MSHCP.

C. The City Council concurs with the environmental findings in County Resolution No. 2003-299 and adopts these finding, attached hereto as Exhibit B and incorporated herein by this reference. The City Council also finds that there are no additional feasible mitigation measures or alternatives within its powers that would substantially lessen or avoid any significant effects that the MSHCP would have on the environment.

D. The City Council concurs with the statement of overriding considerations in County Resolution No. 2003-299 and adopts the statement, and finding that the benefits of the MSHCP outweigh the adverse environmental impacts not reduced to below a level of significance.

E. The City Council hereby approves the MSHCP and authorizes the Mayor to execute the Implementing Agreement.

F. The City Council hereby authorizes and directs that a Notice of Determination shall be filed with the Clerk of the County of Riverside within five (5) working days of approval of the Project.

2.8 CEQA DOCUMENT TIERING

Both the *Public Resources Code* and the *CEQA Guidelines* discuss the use of "tiering" environmental impact reports by lead agencies. *Public Resources Code* Section 21068.5 defines "tiering" as:

"The coverage of general matters and environmental effects in an environmental impact report prepared for a policy, plan, program or ordinance followed by narrower or site-specific environmental impact reports which incorporate by reference the discussion in any prior environmental impact report and which concentrate on the environmental effects which: (a) are capable of being mitigated, or (b) were not analyzed as significant effects on the environment in the prior environmental impact report."

Tiering is a method to streamline EIR preparation by allowing a Lead Agency to focus on the issues that are ripe for decision and exclude from consideration issues already decided or not yet read for decisions (*CEQA Guidelines* Sections 15152 and 15385). The concept of tiering anticipates a multi-tiered approach to preparing EIRs. The first-tier EIR covers general issues in a broader program-oriented analysis, including important program resource and mitigation commitments required to be implemented at the project-level. Subsequent tiers incorporate by reference the general discussions from the broader document, concentrating on the issues specific to the proposed action being evaluated (*CEQA Guidelines* Section 15152).

When an EIR has been prepared and certified for a program or plan consistent with CEQA's tiering requirements, a Lead Agency for a later project pursuant to or consistent with the program or plan should limit the EIR on the later project to effects that were not examined as significant effects on the environment in the prior EIR. In those situations where a programmatic document does not specifically address and analyze the impacts and mitigation measures necessary for a project-level action, the project-level environmental review can be streamlined by tiering from the program-level documents. Agencies are encouraged to tier their CEQA analysis to avoid repetition of issues and to focus on the issues for decision at each level of review. Subsequent CEQA compliance involves either the preparation of an EIR or Negative Declaration.

For purposes of tiering, significant environmental effects have been "adequately addressed" in the first-tier document if the Lead Agency determines that the significant environmental effects:

- Have been mitigated or avoided as a result of the prior EIR and adopted findings in connection with that prior EIR

- Have been examined at a sufficient detail in the prior EIR to enable those effects to be mitigated or avoided by site-specific revisions, the imposition of conditions, or by other means with the approval of the later project; and

- Cannot be mitigated to avoid or substantially lessen the significant impacts despite the project proponent's willingness to accept all feasible mitigation measures, and the only purpose of including analysis of such effects in another EIR would be to put the agency in a position to adopt a statement of overriding considerations with respect to the effects.

In the case of this proposed project (General Plan 2035), a Final EIR/EIS was certified for the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) in June 2003. The Final EIR/EIS analyzed the impacts associated with adopting the MSCHP, including the issuance of "Take" permits for certain species pursuant to Section 10(a)(1)(B) of the Federal Endangered Species Act and Section 2800 et seq. of the *California Fish and Game Code*. The MSCHP was previously described in Section 2.7, Incorporation by Reference, as were the five CEQA/NEPA (National Environmental Policy Act) topical areas reviewed in the Final EIR/EIS.

The Western Riverside County Multiple Species Habitat Conservation Plan Final EIR/EIS is considered a first-tier EIR. The EIR for this proposed project (General Plan 2035) is considered a second-tier EIR for the topic of biological resources. The analysis in this EIR has: 1) incorporated by reference the Western Riverside County Multiple Species Habitat Conservation Plan Final EIR/EIS and 2) will tier the analysis in this EIR to focus on impacts within the City of Murrieta not previously analyzed in the Final EIR/EIS.

This second-tier EIR for the topic of biological resources will be used by the Lead Agency (City) to evaluate the proposed General Plan 2035's environmental impacts, and can be further used to modify, approve, or deny the approval of the proposed General Plan 2035 based on the analysis it provides.

the future of southern california
Murrieta
General Plan Update

Section 3.0
Project Description

3.0 PROJECT DESCRIPTION

3.1 ENVIRONMENTAL LOCATION AND SETTING

The City of Murrieta is located in southeastern Riverside County, and is comprised of 26,852 acres (41.96 square miles) of which 21,511 acres (33.61 square miles) is located within the City limits and 5,341 acres (8.34 square miles) is located within the City's Sphere of Influence. Surrounding cities include Menifee to the north, Temecula to the south and east, Wildomar to the west, and unincorporated Riverside County to the north, south, and east. The San Diego County border is just south of Temecula, and Orange County lies on the other side of the Santa Ana Mountains to the west. Regional access to the City is provided by the Interstates 15 and 215; refer to *Exhibit 3-1*, *Regional Location Map*.

3.2 BACKGROUND

The City's existing General Plan (1994, 2006 amendments) consists of the following eight State mandated and optional elements:

- Land Use
- Housing
- Circulation
- Conservation and Open Space
- Safety
- Noise
- Air Quality
- Economic Development

Murrieta has changed significantly since its first General Plan was adopted in 1994. Subsequent updates to the Land Use Element, Circulation, and Economic Development Elements were completed in 2006. The national recession and pause in development pressure has provided an opportunity to realign City policy to prepare for the next period of growth. In 2009, the City of Murrieta initiated a comprehensive update of the General Plan.

ECONOMIC DEVELOPMENT FOUNDATION FOR GENERAL PLAN UPDATE

Prior to commencing the comprehensive update to the City's General Plan, the City Council undertook a number of steps that lead to Council's determination that economic development is the City's number one priority and how that priority would serve as the foundation for the General Plan Update.

February 2008

The City Council authorized a sub-committee of the Council, comprised of two Council members, to evaluate a land use strategy benefiting the City's economic future. The Land Use Sub-Committee's directive was to meet with staff (City Manager, Planning Director, and Economic Development Director) to discuss the City's long-term economic opportunities, to determine if land uses and development standards should be amended to meet the City's economic objectives for the generation of revenue and the promotion of jobs.

October 2008

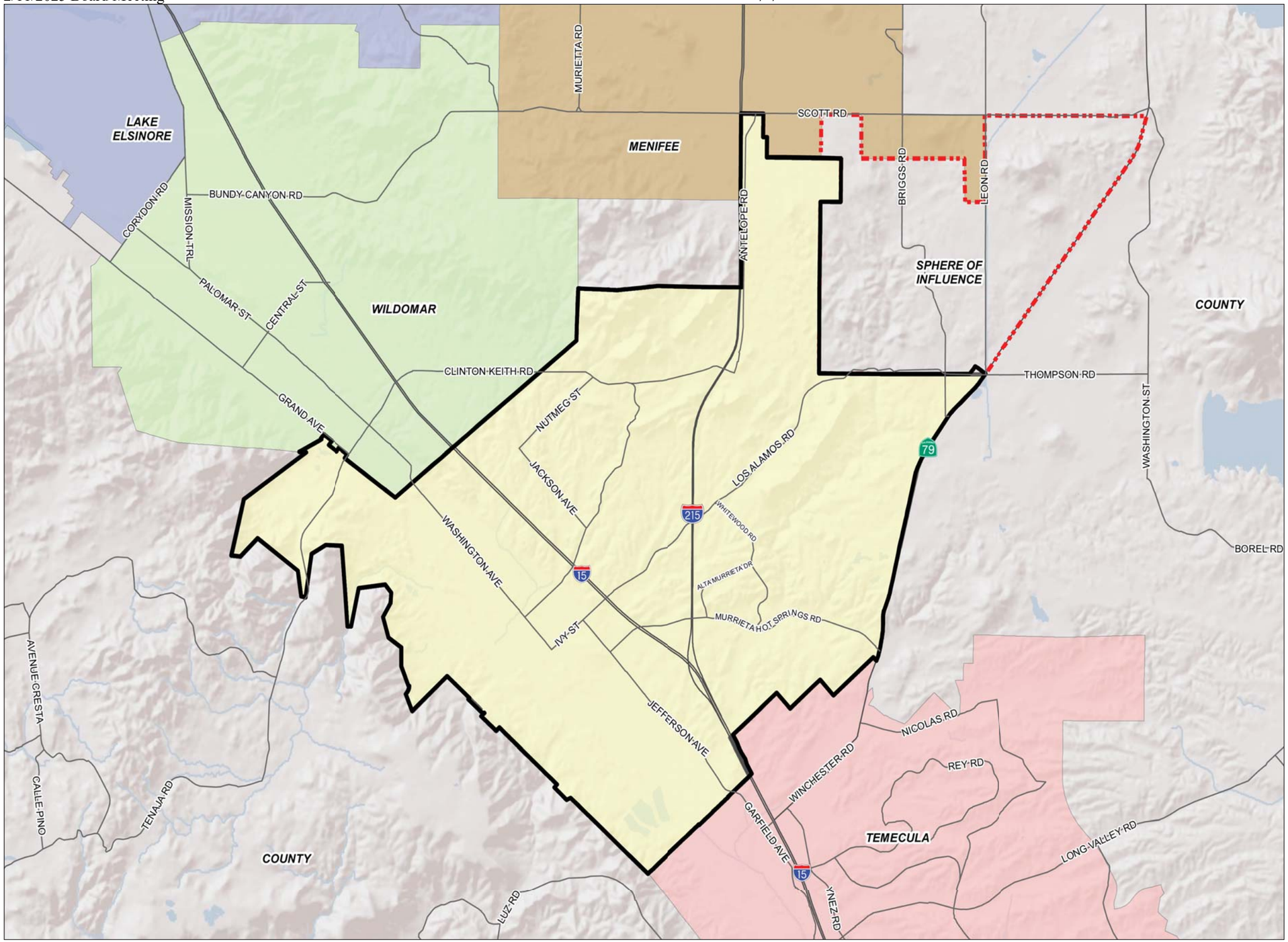
The City Council put in place Murrieta's first Comprehensive Economic Development Strategy (refer to Appendix U), which established economic development as the City Council's number one priority. The strategy is intended to diversify the City's economic base through three key purposes: 1) to serve as a roadmap for public and private actions to stimulate economic development, 2) encourage growth and diversification of the local economy, and 3) to promote the creation of higher pay jobs, income, and wealth in the community. The Strategy articulates a 20-year vision that includes both short-term and long-term actions, along with the following vision statements:

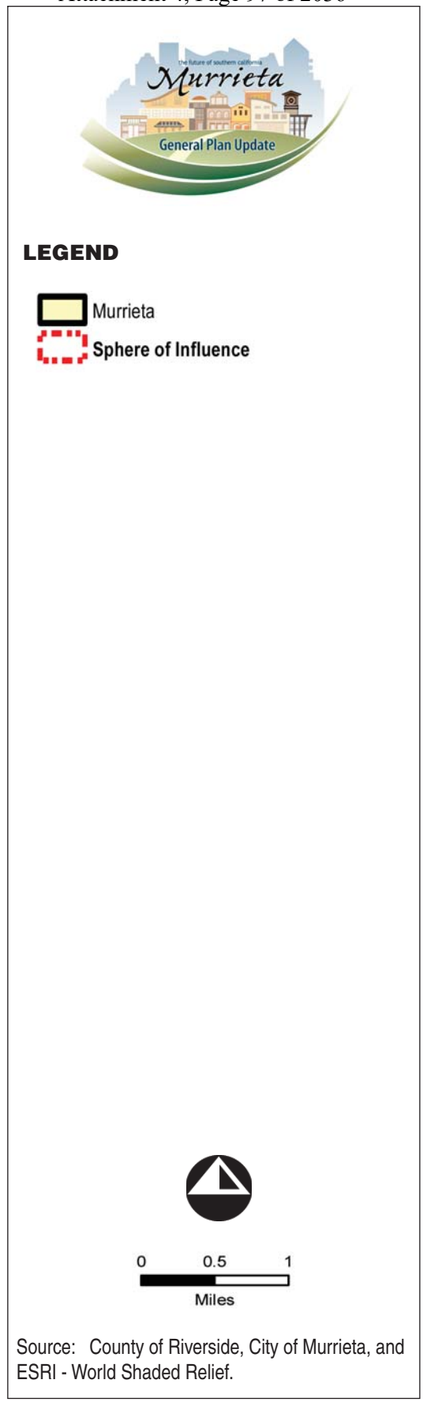
- *Murrieta to become diversified retail, corporate, and business hub for the region, offering high quality development, safe environment, and outstanding quality of life.*

- *Murrieta will become home to technologically advanced firms, higher educational facilities, wide variety of national and upscale retail, sit-down restaurants, quality hotels and new specialty auto dealerships, and a revitalized Historic Downtown.*

December 2008

A City Council workshop was conducted presenting the recommendations of the Land Use Sub-Committee and directed staff to return to the City Council with a work program and budget. The Land Use Sub-Committee determined that as land for office and research and development opportunities becomes saturated in the greater San Diego area, the City of Murrieta will provide the land for the next wave of development expansion. One intent of the general plan update is to place Murrieta in a positive position, so that when economic conditions improve, the City will be prepared to embrace that development expansion. The Land Use Sub-Committee was very sensitive to the desire to have a comprehensive update to the City's General Plan in place for the 2010/11 market. The City's first General Plan was adopted in 1994 and presented a low-intensity suburban vision that is not necessarily consistent with the economic strategy currently contemplated.





Source: County of Riverside, City of Murrieta, and ESRI - World Shaded Relief.

RBF CONSULTING

07/11 • JN 10-106976

Regional Location Map

Exhibit 3-1

Back of 11 x 17 Exhibit

The Sub-Committee recommended the primary focus of land use considerations in the General Plan Update be those areas that have the greatest potential to accept the next wave of economic expansion, including 1) Antelope Corridor (primarily east side of I-215 to Meadowlark Lane, and from Scott Road to Clinton Keith Road); 2) South Murrieta Business Corridor (generally from I-15 east to Jefferson Avenue and from Murrieta Hot Springs to the southerly City limits); 3) Murrieta Hot Springs North (generally between I-15 and I-215, between Murrieta Hot Springs and Los Alamos Roads).

April 2009

Staff gave a presentation to the City Council regarding the potential work program for comprehensive update to the General Plan, Zoning, and Development Code. The presentation identified three key questions related to Murrieta's Long-Term Vision: 1) Is it good for the City?, 2) Does it produce jobs?, and 3) Does it generate revenue?

June 2009

The City issued a Request for Proposal (RFP) for the Comprehensive General Plan Update, Redevelopment Area Land Use Analysis and Environmental Impact Report to prospective consultants. Section II of the RFP reiterates the City's focus on economic development for the general plan update.

The Murrieta City Council has designated Economic Development as its Number One Priority. The City has recently established its first Comprehensive Economic Development Strategy, which spells out the City's 20 year vision for Murrieta as a diversified business hub for Southwest Riverside County and neighboring North San Diego County. The Strategy seeks to encourage private sector investment in the creation of higher paying jobs, income, and wealth in Murrieta through economic diversification. Murrieta is seeking a full range of quality new development, including retail centers, which are anchored by department stores, national and lifestyle retailers, corporate/technology parks, hotels, and upscale restaurants. Murrieta is promoting itself, on a long term basis, as the home of technogically-advanced firms and higher educational facilities, including healthcare, medical facilities and services, software companies, engineering companies, medical device companies, biotechnology firms, defense contractors, research and development operations, green-tech, and light manufacturing. During the current economic downtown, the City is focused on creating the foundation for its future economic prosperity through public investments in its infrastructure and by adopting General Plan policies and Development Code regulations which promote the development of shovel ready sites.

In conclusion, the City Council established a Comprehensive Economic Development Strategy in October 2008, making economic development of Murrieta the number one priority for the City. The Strategy served as one of the key factors to initiate the comprehensive General Plan Update.

3.3 STATEMENT OF OBJECTIVES

The City of Murrieta's objectives for the General Plan 2035 are as follows:

- Focus policy direction on economic development and establishing the City as a diversified and strong economic base.
- Provide new goals and policies to address future development and growth within the City.
- Provide comprehensive and concise land use designations that better reflect the land use vision for the City.
- Update the City's environmental baseline (i.e., existing) conditions to the year 2009.
- Update the General Plan development projections for the year 2035, including projections for dwelling units, non-residential square footage, population, and employment.
- Provide goals and policies to address the connections between health and the physical, social, and economic environment.
- Incorporate sustainability goals and policies to balance current demands with future demands as they pertain to the environment, economy, and social equity.
- Provide a basis for informative decisions when considering the 2035 development associated with implementation of the General Plan 2035 in the City of Murrieta.
- Conform with *CEQA* Section 21000 et seq., which requires that environmental impacts be addressed and mitigated.
- Provide a legally defensible environmental foundation upon which discretionary actions may be evaluated.

3.4 ASSUMPTIONS FOR ENVIRONMENTAL ANALYSIS

The General Plan 2035 EIR analysis is based upon several assumptions regarding existing and future conditions in the City of Murrieta. Unless otherwise stated, the assumptions are identified in *Table 3-1*, *General Plan 2035 Growth Assumptions*.

Table 3-1
General Plan 2035 Growth Assumptions

Description	Existing Conditions (2009)[1]	General Plan 2035 Buildout[1]	Change
Population (persons)	101,253	133,452	32,199
Housing (dwelling units)	33,750	44,484	10,734
Household Size (persons/household)	3.0	3.0	N/A
Non-Residential Development (square feet)	13,978,895	50,189,652	36,210,757
Employment (jobs)	19,878	130,153	110,275
Vacant Acreage (acres)	7,291.23	N/A	N/A
1. The planning horizon for the General Plan 2035 extends from 2009 to 2035.			

3.5 PROJECT CHARACTERISTICS

3.5.1 COMPONENTS OF THE GENERAL PLAN 2035

The General Plan 2035 is a comprehensive update of the 1994 General Plan, which includes an update of existing elements, as well as the addition of two elements. The General Plan 2035 comprises the following State mandated and optional elements: Land Use; Economic Development; Circulation; Healthy Community; Conservation; Recreation and Open Space; Air Quality; Noise; Safety; and Housing (updated and adopted as part of a separate process).

Major components of the General Plan 2035 include:

- Update of existing conditions, with year 2009 serving as the baseline year.
- Update of General Plan development projections to the year 2035. Projections for population, employment, residential, and non-residential development have been updated for the projected horizon year.
- Additions, deletions, or modifications to the 1994 and 2006 General Plan goals, policies, and implementation.
- Update the Land Use Element with reorganized and new land use designations. This includes separating the City's currently combined Land Use and Zoning Map into two separate maps. The General Plan Land Use Policy Map will provide broad land use categories and the Zoning Map, which is being updated separately from the General Plan 2035, will define specific uses and development standards.
- Amendment of the remaining General Plan Elements to reflect current conditions and account for development projections to year 2035.

3.5.2 FOUNDATION FOR THE GENERAL PLAN 2035

Before starting the General Plan 2035, the Murrieta City Council identified economic development as the City's top priority. To support that priority, the City Council established a Comprehensive Development Strategy presenting the 20-year vision that Murrieta will be a diversified business hub for Southwest Riverside County and North San Diego County.

The General Plan 2035 presented an opportunity to get the community involved in setting direction for Murrieta. Workshops, surveys, and other participation opportunities during the planning process prompted community members to articulate their hopes for the future, provide direction on land use, suggest goals, and review draft documents. This community input was translated into the following ten community priorities that describe the vision that members of the public provided for the future of their community, which guided the goals and policies in the General Plan.

Natural Environment	*Protect the natural beauty of the mountains, hills, and waterways.*
Rural Areas	*Preserve elements of Murrieta's rural heritage.*
Community Character	*Protect and foster a strong sense of community and safety, as well as the "small town" feeling.*
Recreation and Culture	*Provide abundant parks and facilities for recreational activities, and cultural amenities.*
Historic Downtown Murrieta	*Create a vibrant, prosperous Historic Downtown that serves as a community center and provides a variety of quality shopping and dining experiences.*
Governance	*Promote community involvement and provide for a fiscally sound future.*
Sustainable Economy	*Pursue economic vitality and longevity by attracting higher education and growing a base of clean industry, while maintaining the current housing affordability.*
Transportation	*Improve roadway networks to reduce traffic, and provide a citywide system of bicycle lanes and recreational trails that improve accessibility without a car.*

Infrastructure and Services	*Improve health care within the City, and continue to provide excellent school, police, fire, library, and recreation services.*
Youth Amenities	*Provide ample activities for all ages of youth, and jobs for teens.*

Natural Environment – Protect the natural beauty of the mountains, hills, and waterways.

Community members value the natural beauty and clean air of Murrieta. They listed mountains, hills, and waterways as treasures, with several calling out the Santa Rosa Plateau in particular. Participants cited open space as a treasure, and participants including youth expressed that natural areas should be retained in the future.

Participants cautioned that preservation would need to be balanced with development and the need to prevent flooding around waterways. Participants also expressed concerns about interference with property rights.

A workshop group that focused on open space and trails cited several benefits of quality of life, property values, sense of community, recreation, and wildlife preservation. This group suggested that connections between open space should be designed to work for people as well as for wildlife, and proposed a park with trails along the river from Wildomar to Temecula; they also suggested removing cement from the riverbed to allow groundwater recharge.

Rural Areas – Preserve elements of Murrieta's rural heritage.

Community members value the small town feel around Murrieta, although they want the preservation of rural areas to be balanced with urban growth. Workshop participants also expressed a need for additional infrastructure in rural areas, such as roads, water, and sewer.

There were several different components of this "small town" character that participants valued. Some wanted a feeling of openness, space, and country landscapes. Others cited the freedom to keep animals, ride horses, and grow food—or to have more privacy.

Residents in the Los Alamos area offered visions for their neighborhood that sought these types of rural elements, as well as large lot sizes and limited regulation, while providing more urban infrastructure.

Other participants suggested maintaining a small town feel by using elements such as split-rail fences, swales instead of curbs, greenways, and trails. One workshop group suggested ensuring compatible land uses near rural and agricultural areas. A survey participant proposed a living farm museum.

Community Character – Protect and foster a strong sense of community and safety, as well as the "small town" feeling.

Community members described Murrieta as safe, and placed importance on keeping it that way. Participants felt that Murrieta was good for families and wanted the community to be a safe, healthy environment for children in the future. Teens strongly valued the safety and sense of community they felt in Murrieta.

Residents expressed that Murrieta had a small town feel and sense of community. They valued community events and considered other people in Murrieta to be an asset.

Participants, including teens, referred to Murrieta as "clean," adding suggestions for more trees or landscaping, and image improvement. Participants expressed a desire for Murrieta to have a distinct identity.

Recreation and Culture – Provide abundant parks and facilities for recreational activities, and cultural amenities.

Many comments related to recreation and culture. Community members value parks and outdoor activities. Suggestions for additional recreational facilities included a dog park, aquatic facility, and a skating rink. One workshop group suggested building a campground and also suggested that volunteers could contribute to recreation, for instance through an "adopt a trail" program.

Participants expressed a need for more dining and night life in Murrieta. Others hoped for more arts and culture events and facilities, such as a concert hall. One workshop group wanted to see cultural amenities that would attract residents aged 18-30.

Historic Downtown Murrieta – Create a vibrant, prosperous Historic Downtown that serves as a community center and provides a variety of quality shopping and dining experiences.

Participants placed importance on Murrieta's historic downtown and Town Center, describing their envisioned downtown as "magical," "bustling," "prosperous," and "vibrant." They valued the historic character of downtown and suggested street lights and windmills as enhancements.

Sustainable Economy – Pursue economic vitality and longevity by attracting higher education and growing a base of clean industry, while maintaining the current housing affordability.

Community members expressed a desire for economic development that would lead to more jobs, including high-paying jobs and jobs for teens and fully occupied retail centers. Participants hoped to see development in the Golden Triangle. They noticed local signs of the economic downturn, expressing concerns about commercial vacancies, foreclosures, and lower housing

values. However, participants also considered the affordability of housing in Murrieta to be an asset.

To stimulate economic development, workshop groups suggested providing higher education, infrastructure, and incentives, as well as promoting downtown. One group felt that high-speed rail could provide an opportunity. Another group suggested constructing office buildings for large employers. Some areas of growth the groups identified were medical and bio-tech industries, "green" businesses, mixed use, and hotels. Hotel locations were suggested near the Loma Linda University Medical Center and in the Golden Triangle, north of Murrieta Hot Springs Road. Participants saw opportunities for Murrieta due to assets such as freeway access and an educated workforce.

Participants recognized the role of the City and the General Plan in directing land use and growth. They expressed the need to manage growth in order to provide adequate infrastructure and services, or to preserve certain qualities of the community that they value.

Transportation – Improve roadway networks to reduce traffic, and provide a City-wide system of bicycle lanes and recreational trails that improve accessibility without a car.

Transportation systems are important to Murrieta residents to help them reach other regional destinations and to travel within the city. Participants said that Murrieta was conveniently located, but many would rather be able to work, shop, dine, and recreate in Murrieta instead of driving out of town.

Time spent in the car is clearly an issue for Murrieta residents, with many participants citing traffic as a concern, on local streets and freeway interchanges. Even teens brought up traffic as a challenge for the community. As individuals and in groups, participants suggested more connections for Clinton Keith, Diaz, Winchester, Washington, and Ynez, as well as more freeway overpasses and north/south connectivity to Temecula. Participants asked for more roads to be paved.

Community members also hoped to see a City-wide system of bicycle lanes. They sought recreational trails (including equestrian trails) that connect parks and open space, hoping that they could access these amenities without needing to drive. As discussed in the Natural Environment section above, a workshop group proposed a park with trails along the river from Wildomar to Temecula. Another group echoed this group's suggestion of linking trails to Historic Downtown.

Groups discussing transportation also suggested developing other modes of transportation: Safe Routes to School, wheelchair-accessible connectivity, a trolley, golf carts in Historic Downtown, improved bus service, and rail connections to San Diego and Orange County.

Infrastructure and Services – Improve health care within the City, and continue to provide excellent school, police, fire, library and recreation services.

Many participants considered Murrieta's school system to be a community treasure, and hoped it would continue to be strong in the future. They also valued the police and fire departments, recreation services, library and senior center.

Health care was a concern, in particular, hospital services, and participants looked forward to the new Loma Linda University Medical Center. Participants desired more opportunities for higher education. They made suggestions for infrastructure, including facilities for water, sewer, and stormwater. Services suggested by participants included services for the homeless or near-homeless, and animal shelters.

Governance – Promote community involvement and provide for a fiscally sound future.

Participants valued the opportunity to be involved in their community, including the General Plan Update workshops. They expressed concern about interference in Murrieta from special interests or excessive regulation from higher levels of government. Participants hoped for a fiscally sound future for Murrieta. They wanted leaders with vision, a responsive local government, communication with residents, and coordination with neighboring communities.

Youth Amenities – Provide ample activities for all ages of youth, and jobs for teens.

The General Plan Update Team heard directly from youth at Vista Murrieta High School, in a workshop attended by 48 students. These teens valued the schools, parks, programs and activities available in Murrieta, but felt a great need for more options in recreation, night life, and shopping. Teens wanted activities that they could do with their families, as well as with their friends. They also wanted more jobs, and opportunities to be involved in the community.

Teen participants suggested a teen night club, while a group of younger workshop participants asked for a pre-teen dance club. Another popular youth suggestion was a recreation/teen center. Teens also wished for more variety in shopping, and healthier restaurant options.

Suggestions from adults regarding youth included a teen center, activities, sports, mentoring and job skills training.

3.5.3 CONTENTS OF GENERAL PLAN 2035

The General Plan 2035 includes the legally required elements for a General Plan, as well as some optional components that the community feels it is important to address. Once adopted, the optional elements have the same legal status as the mandatory elements. Each chapter of the General Plan has a specific purpose and focus as described below. Together, they present a

consistent policy platform as required by law. No single element or subject supersedes any other, and all are internally consistent.

INTRODUCTION

The Introduction explains the purpose and contents of the General Plan, including how to use the General Plan, its relationship to California law, the planning process that was followed for the General Plan 2035, and the community priorities that shaped the General Plan goals and policies.

VISION

The Vision chapter provides the context for the General Plan, including major policy initiatives behind the General Plan 2035.

LAND USE ELEMENT

The Land Use Element establishes the anticipated patterns of development activity and land use that support, implement, and enhance the City's future vision. The Land Use Element will provide the primary guidance in the way Murrieta develops and redevelops over the next 25 years. It will serve as the City of Murrieta's primary policy guidance tool for land use decision-making and expresses the type, intensity, and general distribution of land uses. Parameters and desired locations for land uses such as residential, commercial, industrial, civic/institutional, parks, and open space are mapped and described.

ECONOMIC DEVELOPMENT ELEMENT

The Economic Development Element identifies current economic development conditions and demonstrates how the land use plan will promote business activity and employment growth within the City, consistent with the priorities identified by City leaders and the community. The Economic Development Element establishes goals and policies to promote fiscal stability, expand the City's employment base, and enhance the City's revenues in order to provide quality services to the community.

CIRCULATION ELEMENT

The Circulation Element establishes the plan for mobility and circulation within the City. This Element provides programs and policies to establish a roadway system that adequately accommodates future growth consistent with the Land Use Element. The Circulation Element seeks to provide for a safe, convenient, and efficient transportation system allowing for the movement of people and goods throughout the City and the region. Additionally, the Element supports the vision of the community to improve roadway networks to reduce traffic and provide a system of bicycle lanes and recreational trails that encourage walking and biking. The

Circulation Element includes policies for the safe and efficient management of traffic, provision of transit and other modes of transportation, as well as bicycle, pedestrian, and multi-use trails.

HEALTHY COMMUNITY ELEMENT

The purpose of the Healthy Community Element is to promote the health, safety, and general welfare of Murrieta's residents, workers, and visitors. It highlights the connections between health and the physical, social, and economic environment, and provides an overarching strategy for achieving and maintaining a healthy community. The Element describes the legal and logical basis for creating a Healthy Community Element, identifies key health conditions and determinants in Murrieta, and provides a vision and key concepts for health in Murrieta. Goals and policies promote a healthy community.

CONSERVATION ELEMENT

The Conservation Element provides direction regarding the conservation, development, and utilization of natural and cultural resources. It serves as a guide for the City of Murrieta, its residents, and its businesses to understand what natural or other resources exist in the City, how development impacts these resources, and methods to maintain, preserve, or conserve these resources. The Conservation Element considers the following resources in the natural environment: water; hills and ridges; and mineral, paleontological, and biological resources. It also considers resources within the built environment: urban ecology, farmland, cultural, energy, and solid waste.

RECREATION AND OPEN SPACE ELEMENT

The Recreation and Open Space Element describes the City's parks and open space resources, community and recreation facilities, and recreation programs available to all Murrieta residents. Goals and policies are identified to support park and recreation facilities and programs that meet the needs of the community, including youth and senior programs and facilities. Open space areas and trails that provide opportunities for residents and visitors to enjoy the natural and aesthetic beauty of Murrieta are also supported through the goals and policies. This Element is intended to be used in conjunction with the City of Murrieta Parks and Recreation Master Plan.

AIR QUALITY ELEMENT

Recognizing the importance of air quality associated with the public's health and welfare and that air quality is a regional issue that extends beyond the jurisdictional boundaries of a city, Murrieta has chosen to include Air Quality as an optional Element within its General Plan. The Air Quality Element is intended to establish policy direction and implementation measures that allow the South Coast Air Basin to attain Federal and State air quality standards, as well as to protect Murrieta residents and businesses from the harmful effects of poor air quality. The Element establishes a number of programs to reduce current pollution emissions and to require

new development to include measures to comply with air quality standards. This Element also contains provisions to address new air quality regulations and requirements. The City has also prepared a Climate Action Plan, which addresses global climate change issues and the reduction of greenhouse gas emissions.

NOISE ELEMENT

The Noise Element examines noise sources in the City to identify and assess the potential for noise conflicts and problems, and to identify ways to reduce existing and potential noise impacts. The Element addresses noise that affects the larger community, rather than noise associated with site-specific conditions. Existing and future noise from mobile and stationary sources are considered, as well as the compatibility of land uses and sensitive receptors. The Element identifies projected noise levels and contains goals and policies to maintain noise levels that are compatible with various types of land uses, as well as prevent high noise levels in sensitive areas.

SAFETY ELEMENT

The Safety Element describes hazards that exist in Murrieta and the measures that the City is taking to address them. The Element acknowledges that some naturally occurring hazards may be unavoidable, but their impacts on communities can be reduced through planning and preparation. Thus, the Safety Element addresses geologic, seismic, flood, and fire hazards. This Element also addresses hazards created by human activity: hazardous materials and waste, aircraft hazards, and incidents that call for police protection. The Safety Element describes the City's efforts to prepare for and respond to emergencies.

HOUSING ELEMENT

The Housing Element provides programs and policies that assist the community, region, and State in meeting the goal of providing housing affordable to all socioeconomic segments of the population. The Element addresses citywide housing and population demographics, regional fair-share housing allocations, and implementation strategies to assist the City in providing a full range of housing opportunities. The Housing Element is being updated in a separate process.

3.5.4 CLIMATE ACTION PLAN

California adopted Assembly Bill (AB) 32, the California Global Warming Solutions Act of 2006, which requires California to reduce statewide greenhouse gas (GHG) emissions to 1990 levels by 2020. The California Air Resources Board (CARB) encourages local governments to adopt a reduction goal for municipal operations emissions and move toward establishing similar goals for community emissions that parallel the State commitment to reduce GHGs. As part of the General Plan 2035 process, the City also decided to undertake development of its first Climate Action Plan (CAP). Development of the CAP occurred simultaneously with the General

Plan 2035 to ensure that the CAP was synchronized with the direction of the Plan. The CAP is an important implementing action of the Plan that must reflect and be consistent with the overall goals of the General Plan 2035.

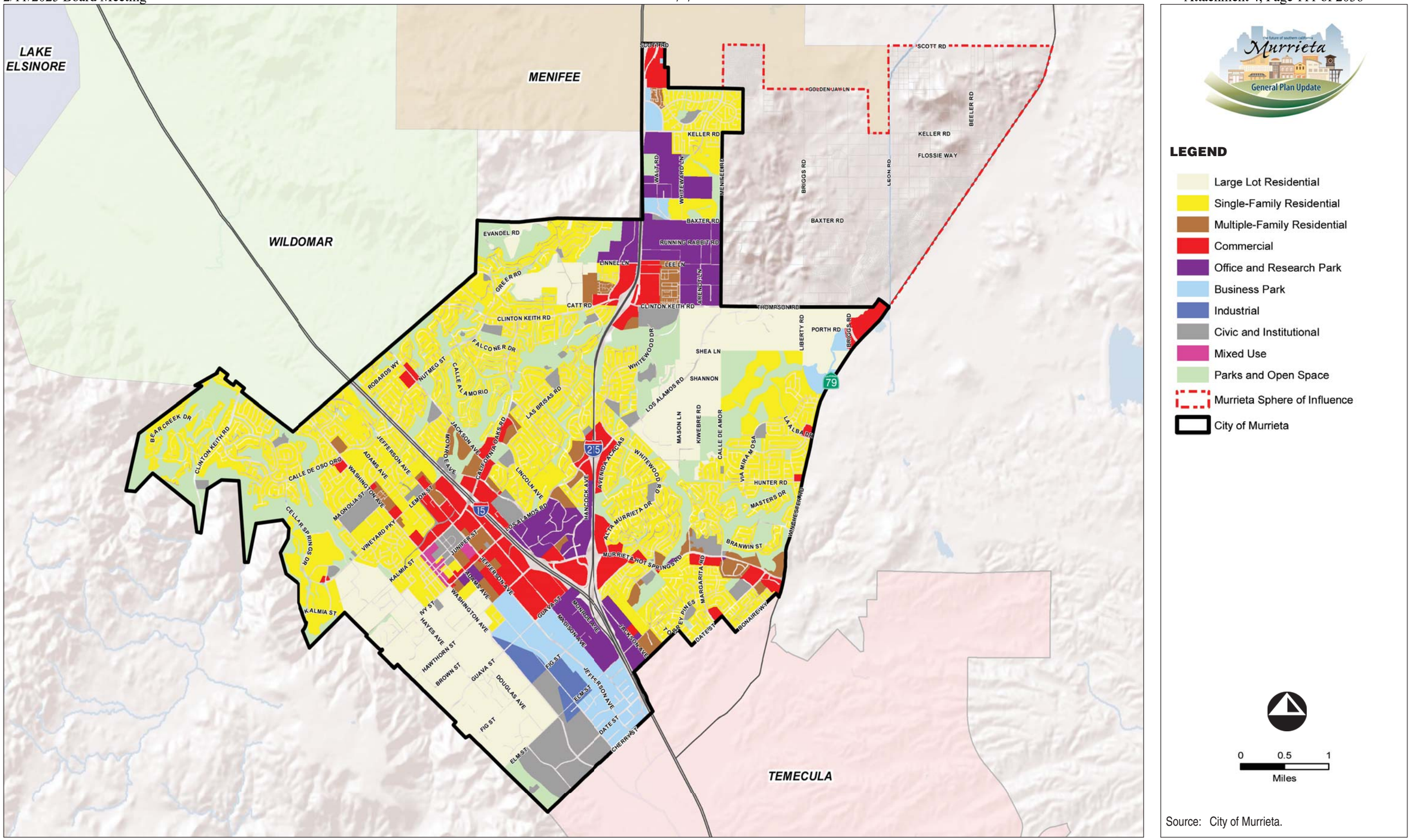
Adopted concurrently with the General Plan 2035, the CAP is an implementing action of the General Plan that describes measures intended to reduce GHG emissions within City operations and the community at-large. Overall, the goal of the CAP is to reduce Murrieta's GHG emissions by 15 percent below current 2009 emission levels by the year 2020. The CAP provides general information about climate change and how GHG emissions within the community contribute to it, as well as an analysis of the potential effects of climate change on the community. In addition, the CAP describes the baseline GHG emissions produced in Murrieta, and projects GHG emissions that could be expected if the CAP was not implemented. The CAP establishes a comprehensive, GHG emissions reduction strategy for Murrieta with regard to seven strategies: a) Community Involvement, b) Land Use and Community Vision, c) Transportation and Mobility, d) Energy Use and Conservation, e) Water Use and Efficiency, g) Waste Reduction and Recycling, and f) Open Space.

3.5.5 LAND USE PLAN

This General Plan supersedes the 1994 Murrieta General Plan and subsequent updates to the Land Use Element, Circulation, and Economic Development Elements, which most recently occurred in 2006. This update to the General Plan may contain similar goals, policies, or other components of the previous plan; however, this version has been tailored to meet the issues and needs of the City at the present time and foreseeable future. The General Plan Land Use Policy Map identifies the type, location, and density/intensity of future development within the City of Murrieta; refer to *Exhibit 3-2*, *General Plan 2035 Land Use Policy Map*.

3.5.6 LAND USE SUMMARY

Table 3-2, *Existing Land Use Summary*, provides a breakdown of existing on the ground land uses by use type for year 2008/2009 and the percentage of area within the City. Although a majority of the City is developed, approximately 34 percent of the City is currently vacant. Single-family residential uses represent approximately 31 percent of the City. Approximately six percent of the City is developed with commercial, industrial, and public/institutional uses.



Murrieta General Plan Update

LEGEND

- Large Lot Residential
- Single-Family Residential
- Multiple-Family Residential
- Commercial
- Office and Research Park
- Business Park
- Industrial
- Civic and Institutional
- Mixed Use
- Parks and Open Space
- Murrieta Sphere of Influence
- City of Murrieta

Source: City of Murrieta.

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General Plan 2005 Land Use Policy Map

Exhibit 3-2

Back of 11 x 17 Exhibit

Table 3-2
Existing Land Use Summary

Land Use	Acres	Percent of Area
Single-Family Residential	6,560.08	30.50
Multiple-Family Residential	238.35	1.11
Mobile Home	1,036.26	4.82
Commercial Retail	612.15	2.85
Commercial Restaurant	28.66	0.13
Commercial Recreational	20.57	0.10
Commercial Office	127.04	0.59
Commercial Hotel/Motel	1.90	0.01
Commercial	32.64	0.15
Industrial	254.11	1.18
Public/Institutional	229.26	1.07
Parks and Recreation/Open Space	148.53	0.69
Golf Course	518.83	2.41
Miscellaneous (easements, etc.)	41.38	0.19
Cemetery	9.84	0.05
Agricultural	1,011.09	4.70
Vacant	7,291.23	33.90
Roads	3,348.69	15.57
TOTAL CITY ONLY	21,510.61	100.00
Sphere of Influence	5,340.95	
TOTAL WITH SPHERE OF INFLUENCE	26,851.56	

Notes:
(1) Existing Land Use summary based upon available Riverside County Tax Assessor Data, 2010. Uses are defined utilized county land use codes and represent a general description of the exist type of use on a parcel. Does not include the Sphere of Influence.

3.5.7 GENERAL PLAN 2035 FOCUS AREAS

In addition to the basic statutory requirements, the General Plan 2035 will focus on guiding the development of vacant land, specifically focusing on opportunities for economic development. Before starting the General Plan 2035, the Murrieta City Council identified economic development as the City's top priority. To achieve this vision, the City seeks to encourage private sector investment in the creation of higher paying jobs, generating income, and wealth through economic diversification. The City is focusing its efforts to attract a variety of businesses and industries, higher educational institutions, and health care facilities. A full range of quality new development will be part of this effort, including retail centers, corporate/technology parks, hotels, and upscale restaurants.

The General Plan 2035 aligns City policy with this emphasis on economic development by directing public investments in infrastructure and promoting the development of shovel-ready sites. It targets key locations for changes in land use and zoning that support the development of medical, educational, commercial, and business clusters. The General Plan 2035 identifies the following seven Focus Areas; refer to *Exhibit 3-3*, *General Plan 2035 Focus Areas*:

- North Murrieta Business Corridor – land use change
- Clinton Keith/Mitchell Area – land use change
- Golden Triangle North (Central Murrieta) – land use change
- South Murrieta Business Corridor – land use change
- Multiple Use Area 3 (MU-3) – land use change
- Historic Murrieta Specific Plan – no land use change; policy change only
- Los Alamos Hills – no land use change, policy change only

Although some growth is anticipated within the Historic Murrieta Specific Plan and Los Alamos Hills focus areas, no land use changes are proposed with the General Plan 2035. The remaining five focus areas have been targeted for land use change. These areas include key locations along freeway corridors that are suitable for major land development and redevelopment to carry out the City Council's economic development strategy, including areas around Loma Linda University Medical Center-Murrieta and the Murrieta Education Center. They also include rural residential areas north of Clinton Keith Road that are adjacent to major new development along I-215.

The General Plan 2035 anticipates that most of the growth would occur within the focus areas. A description of the focus areas are provided below.

NORTH MURRIETA BUSINESS CORRIDOR

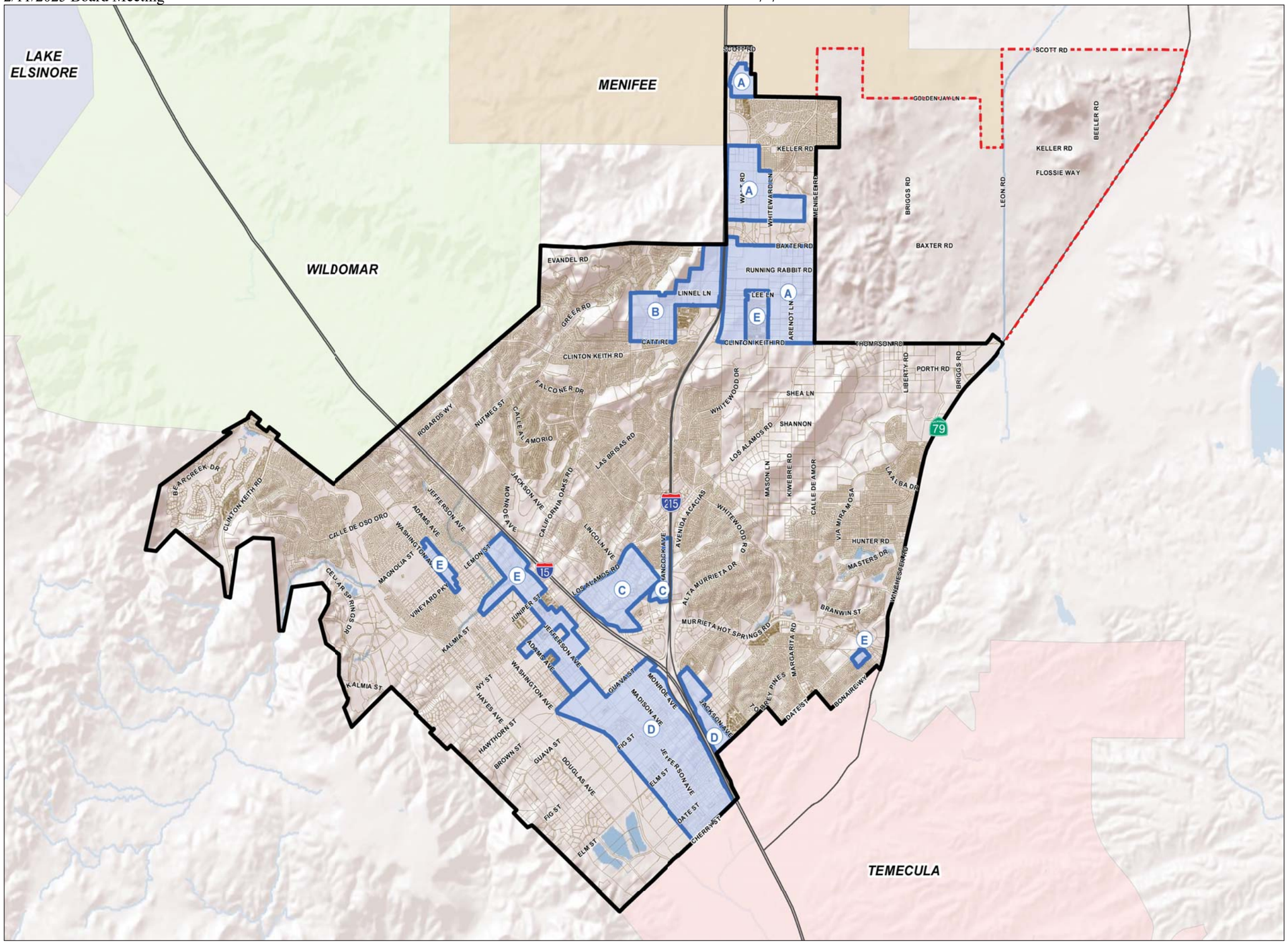
Location

The North Murrieta Business Corridor encompasses approximately 816 acres, and is located on the east side of Interstate 215 and extending to the eastern city-limit boundary, north of Clinton Keith Road, and generally south of Scott Road (but mostly south of Keller Road).

Background

The areas being considered for potential land use changes generally include vacant, underutilized, or rural residential properties.

The catalysts for reevaluating the land uses are the construction of the new Loma Linda University Medical Center and the desire to create a medical corridor and a high technology/office/research employment center, along with commercial uses that support business and employment needs, such as restaurants or hotels.



Murrieta General Plan Update

LEGEND

- (A) North Murrieta Business Corridor
- (B) Clinton Keith / Mitchell
- (C) Golden Triangle North
- (D) South Murrieta Business Corridor
- (E) Multiple Use Area (MU-3)
- Focus Areas
- Parcels
- Sphere of Influence
- City Boundary

0 750 1,500
Feet

Source: City of Murrieta.

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General Plan 2035 Focus Areas

Exhibit 3-3

Back of 11 x 17 Exhibit

Vision

The North Murrieta Business Corridor Focus Area is intended to:

- Provide a mix of Office and Research Park and Commercial uses.
- Create a signature look as the northern gateway into the City.
- Become a major employment center in the northern part of the City.
- Provide high-quality and accessible health care in the City with the Loma Linda University Medical Center and medical-related uses.
- Provide opportunities for a medical campus along with a high technology/office/research employment center in the area generally bounded by I-215 on the west, Keller Road on the north, Menifee Road on the east, and Clinton Keith Road on the south.
- Provide commercial uses that support medical, business, and employment needs in the Focus Area, such as restaurants or hotels.

It is anticipated that a range of building heights will be permitted within the Focus Area with heights of two to three stories adjacent to residential areas increasing up to maximums between five and ten stories in more centrally located areas near the five-story Loma Linda University Medical Center, along the I-215 freeway frontage, or adjacent to business park uses.

New development anticipated in this Focus Area under the General Plan 2035 includes an additional 1,672,843 square feet of commercial uses and 7,666,185 square feet of office and research uses.

CLINTON KEITH/MITCHELL

Location

The Clinton Keith/Mitchell area encompasses approximately 280 acres, and is located west of Interstate 215, north of Clinton Keith Road, and south of the Greer Ranch development.

Background

The area is developed with large-lot single-family homes and retail uses, including a regional commercial shopping center, and can be generally characterized as rural residential in nature. The catalyst for reevaluating the land uses is the encroachment of development surrounding the area and the impact of that development on the rural lifestyle.

Vision

The Clinton Keith/Mitchell Focus Area is intended to:

- Provide a mix of Large Lot, Single-Family, and Multiple-Family Residential, Commercial, and Office and Research Park uses.
- Maintain large lot residential areas generally west of Duster Road.
- Provide a mix of Single-Family and Multiple-Family residential uses generally east of Mitchell Road and south of Linnel Lane.
- Provide shopping opportunities east of McElwain Road and west of I-215.
- Provide office and research park uses north of Linnel Lane and west of I-215.

The Single-Family and Multiple-Family Residential uses will provide a transition of residential densities from the large lot residential area generally east of Mitchell Road and south of Linnel Lane to the shopping and employment centers north of Linnel Lane and east of McElwain Road.

The Office and Research Park uses have the potential to support the Loma Linda Medical Center and related uses proposed in the North Murrieta Business Corridor Specific Plan, as well as provide centers for more locally-oriented businesses. It is anticipated that building heights would be a maximum of two to three stories.

The Commercial uses have visibility and access from the I-215 freeway as well as close proximity to surrounding residential uses; thus providing both local and regional access to the shopping centers.

New development anticipated in this Focus Area under the General Plan 2035 includes 869 new residential units, and an additional 265,155 square feet of commercial/office uses and 1,045,404 square feet of office and research uses.

GOLDEN TRIANGLE NORTH (CENTRAL MURRIETA)

Location

The Golden Triangle North (Central Murrieta) area encompasses approximately 218 acres, and is an area located between Interstates 15 and 215, south of Los Alamos Road and generally north of Murrieta Hot Springs Road.

Background

The catalysts for reevaluating the land uses are the Crossroads Corporate Center and the Rancho Springs Medical Center. Portions of this area have been developed, but the remainder is vacant or occupied with single-family homes or small businesses on the properties.

Vision

The Golden Triangle North (Central Murrieta) Focus Area is intended to:

- Provide a mix of Multiple-Family Residential (existing), Commercial, and Office and Research Park uses.
- Become an office and technology park employment center with some areas reserved for commercial uses.
- Provide office and research park uses in Central Murrieta north of I-215, east of Los Alamos Road, and generally west of Hancock Avenue to support the Rancho Springs Medical Center and complement the Crossroads Corporate Center.
- Provide shopping opportunities to support the employment uses in the Focus Area, as well as for the community.
- Eliminate the MU-1 general plan designation and redesignate those areas in the General Plan as either Multiple-Family Residential, Office and Research Park, or Commercial.

The Office and Research Park uses have the potential to support the Rancho Springs Medical Center, as well as provide opportunities for a range of technology and research uses. It is anticipated that buildings height for the Office and Research Park uses could range in height up to a maximum between five and ten stories.

The Commercial uses have visibility from the I-15 freeway as well as close proximity to surrounding residential and employment uses; thus providing both local and regional access to the shopping centers.

New development anticipated in this Focus Area under the General Plan 2035 includes an additional 244,872 square feet of commercial uses and 2,193,678 square feet of office and research uses.

SOUTH MURRIETA BUSINESS CORRIDOR

Location

The South Murrieta Business Corridor encompasses approximately 581 acres and is located west of Interstate 15, extending to Adams Avenue to the west and south of Murrieta Hot Springs Road to the southern City boundary.

Background

The catalyst for reevaluating the land uses is the Murrieta Education Center, which introduces Class A office buildings to the area. Properties considered for land use changes are primarily vacant or underutilized.

Vision

The South Murrieta Business Corridor Focus Area is intended to:

- Create a signature look as the southern gateway into the City.
- Provide a mix of Office and Research Park, Business Park, and Industrial Uses.
- Become a major employment center in the southern part of the City.
- Provide additional opportunities for Class A office buildings.
- Maintain the Business Park designation to promote and intensify the uses along the Jefferson Avenue corridor.
- Eliminate the MU-2 general plan and zoning designations and redesignate those areas in the General Plan as either Office and Research Park or Business Park.

The Office and Research Park uses will be primarily located west of the I-15 freeway, south of Guava Street, east of Madison Avenue, and north of Elm Street. The buildings heights in this area could range in height up to a maximum of five to six stories.

The Business Park and Industrial uses will occupy the remainder of the Focus Area. The maximum buildings heights would be consistent with existing business park and industrial uses, ranging from two to three stories.

New development anticipated in this Focus Area under the General Plan 2035 includes an additional 3,126,582 square feet of office and research uses and 2,393,221 square feet of business park uses.

MULTIPLE USE AREA 3 (MU-3)

Location

The MU-3 area encompasses approximately 201 acres, and is primarily located on the west of Interstate 15.

Background

This area is developed with both commercial and multi-family uses, and most of the area is presently developed.

The catalyst for reevaluating the land uses is the past interpretations of how this designation has or should be developed; these interpretations has resulted in parcels with 100 percent commercial or 100 percent multi-family developed on individual parcels, as opposed to a true mix of multiple uses on a parcel.

Land uses considered for the developed areas are consistent with actual uses. There are a number of parcels that are vacant, single-family residential, underdeveloped, or a combination of single-family and commercial businesses. Land uses considered for those parcels are intended to be compatible with existing development.

Vision

This Focus Area is intended to:

- Provide for mix of Multiple-Family Residential, Commercial, Office and Research Park, Business Park, and Institutional uses.
- Redesignate parcels with land uses that are consistent with actual uses on parcels (i.e., residential, office, commercial).
- Redesignate parcels that are vacant or underdeveloped to uses that are compatible with on-site and surrounding uses.
- Eliminate the Multiple Use 3 (MU-3) Area designation in the General Plan.

The land uses in this Focus Area reviewed past interpretations of how the MU-3 designation has been or should be applied; these interpretations resulted in parcels with 100 percent commercial or 100 percent multi-family developed on individual parcels, as opposed to a true mix of multiple uses on a parcel.

New development anticipated in this Focus Area under the General Plan 2035 includes 1,137 new residential units, and an additional 800,710 square feet of commercial uses, 434,336 square feet of office and research uses, 291,802 square feet of business park uses, and 2,028 square feet of civic and institutional uses.

HISTORIC MURRIETA SPECIFIC PLAN

Location

The Historic Murrieta Specific Plan Area is the historic core of the City. Bounded by Kalmia Street to the north, Ivy Street to the south, Hayes Avenue to the west and Jefferson Avenue to the east, the area encompasses approximately 250 acres.

Background

The area was originally part of Juan Murrieta's Rancho and was purchased by the Temecula Land and Water Company in 1884, when the land was subdivided into a variety of individual lots. Over the years, the land was developed with a range of residential and commercial uses. The predominant use in the area remained residential, with the majority of development activity occurring around Clay Street's Fountain House Hotel and the railroad station. Commercial development began to characterize Washington Avenue during the turn of the century. Today, Washington Avenue and the entire Historic Murrieta are reminiscent of the City's past, with a mixture of historic commercial and residential buildings.

Today, the City has accomplished a number of goals for Historic Murrieta. A Civic Center, Police Station, Community Library and Senior Center are flourishing. Renewed pride, investment are evidenced by many new and successful businesses.

Key Guiding Principles of the Historic Murrieta Specific Plan area include:

- Creating of a Cultural and Governmental Center
- An Attractive Town Center
- A Historic and Pedestrian Scaled Environment
- Proactive Economic Development

The City of Murrieta seeks to continue the preservation and enhancement of the Historic Murrieta area through continued introduction of a complementary mix of residential, retail, civic and job-creating uses.

Additional development anticipated under the General Plan 2035 includes 512 new residential units, an additional 521,413 square feet of commercial uses, and an additional 251,102 square feet of office and research uses. This development potential is in addition to the development potential assumed for the Specific Plan.

LOS ALAMOS HILLS

Location

The Los Alamos Hills area is generally bounded by Clinton Keith Road on the north, Whitewood Road on the west, the Northstar Ranch and Hunter's Ridge developments on the south, and Winchester Road on the east.

Background

The Los Alamos Hills area has an important history within the Murrieta community. It has long been a unique area in the City in which to live a rural lifestyle and enjoy the natural resources within the area. The eastern portion of the Los Alamos Hills area is located close to future Commercial and Business Park developments and Winchester Road. These uses are not entirely compatible with the existing rural lifestyle west of Warm Springs Creek, therefore, future land use transitions east of Warm Springs Creek may be considered. The Los Alamos Hills area has a variety of street classification within and abutting its boundary, and is dependent upon small rural streets for internal circulation.

The property owners within the Los Alamos Hills area may develop and submit a Specific Plan that would to maintain the rural core of the Los Alamos community west of Warm Springs Creek, while providing certain needed local services. With a Specific Plan, property owners are looking to develop a land use plan that both reflects the rural character of the area, but provides for transitional land uses between the rural land uses and more intense development near Winchester Road. The existing open space, future development pattern, and circulation system established for the area is intended to maintain and preserve the majority of area as a picturesque area, whose topography and setting contribute to the rural agricultural enclave. The Specific Plan would identify the needs and providers of infrastructure.

Additional development anticipated in this area under the General Plan 2035 includes 828 new residential units and an additional 157,453 square feet of commercial uses.

FOCUS AREA LAND USE PROJECTIONS

Table 3-3, *Focus Area Land Use Projections*, provides a summary of the growth over existing conditions that would occur within each Focus Area with the General Plan 2035.

Table 3-3
Focus Area Land Use Projections

Focus Area	Acres	Residential	Commercial	Office and Research Park	Business Park	Industrial	Civic/ Institutional
North Murrieta Business Corridor	816.21		1,672,846	7,666,185			
Clinton Keith/Mitchell	279.56	869	265,155	1,045,404			
Golden Triangle North (Central Murrieta)	218.16		244,872	2,193,678			
South Murrieta Business Corridor	580.49			3,216,582	2,393,221		
Multiple Use 3 (MU-3)	201.34	1,137	800,710	434,336	291,802		2,028
Historic Murrieta Specific Plan	250.00	512	521,413	251,102			
Los Alamos	TBD	828	157,453				
Total	2,345.76	3,346	3,662,446	14,807,287	2,685,023	0	2,028

The anticipated growth in residential and non-residential uses over year 2009 conditions within the Focus Areas is:

- Addition of 3,346 dwelling units
- Addition of 21,156,784 square feet of non-residential uses

3.5.8 GENERAL PLAN BUILDOUT

Although the General Plan 2035 focuses growth within the Focus Areas, it is anticipated that additional growth would occur within the City outside of these areas. Citywide growth, including the Focus Areas, is anticipated as follows:

- Addition of 10,734 dwelling units
- Addition of 36,210,757 square feet of non-residential uses

Table 3-4, *General Plan 2035 Buildout*, provides a summary of the anticipated development conditions through buildout. The values include the additional growth anticipated with the General Plan 2035, including the Focus Areas, as presented in *Table 3-3*.

Table 3-4
General Plan 2035 Estimated Buildout

Land Use Designations	Acres	Dwelling Units	Square Feet
Residential			
Large Lot Residential	3,126.87	977	
Single-Family Residential	6,517.17	31,581	
Multiple-Family Residential	611.20	11,379	100,000
Non-Residential			
Commercial	1354.34		18,683,477
Office and Research Park	1357.63		16,465,371
Business Park	823.40		11,403,714
Industrial	108.69		1,498,300
Civic/Institutional	999.14		1,168,369
Other Land Uses			
Mixed Use	42.70		853,913
Parks and Open Space	3,220.85		16,508
Roads	3,348.69		
TOTAL CITY ONLY	21,510.68	44,484	50,189,652
Sphere of Influence	5,340.95		
TOTAL WITH SPHERE OF INFLUENCE	26,851.63		

In total, these efforts are anticipated to result in following scenario at buildout:

- 44,484 residential dwelling units; and
- 50,189,652 square feet of non-residential uses.

3.5.9 LAND USE DESIGNATIONS

State General Plan law requires the Land Use Element to indicate the standards for building intensity (i.e., residential densities and non-residential building intensities) allowed in the City. Land use designations describe the type and intensity of development allowed in a given area. While terms like "residential," "commercial," or "industrial" are generally understood, State General Plan law requires a clear and concise description of the land use categories that are depicted on the General Plan Land Use Policy Map (*Exhibit 3-2*).

The proposed land use designations have been modified to reflect more generalized land use categories. The City's Zoning Map will identify the detailed zoning designations that correspond and implement the land use plan. The City's Development Code will be updated following adoption of the General Plan 2035 to reflect the new land use designations and associated zoning designations.

The Land Use Element and General Plan Land Use Policy Map contain the following land use designations.

RESIDENTIAL LAND USE DESIGNATIONS

The City of Murrieta provides a range of housing types to meet the varying needs of its residents. The following residential land use designations are established for the General Plan 2035.

Large Lot Residential (0.1 – 1.0 du/ac)

Rural Residential provides for very-low density residential development on land that may have limited access to urban services. Typical development consists of single-family detached housing and accessory buildings, often with the keeping of horses and other farm animals and/or small agricultural plantings.

Single-Family Residential (1.1 – 10.0 du/ac)

Single-Family Residential provides for traditional single-family detached and attached housing. Typical development consists of a single-family detached home for each legal lot. The Single-Family Residential designation also provides for small lot development such as zero lot line.

Multiple-Family Residential (10.1 - 30 du/ac)

Multi-Family Residential provides for attached and detached apartments and condominiums. Typical development consists of townhomes, condominiums, apartments, senior housing, and stacked flats. Multiple-Family Residential encourages the development of integrated projects that provide complementary open spaces and amenities on-site.

Base Land Use Density

The base land use density refers to the maximum number of units per acre permitted under the corresponding zoning district. The base density for the Rural Residential category is 1 unit per acre. The base densities for the Single-Family Residential and Multiple-Family Residential categories are 10 units per acre and 30 units per acre, respectively.

Housing Affordability Bonus

The City provides for the development of affordable housing for lower-income households through its affordable housing density bonus program in accordance with State law. The specific provisions of the affordable housing density bonus program are outlined in the City's Development Code. When utilizing the affordable housing density bonus program, the allowable

density is increased by up to 100 percent for senior housing and 35 percent for non-senior housing, consistent with State density bonus law, as amended.

NON-RESIDENTIAL LAND USE DESIGNATIONS

The City of Murrieta provides a range of non-residential land use designations to ensure the provision of a range of retail, civic, entertainment, service, industrial and other job-creating land uses.

Commercial (0.25 – 0.75 FAR)

The Commercial designation provides for a broad mix of commercial retail, service, and office uses that serve the local and regional consumer. Typical uses include retail stores, personal services, restaurants, motor fuels, business offices and lodging intended to meet the needs of city residents, travelers, and the daily employment population.

Office and Research Park (0.60 – 2.5 FAR)

The Office and Research Park designation provides for a variety of employment intensive uses such as business and medical offices, corporate headquarters, medical services, research and development, and technological advancement. Retail and service uses are limited to those that best meet the needs of the local businesses and their employees. Development will reflect the high freeway visibility of the areas and the appropriate buffering of adjacent residential areas.

Business Park (0.40 – 0.60 FAR)

The Business Park designation provides for employment uses, including office, research and development, educational facilities and light manufacturing. Development should create a campus-like business or industrial park setting. Retail and service uses are typically limited to areas along major streets.

Industrial (0.40 – 0.50 FAR)

The Industrial designation provides for both indoor and outdoor employment intensive industrial uses, including product assembly, warehousing/distribution and manufacturing. The designation also provides for more intensive uses, some of which may introduce potential environmental impacts such as noise, dust and other nuisances. Impacts should be mitigated through site design and appropriate screening and buffering.

Civic and Institutional (0.5 – 1.0 FAR)

The Civic and Institutional designation provides for public and quasi-public uses such as hospitals, government offices, schools, museums, libraries, public safety facilities, water and sewer treatment plants and publicly or privately owned places intended for public assembly.

MIXED USE LAND USE DESIGNATIONS

Mixed Use

This designation provides for a horizontal or vertical mix of residential and non-residential uses, and utilizes both residential density and non-residential intensity standards. Floor area ratios up to 1.0 are permitted and the base residential density is 30 units per acre.

These standards are intended to be applied separately from one another. In other words, a mixed-use designation that allows a base density of 30 du/ac and an intensity of 1.0 FAR allows for development of residential units at 30 du/ac on the same site with 1.0 FAR non-residential development. There is no equivalency calculation required.

OPEN SPACE AND RECREATION LAND USE DESIGNATIONS

The City of Murrieta provides for a variety of passive and active open space and recreational opportunities for its residents.

Parks and Open Space

The Parks and Open Space designation provides for public parks and recreational activities, private recreational facilities and passive open space areas. The designation is intended to provide for the preservation of natural open spaces, protection of wildlife habitats, maintenance of natural and scenic resources, greenbelts and protection from fire and other natural hazards. The designation includes facilities generally accessible to the public such as bicycle paths, pedestrian trails, swimming pools, golf courses, equestrian centers, playgrounds, picnic areas and sports recreational facilities.

3.5.10 INFRASTRUCTURE IMPROVEMENTS

It is anticipated that as buildout of the General Plan 2035 occurs, infrastructure improvements would be required to serve future development. The General Plan 2035 does not propose specific infrastructure improvements to water, wastewater, or storm drain facilities. However, the growth projected with the General Plan 2035 would be considered as infrastructure planning documents for the City are updated to identify additional improvements needed to accommodate

the proposed growth. Potential environmental impacts from project specific improvements would be evaluated on a case-by-case basis.

Roadway improvements are anticipated with buildout of the General Plan 2035. Future development projects would be required to identify direct project specific impacts and either construct the needed circulation improvement or make a fair-share payment toward the improvement. Potential environmental impacts from project specific improvements would be evaluated on a case-by-case basis.

3.5.11 GENERAL PLAN 2035 GOALS AND POLICIES

Each element of the General Plan 2035 contains goals and policies based upon the needs and desires of the community, as derived during the General Plan 2035 process. The following are the goals and policies that have been established for the General Plan 2035.

LAND USE ELEMENT

BALANCING COMMUNITY CHANGE WITH THE EXISTING ENVIRONMENT

Goal LU-1 **A complementary balance of land uses throughout the community that meets the needs of existing residents and businesses as well as anticipated growth, and achieves the community's vision.**

Policies

LU-1.1 Identify appropriate locations for residential and non-residential development to accommodate growth through the year 2035 on the General Plan Land Use Policy Map (Exhibit 3-5).

LU-1.2 Ensure future development provides for a variety of commercial, industry, and housing that serve the spectrum of incomes within the region.

LU-1.3 Establish a range of residential density and non-residential intensities to encourage a wide range of development opportunities.

LU-1.4 Provide for the development of complementary land uses, such as open space, recreation, civic, and service uses for all future residential and non-residential development.

LU-1.5 Encourage a wide variety of retail and commercial services, such as restaurants, and cultural arts/entertainment, in appropriate locations.

LU-1.6 Promote future patterns of development and land use that reduce infrastructure construction costs and make better use of existing and planned public facilities.

LU-1.7 Ensure necessary capital improvements are in place prior to new development or completed concurrently.

LU-1.8 Ensure that fiscal impacts associated with growth and change are evaluated to ensure the City's ability to provide vital services is not compromised.

LU-1.9 Discourage lands designated for employment-generating uses to be converted to other uses without careful consideration of the overall economic strategy and the jobs-housing balance implications.

LU-1.10 Apply the following provisions when cases arise regarding the location of land use designation boundaries:

- Where land use designation boundaries follow street lines or other identifiable property or boundary lines, those lines shall be construed to be those of the land use designation boundary.
- Where land use designation boundaries are indicated within street lines or identifiable rights-of-way or creeks, the centerline there of shall be construed to be that of the land use designation boundary.

PRESERVATION OF RURAL COMMUNITY HERITAGE

Goal LU-2 A community that preserves its rural characteristics in appropriate locations.

Policies

LU-2.1 Provide for the keeping of horses and other livestock, as well as farming or agricultural operations, on appropriate larger lot residential property to preserve the community's heritage.

LU-2.2 Encourage provisions for the stabling of horses, including as a commercial use, for citizens who are not able to keep horses at their residences.

NEIGHBORHOOD PRESERVATION

Goal LU-3 Stable, well-maintained residential neighborhoods in Murrieta.

Policies

LU-3.1 Maintain and enhance the character of single-family residential neighborhoods.

LU-3.2 Protect residential areas from the effects of potentially incompatible uses. Where new commercial or industrial development is allowed adjacent to residentially zoned districts, establish and/or maintain standards for circulation, noise, setbacks, buffer areas, landscaping and architecture, which ensure compatibility between the uses.

LU-3.3 Assure that the type and intensity of land use shall be consistent with that of the immediate neighborhood.

LU-3.4 Strive to provide a diverse mix of housing types, along with uniformly high standards of residential property maintenance to preserve residents' real estate values and their high quality of life.

LU-3.5 Prohibit uses that lead to deterioration of residential neighborhoods, or adversely impact the safety or the residential character of a residential neighborhood.

RESIDENTIAL DEVELOPMENT

Goal LU-4 A housing stock that meets the diverse needs of Murrieta's existing and future residents.

Policies

LU-4.1 Provide for housing opportunities that address the needs of those who currently live or desire to live in Murrieta.

LU-4.2 Monitor the housing needs of the existing and future labor force and engage the business community to attract employees and new businesses to Murrieta.

LU-4.3 Locate multiple-family housing adjacent to jobs, retail, schools, open space, public transportation, and transportation corridors.

HIGH QUALITY INDUSTRIAL AREAS

Goal LU-5 Promotion of quality industrial development that provides local employment opportunities.

Policies

LU-5.1 Support redevelopment and transition of obsolete industrial and manufacturing sites for commercial, flex-tech, and/or mixed-use development, reflective of current market demand.

LU-5.2 Promote quality design and development practices that reduce environmental impacts.

LU-5.3 Monitor the appearance of industrial properties to prevent areas of decline by requiring improved maintenance or rehabilitation, as necessary.

Goal LU-6 Land use policy that encourages job retention and attraction.

Policies

LU-6.1 Encourage flexibility in land use regulations to respond to requirements of new and emerging business and industry types.

LU-6.2 Ensure land use policy is supplemented by predictable land use regulations.

LU-6.3 Continue to implement a fast-track development program that streamlines land use approvals and the permit process for businesses that promote the City's economic goals and policies.

VITAL COMMERCIAL CENTERS

Goal LU-7 Economically viable, vital, and attractive commercial centers throughout the City that serve the needs of the community.

Policies

LU-7.1 Work with property owners of vacant commercially zoned property to develop their sites into appropriate, economically viable projects.

LU-7.2 Encourage revitalization and enhancement of existing underperforming commercial areas through site planning and redevelopment to maximize use of existing development.

LU-7.3 Promote physical improvement of existing retail centers.

LU-7.4 Discourage the construction of marginal, disjointed strip center commercial development within the City.

LU-7.5 Provide convenient freeway access for regionally-serving commercial centers to attract a regional customer base.

LU-7.6 Focus commercial retail centers adjacent to major transportation corridors.

LU-7.7 Look for ways to provide incentives to encourage lot consolidation and parcel assemblage to provide expanded opportunities for coordinated commercial development.

LU-7.8 Encourage consolidation of parking and reciprocal access agreements between adjacent business and commercial center property owners.

MIXED USE AND TRANSIT-ORIENTED DEVELOPMENT

Goal LU-8 A community that provides opportunities for mixed use and/or transit-oriented development.

Policies

LU-8.1 Encourage integrated development that incorporates a mix of uses (residential, commercial, office) in mixed use or transit-oriented development areas.

LU-8.2 Encourage workplace development in close proximity to residences in mixed use or transit-oriented development areas.

LU-8.3 Minimize the impacts of mixed use or transit-oriented development housing projects on single-family neighborhoods.

LU-8.4 Design mixed uses or transit-oriented development projects to:

- Create a pleasant walking environment to encourage pedestrian activity.
- Create lively streetscapes, interesting urban spaces, and attractive landscaping.
- Provide convenient shopping opportunities for residents close to their residence.
- Integrate with surrounding uses to become a part of the neighborhood rather than an isolated project.
- Use architectural elements or themes from the surrounding area, as appropriate.
- Provide appropriate transition between land use designations to minimize neighbor compatibility conflicts.

LU-8.5 Encourage the creation of multi-modal transit opportunities with a healthy mix of businesses, childcare, senior services, and housing.

LU-8.6 Encourage higher density residential, commercial, and employment development near a future Metrolink or High Speed Rail Station, along other major public transportation routes, and at other suitable locations.

LU-8.7 Amend the Development Code to implement mixed use zoning districts that provide development standards for mixed use development, which should address minimum density and intensity requirements; allowable uses; horizontal and/or vertical mix of uses, building heights; and parking standards.

LU-8.8 Evaluate mixed use projects to ensure that there is an adequate mix of uses on the site and in the area.

LU-8.9 Continue to support and actively participate with the High Speed Rail Authority to plan future high-speed rail service and to address urban design, noise, and compatibility issues around the proposed Murrieta station(s).

SUSTAINABLE AND HEALTHY LAND USE PATTERNS AND URBAN DESIGN

Goal LU-9 Land use patterns and urban design that support healthy and sustainable lifestyles and businesses.

Policies

LU-9.1 Encourage human-scale urban design on the neighborhood, block, and building scale.

LU-9.2 Encourage active and inviting pedestrian-friendly street environments that include a variety of uses within commercial, mixed use or transit-oriented development areas.

LU-9.3 Encourage new neighborhoods to be built on a pedestrian-scale, within walking distance of parks, neighborhood-serving commercial areas, and other neighborhood amenities.

LU-9.4 Differentiate between areas zoned as neighborhood commercial and community commercial, encouraging unique, pedestrian-oriented, and neighborhood-serving uses in the neighborhood commercial zone.

LU-9.5 Promote commercial uses near residential neighborhoods that serve local residents and create neighborhood-gathering places.

LU-9.6 Provide pedestrian-oriented urban design through creative use of site development standards.

LU-9.7 Encourage development patterns to become more conducive to short, local, and walkable trips, which could increase opportunities for physical activity and decrease time spent driving.

LU-9.8 Consider infill locations for higher education facilities to capitalize upon existing or create synergies with surrounding uses.

Goal LU-10 A community that provides pedestrian-friendly environments for residential, commercial, business, and recreation uses.

Policies

LU-10.1 Prepare and use design guidelines to encourage high-quality, pedestrian-oriented design that enhances the public realm.

LU-10.2 Consider preparation and adoption of a Street Master Plan that addresses walkability and streetscape.

LU-10.3 Consider that the development of new residential block lengths are no more than 800 feet on any one side, and no longer than 600 feet on average per side, creating a street network that enables multiple routes for pedestrians, cyclists, and vehicles through a neighborhood.

LU-10.4 Discourage physical barriers, such as arterial streets, transit or utility rights-of-way, or very long blocks without through-streets, between and within neighborhoods and neighborhood centers. If physical barriers are unavoidable, provide safe and comfortable crossings for pedestrians and cyclists.

LU-10.5 Update the Development Code to create walkability, and interesting and varied pedestrian environments.

LU-10.6 Encourage new businesses to have a pedestrian-accessible main entrance that faces the street, as appropriate.

LU-10.7 Encourage well-designed covered or structured parking instead of surface parking lots.

LU-10.8 Encourage new surface off-street parking to be located behind or to the side of buildings, as appropriate.

LU-10.9 Encourage ground-floor structured parking to be buffered from the pedestrian environment through strategies such as wrapping the structure with active retail uses, placing entrances off the street, and screening with landscaping or art.

COMMUNITY DESIGN

Goal LU-11 A community that is comprehensively designed to create a positive and distinctive City image by protecting historic resources, and by strengthening the positive qualities of the City's overall image and neighborhood identity.

Policies

LU-11.1 Study and determine areas in the City where rural character can be created, enhanced, or preserved.

LU-11.2 Endeavor to establish distinctive themes and character for individual focus areas or other areas, as appropriate, within the community.

LU-11.3 Enhance the positive qualities that give residential, commercial, and industrial areas their unique identities, while also allowing flexibility for innovative design.

LU-11.4 Preserve the unique character and integrity of the City's traditional residential neighborhoods.

LU-11.5 Improve the appearance and function of regional commercial centers through improved site design, landscaping, and architectural integrity.

LU-11.6 Seek to create unique retail spaces that are architecturally rich, pedestrian friendly, culturally sensitive, and economically viable.

LU-11.7 Prepare and implement design guidelines for special districts or areas with unique character in the City of Murrieta, as appropriate.

LU-11.8 Develop a design palette for multiple-family and mixed use buildings.

REDEVELOPMENT

Goal LU-12 Effective use of redevelopment as a tool for economic development and community improvement.

Policies

LU-12.1 Continue to prioritize commercial, industrial, and residential revitalization within the redevelopment project area.

LU-12.2 Revitalize private and public lands in need of redevelopment or those that are underdeveloped due to lack of public facilities and revitalization.

LU-12.3 Provide yearly review of the City's redevelopment program under the California Community Redevelopment Law to coordinate and pursue community improvement and revitalization activities.

LU-12.4 Ensure conditions of blight are evaluated, as needed, to ensure the Redevelopment Plan is reflective of community needs.

FOCUS AREAS

Goal LU-13 A focused development and economic development strategy that emphasizes specialized land use policies within identified Focus Areas.

Policies

LU-13.1 Provide for the highest level of retail and job-creating uses in areas adjacent to the I-15 and I-215 freeways. This includes the North Murrieta Business Corridor, Golden Triangle North (Central Murrieta), and South Murrieta Business Corridor Focus Areas.

North Murrieta Business Corridor Focus Area

Goal LU-14 The North Murrieta Business Corridor will become an employment center for high-quality medical, high technology, and research jobs.

Policies

LU-14.1 Establish the North Murrieta Business Corridor as a regional center for medical services and research.

LU-14.2 Support the future development and expansion of the Loma Linda University Medical Center campus.

LU-14.3 Actively seek private sector investment of high quality job creators that support and enhance the Loma Linda University Medical Center.

LU-14.4 Encourage opportunities for complementary retail and service uses to serve local residents and the daytime employment population.

LU-14.5 Provide for Office and Research Park developments of a more intense nature in the North Murrieta Business Corridor Focus Area in terms of height than other areas of the City.

LU-14.6 Ensure that the design of buildings in the North Murrieta Business Corridor help to create a distinctive and cohesive look to reinforce this Focus Area as a major gateway into the City.

Clinton Keith/Mitchell Focus Area

Goal LU-15 The Clinton Keith/Mitchell area will provide for a mix of land uses, including high-quality residential, regional-serving commercial, and job-creating uses

Policies

LU-15.1 Ensure appropriate buffers are provided between Rural, Single-Family, and Multiple-Family Residential uses.

LU-15.2 Ensure adequate buffers are provided between residential and non-residential uses.

LU-15.3 Ensure that Office and Research Park uses are designed to reflect the natural topography.

LU-15.4 Encourage opportunities for retail, office, and research uses to complement and serve the uses in the North Murrieta Business Corridor Focus Area.

LU-15.5 Encourage a range of retail uses that serve the local residents.

Golden Triangle North (Central Murrieta) Focus Area

Goal LU-16 The Golden Triangle North (Central Murrieta) area will become a local and regional generator of commerce.

Policies

LU-16.1 Encourage the development of a job-creating center of office, research, technology, and commercial activity to complement the regional orientation of the land use plan for the area bounded by the I-15 and I-215 freeways and Murrieta Hot Springs Road.

LU-16.2 Provide for Office and Research Park developments of a more intense nature in the Golden Triangle North (Central Murrieta) Focus Area in terms height than other areas of the City.

South Murrieta Business Corridor Focus Area

Goal LU-17 The South Murrieta Business Corridor will become a center of commerce that provides a complementary mix of high-quality business park, industrial, and office development.

Policies

LU-17.1 Encourage the expansion of a job-creating center of office, research, technology, business park, and industrial activity within the area generally bounded by the I-15 freeway on the east, Cherry Street on the south, Washington Avenue on the west, and Brown Street on the north.

LU-17.2 Encourage the development of "flex tech" uses in the Business Park and Industrial use areas.

LU-17.3 Provide for Office and Research Park developments of a more intense nature in the South Murrieta Business Corridor Focus Area in terms of height than other areas of the City.

LU-17.4 Ensure that the design of buildings in the South Murrieta Business Corridor help to create a distinctive and cohesive look to reinforce this Focus Area as a major gateway into the City.

LU-17.5 Update the Development Code to limit commercial uses in the Business Park and Industrial Use areas.

Multiple Use 3 (MU-3) Area Focus Area

Goal LU-18 A mix of residential, retail, and job-creating uses

Policies

LU-18.1 Ensure appropriate buffers are provided between Rural, Single-Family, and Multiple-Family Residential uses both within and adjacent to the Multiple Use 3 Area Focus Area.

LU-18.2 Ensure adequate buffers are provided between residential and non-residential uses both within and adjacent to the Multiple Use 3 Area Focus Area.

LU-18.3 Encourage a range of retail uses that serve local residents and the region.

LU-18.4 Encourage Office and Research Park uses that are complementary to the Civic Center and the Historic Downtown Specific Plan.

Los Alamos Hills Focus Area

Future Specific Plan for Los Alamos Hills Area

Goal LU-19 Preparation of a Specific Plan for the Los Alamos Hills area.

Policies

LU-19.1 Bring together the property owners in the Los Alamos Hills area to determine the land area to be included in a future Specific Plan.

LU-19.2 Bring together the property owners to develop a consensus-based Specific Plan.

LU-19.3 Encourage the Los Alamos Hills community groups, such as the Citizens for Quality of Life in Murrieta (CQLM), and property owners to work together with infrastructure providers and the City to identify infrastructure needs and costs, as well as financing options and timing for roads, road improvements, and water and sewer infrastructure, throughout the future Los Alamos Hills Specific Plan area.

Rural Character

Goal LU-20 West of Warm Springs Creek, preserve the historic rural character of the Los Alamos Hills area by maintaining its unique environment rural style with low-density development and small rural roads while preserving natural features.

Policies

LU-20.1 Maintain the existing 2.5-acre minimum residential parcel size west of Warm Springs Creek.

LU-20.2 Establish development standards for all new construction to ensure high quality rural development in the area west of Warm Springs Creek.

LU-20.3 Establish unifying visual elements, such as split rail fencing, mature native trees, and well-spaced homes, as a means of distinguishing the Los Alamos Hills area as a rural historic enclave within Murrieta for the area west of Warm Springs Road.

LU-20.4 Encourage the construction of homes and accessory structures, west of Warm Springs Creek that are compatible with surrounding residential uses and the rural character of the Los Alamos Hills area.

LU-20.5 Consider Specific Plan land use regulations for the area west of Warm Springs Creek that allow the grouping of building sites on larger properties withsteep terrain or other site constraints, while adhering to a maximum density of one dwelling unit per each 2.5 acres of lot area.

LU-20.6 Allow the keeping of personal livestock for both commercial and non-commercial purposes pursuant to the standards in the City's Development Code, and as may be modified through a Specific Plan.

LU-20.7 Allow commercial farms, tree crops and other agricultural uses on lots of at least 2.5 acres in size consistent with Los Alamos' long history as an agricultural community.

LU-20.8 Allow for the creation of entry monuments that are rural in character to announce the arrival into the Los Alamos Hills area.

LU-20.9 Discourage features such as small lots, conventional sidewalks, or conventional street lights, west of Warm Springs Creek.

LU-20.10 Encourage the minimal use of outdoor lighting to maintain the nighttime dark sky in the rural Los Alamos Hills area.

Land Use Transitions

Goal LU-21 Appropriate land use transitions between rural land uses west of Warm Springs Creek and more intense land uses east of Warm Springs Creek.

Policies

LU-21.1 Consider the creation of a transitional density/intensity non-rural area to serve as a buffer area between the developments along Winchester Road and the rural residential land uses to the west of Warm Springs Creek.

Natural Resources

Goal LU-22 Natural and visual resources are valued resources to maintain the rural character of the Los Alamos Hills.

Policies

LU-22.1 Encourage the preservation of natural and visual resources within Los Alamos Hills, such as rock outcroppings and scenic views of the local hills and valleys, to the greatest degree practicable.

LU-22.2 Encourage new construction and landscape design that utilizes grading techniques to mimic the natural terrain.

LU-22.3 Encourage development that minimizes impacts to existing water courses, mature trees, and natural features as much as possible. In those cases that these areas/features are impacted, the final design should provide adequate mitigation on-site and/or in nearby areas.

LU-22.4 Encourage healthy and structurally sound, existing groves of eucalyptus and other mature non-native trees located west of Warm Springs Creek to be considered a visual asset to the area, and should be conserved and maintained to the maximum degree practicable.

LU-22.5 Encourage new development to replace or supplement with native tree species as opportunities arise.

LU-22.6 Encourage the development of an trail system within the Multiple Species Habitat Conservation Plan (MSHCP) and other open space areas that connects to a trails system within or adjacent to the existing and future street systems, including linkage through areas east of Warm Springs Creek (such as but not limited to a transitional buffer area) to the open space corridor along Adobe Creek. Trails adjacent to streets should allow for multiple users and provide buffers between vehicles and trail users.

Circulation

Goal LU-23 A circulation system that provides adequate access for all property owners in the Los Alamos Hills area.

Policies

LU-23.1 Support the development of a circulation plan and road standards for the existing and proposed road system within the Los Alamos Hills area that reflects the land uses and development intensity within a Specific Plan.

LU-23.2 Explore the use of traffic calming measures, as appropriate.

Historic Murrieta Specific Plan Area

Goal LU-24 Historic Murrieta as the City's cultural, civic and community center.

Policies

LU-24.1 Preserve and enhance the historic Murrieta area as the governmental and cultural focal point of the City.

LU-24.2 Continue the expansion of a traditional town development pattern with a grid street design and urban land use intensities to support a pedestrian-oriented environment.

LU-24.3 Encourage the location of civic, institutional, office uses, and other job-creating uses in Historic Murrieta. Supportive commercial activities and residential development should be encouraged.

LU-24.4 Encourage the development of community amenities such as libraries, museums, galleries, theaters, and other cultural activities within the historic Murrieta area.

LU-24.5 Encourage a broader mix of uses, including entertainment, along Washington Street, while maintaining the small-town character.

LU-24.6 Encourage mixed-use development projects within the Historic Downtown that create a pedestrian style living environment and encourage use of mass transit.

LU-24.7 Update the Historic Murrieta Specific Plan to enable the area to serve its functional role, and to carry forward a program of infrastructure development.

INTERAGENCY COORDINATION

Goal LU-25 Collaboration with Federal, State, County, and other regional agencies and authorities to ensure compliance with existing and future legislation that affects the City of Murrieta.

Policies

LU-25.1 Provide a strong role in the development of regional planning efforts by ensuring local land use issues are adequately addressed at the regional level.

LU-25.2 Establish a strong role in the implementation of Proposition 1A with the California High Speed Rail Authority (CHSRA).

LU-25.3 Continue coordination with the California Department of Transportation (Caltrans) related to the local impacts of change and development of the I-15 and I-215 Freeways as well as other local transportation routes and areas of influence under the jurisdiction of Caltrans.

LU-25.4 Continue coordination with the Riverside County Transportation Commission (RCTC) to ensure regional and sub-regional transportation efforts reflect Murrieta's unique attributes.

LU-25.5 Comply with procedures and programs of the County of Riverside and the Local Agency Formation Commission for future annexations.

LU-25.6 Consider the future annexation of the Sphere of Influence area.

LU-25.7 Seek out the formation of multi-jurisdictional partnerships with local, State, and Federal agencies and/or private interests. The City shall cooperate with the Riverside County Flood Control and Water Conservation District (RCFCWCD), Army Corps of Engineers, and the Riverside County Board of Supervisors in the development of waterways, tributaries, detention basins, and watershed management.

LU-25.8 Establish land use patterns that protect the public from impacts (noise, potential accidents) associated with the French Valley Airport, through the following:

- Consult with the Riverside County Airport Land Use Commission to ensure consistency with the scope and intent of the Airport Land Use Commission Law.
- Allow development in accordance with the Riverside County Airport Land Use Compatibility Plan and the French Valley Airport Compatibility Zones.
- Prohibit structures that are determined to be a "hazard" by the Federal Aviation Administration within the Riverside County Airport Land Use Compatibility Plan.
- Monitor legislation and regulations established by the Riverside County Airport Land Use Commission.

LU-25.9 Work closely with the Riverside County Airport Land Use Commission and other involved agencies in the development and review of the French Valley Airport Land Use Plan and other planning and environmental studies.

LU-25.10 Submit tentative tract maps and parcels maps to the Riverside County Airport Land Use Commission for consistency review. This is applicable to properties designated as Large Lot Residential and Single-Family Residential in the General Plan and that are located within Compatibility Zones C and D in the French Valley Airport Land Use Compatibility Plan.

LU-25.11 Submit commercial development and places of assembly to the Riverside County Airport Land Use Commission for consistency review with the applicable average and single-acre population intensity limits in the French Valley Airport Land Use Compatibility Plan for properties within Compatibility Zones B1, C, and D.

LU-25.12 Require new development that is 10 acres or larger in area shall incorporate open space area in compliance with the Riverside County Airport Land Use Compatibility Plan Section 4.2.4 and in compliance with the applicable compatibility zones requirements in the French Valley Airport Land Use Compatibility Plan.

DEVELOPMENT IN ADJACENT JURISDICTIONS

Goal LU-26 The City understands that development on lands adjacent to the City's corporate boundary can profoundly affect Murrieta residents and businesses.

Policies

LU-26.1 Cooperate with other jurisdictions in developing compatible land uses on lands adjacent to, or near, the City's corporate boundaries to minimize significant

impacts and potentially benefit residents, businesses, and/or infrastructure systems in Murrieta.

LU-26.2 Monitor planning and environmental assessments for development projects in adjacent jurisdictions and participate in public hearings for the projects.

CODE ENFORCEMENT

Goal LU-27 The quality and character of the City is preserved and enhanced by compliance with relevant codes and regulations.

Policies

LU-27.1 Review the Development Code and determine which sections are outdated to meet current trends, regulations, adopted community visions, and the General Plan 2035 land use designations, and revise as necessary.

LU-27.2 Provide equitable, consistent, and effective code enforcement services that resolve complaints citywide, addressing quality of life issues that come from poorly maintained properties.

LU-27.3 Ensure adequate staffing for Code Enforcement to maintain and streamline enforcement efforts.

LU-27.4 Provide public education about property maintenance and Development Code requirements.

ECONOMIC DEVELOPMENT ELEMENT

Goal ED-1 A highly visible and attractive commercial/mixed-use regional hub located at the confluence of the I-15 and I-215 Freeways in central Murrieta.

Policies

ED-1.1 Promote the City's location between two interstate freeways to create a regional hub of an intensity and scale commensurate with its regional orientation, high visibility, and gateway location.

ED-1.2 Encourage the development and integration of a mix of uses in a "main street" setting that includes retail anchored department stores, entertainment, hotel, office, retail, residential, and transit-oriented development and/or mixed uses that provide a regional draw.

ED-1.3 Encourage transit-oriented development within this area to support future transit opportunities.

Goal ED-2 **A fiscally strong governance that meets the public service demands of residents and businesses.**

Policies

ED-2.1 Conduct thorough and frequent reviews of fiscal policy in order to maintain balanced tax and fee structures and to respond to changing fiscal policies at broader governmental levels.

ED-2.2 Improve the ongoing fiscal revenue and cost structure of the City, particularly revenue growth potential associated with hotel, retail, and restaurant land use development, business activities, and redevelopment/revitalization programs.

ED-2.3 Require fiscal impact analysis, as appropriate, for any development project requesting public funding, infrastructure participation, or revenue sharing.

ED-2.4 Actively seek to replace vacating businesses with users capable of generating similar or greater fiscal revenue streams.

ED-2.5 Review the City's fiscal revenue and cost structure on a periodic basis, using the established fiscal analysis framework, so that staff-level assessment can be provided in a quick, cost-effective, and accurate manner.

ED-2.6 Review city-sponsored programs and services to ensure that residents and businesses are provided high quality services in a cost-effective manner.

ED-2.7 Create a program that allows long-range public facilities financing for projects that provide economic and other benefits to the City; link capital improvements with General Plan priorities as part of the annual CIP process.

ED-2.8 Include a financing plan for infrastructure and related capital improvements for large-scale development projects that are consistent and coordinated with the City master plans.

ED-2.9 Maintain an updated system of development impact and processing fees and charges.

ED-2.10 Strive to limit the burden of taxes and special assessment on residential development to a maximum of 2.0 percent of the total assessed value in concert with other taxing entities

Goal ED-3 **A sound, stable, and diversified economic base.**

Policies

ED-3.1 Support a diverse range of business activities including professional/technical, information, technology-focused manufacturing, research and development, including medical research and research institutions, educational services, medical/health services, and financial services.

ED-3.2 Promote Murrieta as a center for medical/health services and technology through active encouragement and recruitment of medical office, medical research, and health care facilities around the Loma Linda University Medical Center, South Murrieta Business Corridor, and confluence of the I-15/I-215 Freeways.

ED-3.3 Create incentives to attract new businesses and industries that provide employment opportunities that match the education and occupational skill levels of Murrieta residents.

ED-3.4 Develop an economic base that attracts jobs and exports products and services by capitalizing on the City's strategic location and relatively lower land prices between greater Los Angeles/Orange County metro and San Diego market regions.

ED-3.5 Encourage companies that are involved in the manufacture of products for export, including international export, to invest and locate in the City.

ED-3.6 Encourage the development of technology incubators to promote entrepreneurship and support start-up companies.

ED-3.7 Work with area universities to promote technology start-ups and encourage technology transfer-related companies to locate within the City.

Goal ED-4 Positive balance between the supply of retail opportunities and demand for goods and services.

Policies

ED-4.1 Encourage retail development projects that can realistically satisfy community-wide and regionally-based demand for goods and services.

ED-4.2 Encourage retail development, expansion, and remodeling projects that can effectively reverse or minimize outflows of local resident expenditures to retail facilities beyond the City limit.

ED-4.3 Support a concentration of retail centers in functional nodes at freeway intersection locations to maximize exposure and convenient access within the regional trade area environment.

ED-4.4 Support high-volume retail outlets along the Madison Avenue Corridor from Guava Street north to California Oaks/Kalmia Road, and on major intersecting streets.

ED-4.5 Create a unified urban design, marketing, and imaging strategy to strengthen the Madison Avenue commercial corridor.

ED-4.6 Encourage the development of a mix of moderate to high-end restaurants throughout the City, particularly in concert with business, entertainment, and cultural developments.

ED-4.7 As the economy improves, encourage continued development of a multi-dealer automotive sales center that satisfies regional demand for automotive purchases, captures sales tax, and takes advantage of the auto center's freeway exposure and access.

ED-4.8 Encourage retail developments to locate in areas where they can be most effective in terms of meeting the needs of local households and encourage mixed use which can create neighborhood centers of activity.

ED-4.9 Allow retail development, in areas not currently designated for commercial land use by the General Plan, only after a thorough evaluation of their market potential for success.

Goal ED-5 An improved jobs/housing balance.

Policies

ED-5.1 Encourage flex-tech buildings within business corridors and higher intensity office uses along freeway corridors with adequate visibility, convenient access, and future transit-oriented opportunities.

ED-5.2 Encourage the concentration of compatible employment-generating uses, such as professional office, research and development, and health-related services.

ED-5.3 Encourage a mix of housing types by price and rental ranges that are commensurate with the range of wage and household types attracted by a diversified economic base.

ED-5.4 Encourage housing that is within economic reach of all income levels and living styles inclusive of age-restricted housing, estate and ranch properties, single-family detached, single-family attached, town homes, condominium flats, and apartments.

Goal ED-6 An educated and highly-skilled labor force.

Policies

ED-6.1 Encourage and support the development of institutions of higher education to serve educational pursuits of area residents and provide a highly skilled employment pool attractive to business investment and economic growth.

ED-6.2 Support the development of technical colleges and training institutions that build job skills commensurate with the growth of the economic base, particularly in the emerging health care services industry and the need for doctors, nurses, and other trained personnel.

ED-6.3 Coordinate and collaborate with the Murrieta Valley Unified School District, community colleges, and employers to develop specialized technical and vocational training programs to help match the skills of area residents with employer needs.

ED-6.4 Support professional development and continuing education programs so that working adults can expand their skills and embrace lifelong learning.

Goal ED-7 Tourism and leisure opportunities that attract residents and visitors.

Policies

ED-7.1 Encourage the development of tourist and entertainment-type facilities such as hotels, dinner house restaurants, performing arts center, museums, a music and festival park, an amusement park, mineral hot springs, golf courses, and visitor information centers.

ED-7.2 Encourage the development of business-oriented hotels that capitalize on the superior freeway locations in Murrieta and the expanding office, professional and technical job base.

ED-7.3 Encourage development and business activities that capitalize on natural amenities and resources of the area such as trail and tour guides, campgrounds, rodeos, equestrian breeding and training farms, nature and open space preserves.

ED-7.4 Promote and encourage future development of a full-service resort that incorporates local amenities and attractions, such as the mineral hot springs and the nearby vineyards and wineries.

ED-7.5 Explore opportunities to capitalize on Murrieta's proximity to Temecula Valley wine country.

Goal ED-8 Strategic Approach to Economic Growth

Policies

ED-8.1 Encourage and market to employers that provide employment opportunities commensurate with the education and skills of Murrieta residents.

ED-8.2 Support a business friendly environment for new businesses to locate in Murrieta and existing businesses to flourish.

ED-8.3 Formulate and implement strategies that are responsive to critical economic goals of the community and monitor and update these goals annually through the Economic Development Department.

ED-8.4 Explore opportunities for business assistance and incentive programs to attract businesses to the City.

ED-8.5 Establish a Business Retention and Expansion program that supports existing and future businesses.

ED-8.6 Establish a priority for implementation programs while maintaining flexibility to adjust to market-based conditions, as necessary; coordinate with General Plan priorities.

ED-8.7 Periodically assess the ability of the City to meet the growth needs of office and research and development firms.

ED-8.8 Maintain economic information and development opportunities on the City's website and creative interactive links with the real estate brokerage and development industry.

ED-8.9 Continue to work with the Murrieta Chamber of Commerce to promote the continued economic growth of the City and provide businesses with the tools and services to succeed.

ED-8.10 Continue to consult with technical networking organizations to market Murrieta and encourage new businesses and industries to locate in the City.

ED-8.11 Work with property owners to promote the vision of the community as a future job-rich center.

Goal ED-9 A coordinated and stable regional economic environment.

Policies

ED-9.1 Coordinate implementation efforts with other economic development programs carried out by other implementation agencies including, but not limited to: Murrieta Redevelopment Agency, Murrieta Chamber of Commerce, Temecula Chamber of Commerce, Riverside County Economic Development Agency, Western Riverside County Council of Governments, San Diego Association of Governments, San Diego North Economic Development Council, San Diego Regional Economic Development Corporation, Southwest California Economic Alliance, and Southwest California Economic Development Corporation.

ED-9.2 Where possible, capitalize on economic development efforts already occurring within the region and maintain active economic development partnerships with other local and regional governments and agencies.

ED-9.3 Ensure that future annexations are fiscally and economically beneficial to the City and are accomplished through a coordinated effort between the City, LAFCO, and other interested agencies.

ED-9.4 Continue to partner with Temecula to market and promote the "Twin Cities" as a job center between the Los Angeles/Orange County and San Diego metro areas.

Goal ED-10 A revitalized and economically stable Historic Downtown Murrieta.

Policies

ED-10.1 Encourage compatible economic development activities that support the historic nature and unique character of Historic Downtown Murrieta and strengthens its citywide and regional draw.

ED-10.2 Encourage the development of neighborhood level retail uses and personal services within Historic Downtown Murrieta that serve the surrounding residents and businesses.

ED-10.3 Provide opportunities for mixed-use commercial and residential development to render Historic Downtown Murrieta a commercially viable entity consistent with its functional scale.

ED-10.4 Complete development of a Civic Center complex within Historic Downtown Murrieta on the Town Square site.

ED-10.5 Consider opportunities for the development of higher-density and mixed-use residential uses to support commercial development within the Historic Downtown.

ED-10.6 Consider opportunities to incorporate entertainment and cultural/art venues and activities within Historic Downtown Murrieta.

ED-10.7 Utilize redevelopment assistance and special programs to attract retailers and encourage new mixed-use development within the area.

CIRCULATION ELEMENT

Goal CIR-1 A circulation system that serves the internal circulation needs of the City, while also addressing the inter-community or through travel needs.

Policies

CIR-1.1 Ensure the transportation system can adequately serve the concentrations of population and employment activities identified by the Land Use Element.

CIR-1.2 Maintain a Level of Service “D” or better at all intersections during peak hours. Maintain a Level of Service “E” or better at freeway interchanges during peak hours.

CIR-1.3 Maintain an average daily traffic (ADT) Level of Service “C” or better for all roadway segments. As an exception, LOS “D” may be allowed in the North Murrieta Business Corridor, Clinton Keith/Mitchell, Golden Triangle North (Central Murrieta), South Murrieta Business Corridor, or the Multiple Use 3 Focus Areas, or other employment centers. LOS “D” may be allowed only at

intersections of any combination of Secondary roadways, Major roadways, Urban Arterial roadways, Expressways, conventional state highways, or freeway ramps.

CIR-1.4 Continue to improve signal coordination and advanced traffic management systems at major intersections and along roadway corridors in order to optimize traffic flow through the City and reduce traffic queuing.

CIR-1.5 Maintain a set of street standards and require that all new road facilities be constructed or upgraded, where feasible, to meet City standards.

CIR-1.6 Coordinate with Caltrans to implement necessary improvements at intersections where the agencies have joint jurisdiction.

CIR-1.7 Evaluate the Circulation Element roadway plan on a regular basis using the City of Murrieta Traffic Model.

CIR-1.8 Identify and evaluate the major intersections requiring special design treatment to increase their vehicular capacity.

CIR-1.9 Provide a coordinated traffic control system that moves traffic within and through the City in an efficient and orderly manner. Upgrade systems as technology evolves.

CIR-1.10 Limit driveway and access on major arterial streets, where feasible, to maintain a desired quality of traffic flow.

CIR-1.11 Support the implementation of complete streets through a multi-modal transportation network that balances the needs of pedestrians, bicyclists, transit riders, mobility-challenged persons, older people, children, and vehicles while providing sufficient mobility and abundant access options for existing and future users of the street system.

CIR-1.12 Maintain an effective City truck route system to ensure that movement of truck traffic is accommodated by and confined to designated streets.

CIR-1.13 Work with adjacent communities and regional agencies to identify appropriate systems for goods movement.

CIR-1.14 Review current goods movement patterns and determine if possible restrictions on hours of truck traffic may reduce impacts to area streets.

Goal CIR-2 A comprehensive circulation system that promotes safety.

Policies

CIR-2.1 Establish speed limits throughout the City that relate to the design and operating characteristics of roadways.

CIR-2.2 Maintain an ongoing maintenance program to ensure the safety of the City's roadway system.

CIR-2.3 Provide a circulation network that accommodates the safe and efficient movement of all forms of non-motorized travel.

CIR-2.4 Ensure roadway signage of adequate size to clearly convey street names or traffic control measures is installed and maintained.

CIR-2.5 Include paved shoulders on all roads in non-urban areas that can be used by cyclists and pedestrians.

CIR-2.6 Explore the use of traffic calming measures on streets with high incidences of speeding and/or history of collisions.

CIR-2.7 Publish and promote safe pedestrian and bike routes through creating an accurate citywide map and posting pedestrian/cyclist-scale wayfinding signage.

CIR-2.8 Encourage driveway consolidation and the use of shared driveways in commercial areas.

CIR-2.9 Ensure new roadways and intersections provide adequate sight distances for safe vehicular movement.

CIR-2.10 Review and comment on school district Environmental Impact Reports (EIRs) to ensure proposed school circulation systems address traffic and pedestrian safety within and adjacent to the site.

CIR-2.11 Work with the school districts to incorporate a Safe Routes to Schools program and establish a task force for school siting (including school closures) and safe routes decisions such as public works, city, county, Caltrans, law enforcement, school staff, public health, community groups and others.

CIR-2.12 Consider the development and implementation of Pedestrian Safety Guidelines that also include streetscape standards that emphasize pedestrian and cyclist safety (lighting, trees, greenery, traffic calming measures, etc.).

CIR-2.13 Work with the Murrieta Valley Unified School District and other local school districts, neighborhood associations, HOAs, and Parent Teacher Associations (PTAs) to facilitate the creation of “walking school buses,” “bike trains”, carpools and crossing guards for Murrieta schools.

CIR-2.14 Ensure that efficient and safe access for emergency vehicles is provided to all development

Goal CIR-3 Circulation systems that preserve the quality of residential neighborhoods.

Policies

CIR-3.1 Enforce speed limits and other regulatory signs in those areas defined by the California Vehicle Code as residential neighborhoods.

CIR-3.2 Review the design of all proposed new residential neighborhoods to ensure that “cut through” routes are minimized and pedestrian connections are maximized.

CIR-3.3 Discourage the flow of truck traffic and through traffic in residential neighborhoods.

CIR-3.4 Consider the development and implementation of Traffic Calming Guidelines to address safety within residential neighborhoods.

CIR-3.5 Continue to utilize the Neighborhood Traffic Management Program to provide all residential, commercial, and industrial properties sufficient and safe access for every vehicle.

Goal CIR-4 Financing programs provide adequate funding for the City's roadway system.

Policies

CIR-4.1 Identify and evaluate potential local revenue sources for financing roadway system development and improvement projects.

CIR-4.2 Pursue viable revenue sources to meet the roadway system funding needs from state, regional, and federal sources.

CIR-4.3 Pursue coordination of joint funding and development programs with adjacent cities and the County of Riverside for transportation related improvements in the Plan Area.

Goal CIR-5 A supported regional transportation system that serves existing and future travel between Murrieta and other population and employment centers within southwest Riverside County and the larger region, and that accommodates the regional travel needs of developing areas outside the City.

Policies

CIR-5.1 Coordinate with appropriate jurisdictions and agencies to encourage the timely improvement of roadway and transit facilities that address area-wide and regional travel needs, including the State Transportation Improvement Program (STIP), the Riverside County Integrated Project (RCIP), and the Community and Environmental Transportation Acceptability Process (CETAP)..

CIR-5.2 Coordinate with adjacent jurisdictions on regional transportation planning efforts.

CIR-5.3 Coordinate with the Cities of Temecula, Wildomar, and Lake Elsinore to pursue funding for and preparation of a transportation plan for the Jefferson Avenue Corridor.

CIR-5.4 Actively pursue the construction of the French Valley Parkway connector system, south of the I-15/1-215 confluence in cooperation with Caltrans, the City of Temecula, Riverside County, and local developers.

CIR-5.5 Actively pursue the construction of a new east-west corridor and interchange at Keller Road in cooperation with Caltrans, Riverside County, and local developers.

CIR-5.6 Actively pursue the improvements to existing interchanges within the City and construction of new over-crossings, as identified in the Capital Improvements Program215, to achieve the adopted service level standards.

CIR-5.7 Support the addition of capacity improvements, such as high occupancy vehicle lanes, general purpose lanes, or auxiliary lanes on I-15 and 1-215.

CIR-5.8 Participate in programs to mitigate regional traffic congestion.

CIR-5.9 Coordinate with Western Riverside Council of Governments, Riverside County, and Riverside County Transportation Commission to identify, protect, and pursue opportunities for public transit along major transportation corridors, and future high speed rail service, which connect Murrieta to other population centers.

CIR-5.10 Support the siting and development of a Metrolink Station(s) within Murrieta along the I-15 and/or I-215 corridors.

CIR-5.11 Coordinate with California High Speed Rail Authority, Riverside Transit Authority, and City of Temecula on the siting and development of a California High Speed Rail Intermodal Transit Center.

CIR-5.12 Continue to work with public transportation agencies to provide adequate levels of service to Murrieta citizens.

CIR-5.13 Coordinate with adjacent jurisdictions regarding the planning and coordination of circulation improvements in the Sphere of Influence area.

CIR-5.14 Encourage new large residential, commercial, or employment developments to locate on existing and planned transit routes.

Goal CIR-6 Alternative travel modes and facilities are available to serve residents and employers/employees and reduce vehicle miles traveled.

Policies

CIR-6.1 Encourage alternatives to single-occupancy vehicle transportation such as rail, public transit, paratransit, walking, cycling, and ridesharing.

CIR-6.2 Support a variety of transit vehicle types and technologies to serve different transportation needs.

CIR-6.3 Work with the Riverside Transit Agency, Murrieta Chamber of Commerce, and/or the City's Economic Development Department to conduct a travel/commute survey with the intent of creating vanpools, carpools, and employment center shuttles to reduce single occupant vehicles.

CIR-6.4 Seek opportunities for funding that goes to support alternative forms of transportation.

CIR-6.5 Support the dedication and/or construction of appropriate facilities in support of a public transportation system.

CIR-6.6 Identify opportunities to implement the Western Riverside County Non-Motorized Transportation Plan within key activity centers of the City through the development of non-motorized transportation corridors and facilities (i.e., neighborhood electric vehicle routes, bikeways, pedestrian paths, sidewalks/paths).

CIR-6.7 Coordinate with the Riverside Transit Agency to provide fixed route transit service along transportation corridors connecting to employment and commercial areas, schools, health care facilities, and major recreation areas.

CIR-6.8 Support the construction of bus turnouts with shelters adjacent to new developments where transit demand levels may be sufficient in the future to warrant such accommodations to maintain traffic flow and provide safe loading/unloading for bus passengers. .

CIR-6.9 Work with the Riverside Transit Agency to evaluate bus stops locations and amenities. Encourage the incorporation of transit amenities such as bus shelters and benches into existing and new bus stop locations.

CIR-6.10 Provide for express transit service through implementation of park-and-ride facilities along regional transportation corridors.

CIR-6.11 Encourage employer-based incentive programs for use of public transit and improve awareness of such programs.

CIR-6.12 Increase public education about public transit options.

CIR-6.13 Continue to require new development to submit a Trip Reduction Plan, if applicable, in compliance with the Transportation Demand Management Ordinance.

CIR-6.14 Encourage employers to provide employee incentives for utilizing alternatives to the automobile (i.e., carpools, vanpools, buses, flex time, telecommuting, bicycling, and walking, etc.).

Goal CIR-7 Residential areas and activity centers are accessible to all pedestrians, including persons with disabilities or having special accessibility needs.

Policies

CIR-7.1 Encourage future developments to provide an internal system of sidewalks/pathways linking schools, shopping centers, and other public facilities with residences.

CIR-7.2 Require pedestrian access from the interior of new residential areas to public transit stops.

CIR-7.3 Encourage safe pedestrian walkways and ensure compliance with the Americans with Disabilities Act (ADA) requirements within all developments.

CIR-7.4 Consider the development and implementation of Pedestrian Friendly Street Standards.

CIR-7.5 Provide pedestrian amenities such as benches, trees, landscaping, and shade trees to encourage people to walk to destinations.

CIR-7.6 Promote improved demand responsive transit services for elderly and disabled persons.

CIR-7.7 Ensure visibility and access for pedestrians and encourage the removal of barriers (walls, fences) to allow for safe and convenient movement.

CIR-7.8 Work with Riverside County Transportation Commission, local retirement homes, the Senior Center, and other community groups to expand affordable and reliable transportation options for older adults and disabled persons.

Goal CIR-8 Development, expansion, and maintenance of a network of bicycle, pedestrian, and multi-use trails that allows residents to travel between parks, schools, neighborhoods, and other major destinations without driving.

Policies

CIR-8.1 Create, update, and implement a master plan for non-motorized travel throughout the City, including multi-use trails, off-street paved bikeways, on-street bikeways, and related amenities.

CIR-8.2 Promote bicycle and pedestrian trails along major home to work and other travel routes.

CIR-8.3 Consider roadway design guidelines for new development and for capital improvement plans that enhance bicycle and pedestrian connectivity and safety.

CIR-8.4 Consider that 6- to 8-lane arterial roads provide a 5- to 6-foot-wide tree buffer (parkway) between pedestrians and through traffic.

CIR-8.5 Separate multi-use trails from roadways where feasible, or design multi-use trail crossing to occur at controlled intersections.

CIR-8.6 Establish guidelines for new development projects to include multi-use trails that connect to schools, parks, Historic Downtown, and other neighborhoods in the community.

CIR-8.7 Review and pursue opportunities to develop a trail head from the Murrieta Equestrian Park to the Santa Rosa Plateau and other adjacent areas.

CIR-8.8 When different uses are developed adjacent to each other – such as new commercial adjacent to new residential – require them to provide high-quality pedestrian amenities and connections between each other to the greatest degree possible.

CIR-8.9 Create cyclist and pedestrian connections through cul-de-sacs and across other barriers, connecting neighborhoods with each other and the citywide trail system. When feasible, consider purchasing easements across private land for priority pedestrian connections.

CIR-8.10 Work with adjacent property owners to create an interconnected trail that extends along the public right-of-way, which will benefit business by increasing exposure and access, and benefit the community through encouraging fitness, improved access, and a connected community.

CIR-8.11 Coordinate the location of multi-use trails to connect with regional trail systems, where feasible.

CIR-8.12 Pursue funding or grant opportunities to plan, construct, and maintain pedestrian, bicycle, and multi-use trails.

CIR-8.13 Maintain a map or maps of current bikeways and multi-use trails, and make the map(s) available to the public.

CIR-8.14 Partner with schools, employers, and community groups to teach bicycle and pedestrian safety in schools and workplaces and to educate residents about the benefits of walking and bicycling.

CIR-8.15 Consider changing the name of the "Traffic Commission" to the "Transportation Commission," and revise its scope to explicitly address all forms of transportation including automobile, bicycle, pedestrian, public transportation, and ADA enhancements.

Goal CIR-9 An adequate supply of private off-street and public parking.

Policies

CIR-9.1 Ensure development projects comply with the parking requirements identified in the Development Code.

CIR-9.2 Encourage provision of joint-use and public parking facilities where needed by special assessment districts or other mechanisms.

CIR-9.3 Work cooperatively with developers and the business community to develop funding mechanisms for the construction of future parking facilities.

CIR-9.4 Consider reducing or waiving minimum parking requirements for development projects that implement Transportation Demand Management programs and/or are located near transit nodes.

CIR-9.5 Design dense nodes of commercial and retail businesses with no off-street parking that can be served by public parking garages so people can park once for multiple purposes.

CIR-9.6 Update the City's parking requirements in the Development Code to require bicycle parking and storage for all new development or redevelopment projects.

INFRASTRUCTURE ELEMENT

Coordinated Infrastructure

Goal INF-1 New development and redevelopment is coordinated with the provision of adequate infrastructure for water, sewer, storm water, and energy.

Policies

INF-1.1 Encourage future development to occur in areas where infrastructure for water, sewer, and storm water can most efficiently be provided.

INF-1.2 Discourage development in areas without connections to existing infrastructure, unless infrastructure is being provided.

INF-1.3 Encourage the annexation of unserved areas into water district service areas.

INF-1.4 Ensure that new development and redevelopment provides infrastructure for water, sewer, and storm water that adequately serves the proposed uses, and that has been coordinated with affected infrastructure providers.

INF-1.5 Continue to require new development and redevelopment to provide verification that energy utilities are able to accommodate the additional demand for service.

INF-1.6 Provide information to water districts, Riverside County Flood Control and Water Conservation District (RCFCWCD), and energy utilities in their planning efforts to ensure adequate infrastructure is available for anticipated development.

INF-1.7 Encourage the preparation and updates of master plans by the appropriate providers or agencies to conduct detailed long-range planning to ensure the efficient provision of public services, infrastructure, and/or utilities.

INF-1.8 Consult with water districts and Riverside County Flood Control and Water Conservation District (RCFCWCD) to ensure that fee structures are sufficient for new development and redevelopment to pay its fair share of the cost of infrastructure improvements for water, sewer, and storm water.

INF-1.9 Encourage the water districts to proactively manage their assets through the maintenance, improvement, and replacement ofaging water and wastewater systems to ensure the provision of these services to all areas of the community.

INF-1.10 Encourage the water districts to improve water and wastewater services in a way that respects the natural environment.

INF-1.11 Ensure sufficient levels of storm drainage service are provided to protect the community from flood hazards and minimize the discharge of materials into the storm drain system that are toxic or which would obstruct flows.

INF-1.12 When managed by the City, continue to maintain and replace aging storm drain systems to ensure the provision of these services to all areas of the community.

INF-1.13 Cooperate in regional programs to implement the National Pollutant Discharge Elimination System program.

INF-1.14 Continue to participate with other agencies on public education and outreach materials for countywide distribution to focus on public education and business activities with the potential to pollute. Distribute Best Management Practices (BMP) guidance for business activities, including but not limited to, mobile detailing, pool maintenance, restaurant cleaning operations, and automotive service centers.

INF-1.15 Continue to implement the City's residential informational and outreach program by providing homeowners with Best Management Practices (BMP) for activities such as, but not limited to:

- Disposal of fats, oils, and grease
- Disposal of garden waste
- Disposal of household hazardous waste
- Disposal of pet waste
- Garden care and maintenance
- Vehicular repair and maintenance
- Vehicular washing

INF-1.16 Continue to annually report the City's activities as part of its submittal to the San Diego Region Water Quality Control Board. Activities the City should report on include, but are not limited to:

- Litter Control
- Solid Waste Collection/Recycling
- Drainage Facility Maintenance
- Catch Basin Stenciling
- Street Sweeping

INF-1.17 Consider incorporating water quality features into new or redevelopment projects with sufficient land area. These features could address both project-specific and other local impacts.

INF-1.18 Minimize the adverse effects of urbanization upon drainage and flood control facilities.

INF-1.19 Encourage the City and the Riverside County Flood Control and Water Conservation District improve the storm drain system in a way that respects the environment.

INF-1.20 When considering development and City annexations, include assessment of all impacts to public facilities, services, and infrastructure, and identify any necessary mitigation.

INF-1.21 Encourage the use of specific plans, development agreements, or mechanisms that specify the nature, timing, cost, and financing mechanisms to be used to fund water, wastewater, and/or storm drainage improvements and services.

INF-1.22 Work with property owners to establish a financing mechanism, such as financing districts, to provide infrastructure and maintenance in major employment locations and corridors, such as the North Murrieta Business Corridor, South Murrieta Business Corridor, and at the confluence of the I-15 and I-215 Freeways.

INF-1.23 Utilize, where appropriate, public financing mechanisms, such as special assessment or community facilities districts to fund water improvement and service costs.

INF-1.24 Consider the use of redevelopment financing, where appropriate, to provide infrastructure in areas where the City wishes to stimulate development.

Recycled Water

Goal INF-2 Infrastructure for recycled water is expanded throughout Murrieta for irrigation and other non-potable uses.

Policies

INF-2.1 Support water district efforts to promote the use of recycled water where infrastructure is available, and to expand infrastructure where it does not currently exist.

INF-2.2 Work with the water districts to explore options for expanding recycled water pipelines to serve City parks and facilities that are near existing infrastructure, such as California Oaks Sports Park and Town Square.

INF-2.3 Continue to require installation of recycled water systems for landscaping, unless there is an exemption from the applicable water district.

INF-2.4 Encourage other major users of irrigation, such as schools and private golf courses, to connect to nearby recycled water pipelines.

INF-2.5 Coordinate with water districts to encourage innovative demonstrations of non-potable uses for recycled water and/or groundwater recharge in City facilities and industrial applications.

Capital Improvement Program

Goal INF-3 A satisfactory Capital Improvement Program.

Policies

INF-3.1 Ensure that the Capital Improvement Program (CIP) meets the City's needs.

INF-3.2 Ensure that the Capital Improvement Program (CIP) meets Measure A, or other appropriate local, regional, or State, requirements.

INF-3.3 Amend as necessary and adopt a Capital Improvement Program.

HEALTHY COMMUNITY ELEMENT

Citywide Health

Goal HC-1 Application of innovative and model best practices in the community health field.

Policies

HC-1.1 Collaborate with the Riverside County Department of Public Health's efforts to systematically collect, track, and analyze community health and social, economic, and physical environmental data.

HC-1.2 Establish procedures and tools that help the City consider health in its planning and policy decisions.

HC-1.3 Encourage that the municipal vehicle fleet achieve the highest possible number of fuel-efficient and low emissions vehicles commercially available.

HC-1.4 Seek opportunities to promote healthy lifestyles, activities, and food choices at City offices and City-organized events.

HC-1.5 Promote the health and well being of City employees through health challenges (e.g., weight loss contests, stop smoking, lunchtime/worktime sponsored events, bike to work days), healthy food choices, and healthy work environments, when feasible.

Goal HC-2 Health and well-being for those who live, work, and play in Murrieta.

Policies

HC-2.1 Consider community health in appropriate City actions and policies.

HC-2.2 Establish relationships and collaborate with local health officials, planners, non-profit organizations, hospitals, local health clinics, and community groups to improve community health.

HC-2.3 Seek input from the Riverside County Department of Public Health and others on proposed development projects or other land use and transportation decisions to encourage that the decisions promote health.

HC-2.4 Incentivize health promotion groups to participate at City-sponsored events (i.e., waive booth fees at fairs, etc.).

HC-2.5 Consider one or both of the following:

- Encourage developers of larger commercial/office/business park/industrial projects or projects that include sensitive uses (schools, senior centers, medical facilities, and larger residential projects) to prepare a health impact assessment (HIA) to determine potential impacts and to incorporate project-specific mitigation measures to avoid this risk.
- A Healthy Development Checklist for use in reviewing new major development projects before finalizing plans.

HC-2.6 Work with Riverside County and community groups to support the availability of substance abuse treatment services to encourage a functional and healthy workforce.

Environmental Health

Goal HC-3 Clean, breathable indoor and outdoor air.

Policies

HC3.1 Update and enforce tobacco control laws that pertain to location and retailing practices, smoking restrictions, and smoking-free home and workplace laws.

HC-3.2 Disseminate information to tenants and property owners about indoor mold growth hazards, reduction, and prevention methods.

Public Spaces for Physical Activity and Social Cohesion

Goal HC-4 Public spaces that foster positive human interaction and healthy lifestyles.

Policies

HC-4.1 Create public plazas with seating, art, and play features near shopping and business districts.

HC-4.2 Work with restaurants and cafes to create sidewalk outdoor seating areas to activate the sidewalk.

HC-4.3 Allow and encourage residents to apply for street closure permits for neighborhood block parties.

HC-4.4 Build an affordable, accessible, and flexible central gathering/meeting space that individuals and community groups can rent for a variety of social, cultural, educational, and civic purposes.

HC-4.5 Encourage the development and display of public art to promote the history, heritage, and culture of Murrieta.

HC-4.6 Consider adopting a public art ordinance that 1) provides incentives for businesses to provide public art and 2) establishes a fee for commercial and industrial projects that do not wish to install public art.

Healthy Economy

Goal HC-5 Socially and environmentally responsible businesses that provide meaningful employment opportunities to residents.

Policies

HC-5.1 Develop programs to attract and retain industries that can provide a living wage, provide health insurance benefits, and meet existing levels of workforce education.

HC-5.2 Conduct a green technology business incubator feasibility study.

HC-5.3 Engage existing business incubators and recruit green technology entrepreneurs to their facilities to develop a track record for green technology business development.

HC-5.4 Encourage local employers to adopt healthy living/healthy employee programs and practice such as health challenges (e.g. weight loss contests, stop smoking, lunchtime/worktime sponsored events, bike to work days), healthy food choices, and healthy work environments.

Access to Healthy Goods and Services

Goal HC-6 A range of choices for accessible, affordable, and nutritious foods.

Policies

HC-6.1 Encourage equitable distribution of healthy food retail and dining options in all commercial and employment areas of the City.

HC-6.2 Research and consider land use regulations to limit fast food outlet density.

HC-6.3 Identify and utilize available incentives, grants, and/or programs to encourage small grocery or convenience stores to sell basic healthy fresh food items. Programs could include grants or loans to purchase updated equipment, publicity, directories of healthy food outlets, or connecting stores to wholesale sources of healthy food.

HC-6.4 Encourage restaurants to voluntarily eliminate transfats from their menus.

HC-6.5 Identify and utilize available incentives, grants, and/or programs to encourage restaurants to create a healthier dining experience for customers by highlighting healthy dishes, offering smaller portion sizes, and disclosing nutrition facts.

HC-6.6 Support community education programs on healthy eating habits and lifestyles, including topics such as nutrition, physical activity, and vegetable gardening.

HC-6.7 Encourage larger food retailers to carry specialty ethnic food items and support the opening of smaller ethnic food stores.

Goal HC-7 A variety of businesses that help create complete neighborhoods and support community health.

Policies

HC-7.1 Encourage fitness centers such as gyms, yoga and dance studios, martial arts centers, and rock climbing facilities to open in Murrieta.

HC-7.2 Encourage safe, high quality, and affordable child care services for residents and workers in or near housing, transportation, and employment centers.

Goal HC-8 Accessible health care and preventative care.

Policies

HC-8.1 Work with local and regional health care agencies to promote preventive treatment and broad access to health care.

HC-8.2 Work with existing organizations and agencies to support high-quality affordable and convenient access to a full range of traditional and alternative primary, preventive, emergency, and specialty health care options.

HC-8.3 Partner with community groups, the Riverside County Public Health Department, and the Murrieta Valley Unified School District to encourage school-based health centers.

HC-8.4 Encourage new public facilities, schools, parks, recreational facilities, and commercial, office, and medical buildings provide drinking fountains.

CONSERVATION ELEMENT

Natural Environment

Water Supply

Goal CSV-1 A community that conserves, protects, and manages water resources to meet long-term community needs, including surface waters, groundwater, imported water supplies, storm water, and waste water.

Policies

CSV-1.1 Encourage the provision of a safe and sufficient water supply and distribution system.

CSV-1.2 Promote the maximization of water supplies through conservation, water recycling, and groundwater recharge.

CSV-1.3 Promote the protection of groundwater supplies from contamination.

CSV-1.4 Support water purveyors in promoting a City-wide recycled water system through project review and coordination with water districts.

CSV-1.5 Encourage the owners of hot springs to protect and enhance them

CSV-1.6 Coordinate water resource management with water districts and regional, state, and federal agencies.

Goal CSV-2 Murrieta promotes compliance with requirements from the State and appropriate agencies regarding comprehensive water conservation measures in buildings and landscaping.

Policies

CSV-2.1 Ensure that all developments comply with water efficiency requirements, as mandated by the applicable Building Code.

CSV-2.2 Work with water districts to encourage and incentivize the retrofitting of building systems, both indoor and outdoor, with water-conserving fixtures and appliances.

CSV-2.3 Continue to utilize the programs and assistance of regional and State water agencies to increase water conservation throughout the City and Sphere of Influence.

CSV-2.4 Promote water efficient landscaping practices through outreach efforts, project review, and enforcement of City, regional, or State code requirements.

CSV-2.5 Consider streamlining municipal regulations pertaining to landscaping so that applicability and requirements are easily understood.

Storm Water Management and Groundwater Recharge

Goal CSV-3 A community that participates in a multi-jurisdictional approach to protecting, maintaining, and improving water quality and the overall health of the watershed.

Policies

CSV-3.1 Collaborate with partner agencies and other communities to conserve and properly manage surface waters within the City and Sphere of Influence through protection of the watershed and natural drainage system.

CSV-3.2 Promote storm water management techniques that minimize surface water runoff in public and private developments.

CSV-3.3 Utilize low-impact development (LID) techniques to manage storm water through conservation, on-site filtration, and water recycling, and continue to ensure compliance with the NPDES permit.

CSV-3.4 Encourage the creation of a network of “green” streets that minimize stormwater runoff, using techniques such as on-street bio-swales, bio-retention, permeable pavement or other innovative approaches, as feasible.

CSV-3.5 Seek opportunities to restore natural watershed function as an added benefit while mitigating environmental impacts.

Goal CSV-4 Restoration of the natural function and aesthetic value of creeks, while providing flood control measures and opportunities for recreation.

Policies

CSV-4.1 Prioritize creek preservation, restoration and/or mitigation banking along creeks as mitigation for environmental impacts.

CSV-4.2 Consider alternatives to hardlined bottoms and side slopes within flood control facilities, where technically feasible.

CSV-4.3 Preserve Warm Springs Creek and Cole Creek as a wildlife corridor, while accommodating flood control measures and passive recreation.

CSV-4.4 Retain and restore natural drainage courses and their function where health and safety are not jeopardized.

CSV-4.5 Support efforts for restoration, flood control, and recreation along Murrieta Creek, in coordination with regional and federal plans.

CSV-4.6 Seek funds and provide support for creek restoration, maintenance and protection through grant and mitigation programs, development entitlements, and non-profit organizations.

CSV-4.7 Continue to support the architectural enhancement of bridges over creeks as a scenic resource.

Hills and Ridges

Goal CSV-5 Hills and ridges are protected for their environmental and aesthetic values.

Policies

CSV-5.1 Promote compliance with hillside development standards and guidelines to maintain the natural character and the environmental and aesthetic values of sloped areas.

CSV-5.2 Incorporate significant landform features into City parks and open space, where appropriate.

CSV-5.3 Maintain a register of cultural resources that includes landforms with cultural significance.

Mineral Resources

Goal CSV-6 Mineral resources are managed responsibly with minimal impact to surrounding areas.

Policies

CSV-6.1 Ensure compliance with City regulations that seek to prevent or minimize potentially adverse effects of mining, and provide for reclamation of mined lands.

Paleontological Resources

Goal CSV-7 Paleontological resources are conserved as a record of the region's natural history.

Policies

CSV-7.1 Continue development review procedures that protect paleontological resources.

CSV-7.2 Encourage local display and educational use of paleontological resources.

Biological Resources

Goal CSV-8 Conservation of biological resources through habitat preservation and restoration, in coordination with other regional efforts and in compliance with state and federal mandates.

Policies

CSV-8.1 Facilitate the conservation of habitat areas and wildlife corridors under the Western Riverside Multiple Species Habitat Conservation Plan.

CSV-8.2 Address applicable policies and regulations of regional, State, and Federal agencies to achieve common goals for preservation of habitat and the protection of threatened and endangered species.

CSV-8.3 Work with public and private land owners to conserve biological resources.

CSV-8.4 Review development projects to determine their impact on biological resources, and compliance with state and federal regulations.

CSV-8.5 Address Western Riverside Multiple Species Habitat Conservation Plan policies to preserve jurisdictional, wetland, vernal pool and other areas whose hydrology supports habitat and species identified for conservation in the Plan.

CSV-8.6 Address Western Riverside Multiple Species Habitat Conservation Plan policies for an urban interface, to reduce the impacts from toxics, light, noise, invasive plant species and domestic predators (pets).

CSV-8.7 Establish an implementation program to clarify procedures for implementation of the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP) Habitat Acquisition Negotiation Strategy (HANS) in the City and to provide incentives to facilitate conservation with the MSHCP while recognizing private property rights.

Built Environment

Urban Ecology - Trees and Landscaping

Goal CSV-9 A community that promotes the growth of an urban forest and water-efficient landscaping, recognizing that plants provide natural services such as habitat, storm water management, soil retention, air filtration, and cooling, and also have aesthetic and economic value.

Policies

CSV-9.1 Identify and protect native trees, trees of historic or cultural significance, and mature trees, consistent with the Tree Preservation Ordinance.

CSV-9.2 Consider the establishment of street tree standards and a program for street tree planting, maintenance, and replacement.

CSV-9.3 Promote the use of street trees as a buffer between pedestrians and motorized traffic.

CSV-9.4 Encourage the planting of street trees in linear planting beds rather than tree wells in order to support long-living healthy trees.

CSV-9.5 Encourage the planting of trees in private yards and properties.

CSV-9.6 Maintain a guide to preferred trees, shrubs, and ground cover plants of non-invasive species, or refer private parties to an existing guide that meets City needs to assist private landscaping efforts.

CSV-9.7 Allow edible landscaping such as fruit trees, plants that provide foraging opportunities for wildlife, and community gardens on public and private property.

CSV-9.8 Encourage any new landscaped areas requiring permits to respect and incorporate the distinctive elements of the existing community landscape, including the retention of existing trees, to the maximum extent feasible.

CSV-9.9 Promote the use of native plant species in public landscaping of parks, schools, medians and planter strips, as well as in private development throughout the City.

Agriculture

Goal CSV-10 Fresh food is grown locally and made available through multiple venues that maintain a link to the City's agricultural heritage and promote healthy eating.

Policies

CSV-10.1 Allow agricultural uses to continue in rural residential areas.

CSV-10.2 Consider ways to allow small-scale urban agriculture in parks, schools, and neighborhoods.

CSV-10.3 Ensure that residents are permitted to grow fruits and vegetables in their yards, so long as there are not significant negative impacts to adjacent property owners.

CSV-10.4 Encourage and support the use of public lands for community gardens and other food production facilities, when feasible.

CSV-10.5 Support opportunities for local food production and access, such as farmers' markets, community gardens, harvest sharing programs, and community-supported agriculture programs.

CSV-10.6 Encourage local farmers to sell fresh food locally.

CSV-10.7 Allow public facilities such as schools, libraries, and community centers to be used as Community Supported Agriculture pick-up sites, where feasible.

Cultural Resources

Goal CSV-11 Murrieta protects, enhances, and celebrates archaeological, cultural, and historic resources as a way to foster community identity.

Policies

CSV-11.1 Promote the protection and preservation of archaeological, cultural, historical, and architecturally significant sites, structures, districts, Native American resources, and natural features throughout the community, consistent with the Cultural Resource Preservation Ordinance. Preferred methods of protection include avoidance of impacts, placing resources in designated open space and allocation of local resources and/or tax credits as feasible.

CSV-11.2 Encourage appropriate adaptive reuse of historic structures and sites.

CSV-11.3 Promote the designation of eligible resources to the City Register of Cultural Resources, the County Landmarks Program, or other regional, state, or federal programs.

CSV-11.4 Encourage the development of programs to educate the community about Murrieta's historic resources and involve the community in historic preservation.

CSV-11.5 Comply with state and federal law regarding the identification and protection of archaeological and Native American resources, and consult early with the appropriate tribal governments.

CSV-11.6 Investigate the feasibility of establishing a museum or other repository to archive and display Murrieta's archaeological resources.

CSV-11.7 Maintain the position of archivist/historian at the Murrieta Public Library, and promote the Library's Heritage Room as a repository for historical information about the Murrieta area.

CSV-11.8 Promote the use of historic elements in City parks and public places.

CSV-11.9 Exercise sensitivity and respect for all human remains, including cremations, and comply with all applicable state and federal laws regulating human remains.

Energy

Goal CSV-12 Energy conservation and the generation of energy from renewable sources is prioritized as part of an overall strategy to reduce greenhouse gas emissions.

Policies

CSV-12.1 Ensure that all developments comply with energy efficiency requirements as mandated by the applicable Building Code.

CSV-12.2 Work with energy utilities to encourage and incentivize the retrofitting of building systems with energy-conserving fixtures and appliances.

CSV-12.3 Support the on-site installation and use of renewable energy generation systems for residential, commercial, institutional, and industrial uses.

CSV-12.4 Explore options for addressing aesthetic concerns about renewable energy systems that do not unreasonably restrict the use of these systems, remaining consistent with State law.

CSV-12.5 Consider non-commercial solar power generation in residential areas.

CSV-12.6 Encourage new development projects and significant rehabilitation or expansion projects to incorporate innovative energy conservation or generation amenities such as electric vehicle charging stations, solar canopies, and carports.

CSV-12.7 Support bulk purchasing or financing packages of renewable energy purchasing for residential, business and government facilities.

CSV-12.8 Promote community awareness of opportunities to conserve energy and use renewable energy.

Solid Waste

Goal CSV-13 Solid waste is diverted from landfills through waste reduction, re-use and recycling.

Policies

CSV-13.1 Continue to comply with the landfill diversion requirements of the Integrated Waste Management Program.

CSV-13.2 Ensure that non-residential and multi-family developments provide readily accessible areas for recycling (at a minimum) paper, corrugated cardboard, glass, plastics and metals, as required by California law.

CSV-13.3 Maximize community reuse and recycling of products and materials through waste management contracts and public education.

CSV-13.4 Incentivize businesses that provide solutions for recycling and re-use of specific waste streams such as food waste and cooking oils.

CSV-13.5 Work with local landfills or green waste centers to develop the infrastructure for a composting program.

CSV-13.6 Provide public outreach and education workshops and information on the composting program.

CSV-13.7 Work with local landfills or green waste centers, or other interested parties, as appropriate, to implement a community-wide food scrap collection and composting program.

Green Building

Goal CSV-14 A community that encourages and incentivizes the sustainable development of buildings and neighborhoods, particularly with respect to durability, energy and water use, and transportation impacts.

Policies

CSV-14.1 Ensure all applicable construction projects comply with the California State Green Building Standards Code.

CSV-14.2 Encourage the integration of other principles of green building into development standards and guidelines, looking for opportunities to realize other benefits such as improved health and increased bicycle transportation.

CSV-14.3 Identify and reduce regulatory barriers to green building.

CSV-14.4 Raise community awareness regarding green building methods, incentives, and benefits at community events, the planning counter, and on the City's website.

Municipal Operations

Goal CSV-15 A community taking a leadership role in resource conservation and reduction of greenhouse gas emissions by implementing programs to improve municipal operations.

Policies

CSV-15.1 Consider renewable energy generation systems on City-owned property for use in municipal operations.

CSV-15.2 Reduce fuel consumption and emissions from municipal fleet vehicles.

CSV-15.3 Continue to implement waste reduction programs at municipal facilities.

CSV-15.4 Consider retrofitting and/or installing water- and energy-efficient fixtures and appliances in municipal facilities, where appropriate and feasible.

CSV-15.5 Encourage the use of ycled water where appropriate and feasible in City parks and landscaped areas, and demonstrate preferred techniques for water-efficient landscaping, including the use of native plants.

CSV-15.6 Demonstrate cutting-edge green building techniques when constructing and retrofitting municipal buildings.

CSV-15.7 Use energy-efficient lighting in parks, streets and other public places.

Recreation and Open Space Element

PARKS, RECREATION FACILITIES, AND COMMUNITY FACILITIES

Goal ROS-1 Parkland is provided within a convenient distance from all residential areas, in a range of park types that meet different needs for active and passive recreation.

Policies

ROS-1.1 Maintain a minimum standard of 5 acres of local parkland per 1,000 population.

ROS-1.2 Create a strategy for providing sufficient parkland to accommodate needed recreation facilities through land acquisition, joint use, partnerships, and other means.

ROS-1.3 Provide City-Wide Parks, Community Parks, Neighborhood Parks, Neighborhood Play Areas, Special Use Parks, and Nature Parks in locations appropriate to their intended service areas, so that all residential areas are served by parks.

ROS-1.4 Involve the community in planning for parks.

Goal ROS-2 Facilities that support recreation needs, programs, and community events are located throughout the City.

Policies

ROS-2.1 Pursue the development of active recreation facilities through improvements to parks and existing facilities as well as the development of facilities in new parkland.

ROS-2.2 Provide community centers, gymnasiums, and courts for indoor recreation programs in convenient, accessible, and equitably distributed locations.

ROS-2.3 Ensure that recreation facilities provide access and accommodations for users with a range of physical abilities.

ROS-2.4 Consider the installation of water fountains, toilets, and sinks in parks and recreation facilities.

Goal ROS-3 City resources for parks and recreation facilities are leveraged through partnerships, joint use agreements, private facilities, outside funding, and community volunteers.

Policies

ROS-3.1 Maintain the joint use agreement with Murrieta Valley Unified School District and look for additional opportunities to partner in expanding resident access to shared facilities.

ROS-3.2 Continue to cooperate with school districts in locating schools to allow for park development adjacent to campuses.

ROS-3.3 Cooperate with federal, state, and county agencies to provide regional open space and recreation facilities for local residents.

ROS-3.4 Encourage the development of private and commercial recreation facilities.

ROS-3.5 Seek agreements and joint ventures with private entities to provide recreation facilities and activities.

ROS-3.6 Pursue support from federal, state, and private sources to assist with acquisition, design, and construction of parks and recreation facilities.

ROS-3.7 Promote a sense of community responsibility for maintaining and improving the parks and recreation system, and offer ways for individuals, groups, and businesses to invest time and resources in that effort.

RECREATION PROGRAMS

Goal ROS-4 Recreation programs enrich the lives of residents across a broad spectrum of ages, interests, and abilities.

Policies

ROS-4.1 Seek resident involvement and feedback to create recreation programming that is relevant to a broad spectrum of community members.

ROS-4.2 Offer and encourage cultural arts programs and events that provide entertainment, such as concerts, as well as those that develop skills in dancing, drama, music, and the arts.

ROS-4.3 Use recreation programming to promote physical activity, healthy eating, and other healthy lifestyle habits.

ROS-4.4 Collaborate with other providers to expand therapeutic recreation programs for residents with special needs.

Goal ROS-5 Recreation programs foster a sense of community and civic involvement, and promote interaction between residents.

Policies

ROS-5.1 Host special events that become community traditions, appealing to a range of ages.

ROS-5.2 Encourage events in the Town Square Park and Historic Downtown Murrieta.

ROS-5.3 Promote opportunities for multi-generational interaction such as youth mentoring by seniors and business people.

ROS-5.4 Create roles for volunteers to assist with recreation facilities and programs.

YOUTH FACILITIES AND PROGRAMS

Goal ROS-6 Youth are a special focus of recreation facilities and programs.

Policies

ROS-6.1 Expand recreation programs for youth and teens, including before- and after-school care, sports and fitness, outdoor activity and excursions, and arts education.

ROS-6.2 Use recreation programming to promote success in school.

ROS-6.3 Provide safe places for teens to socialize and participate in recreation activities.

ROS-6.4 Expand opportunities for youth to be involved in planning recreation programs, services, and events for youth.

ROS-6.5 Continue providing the Youth Advisory Committee for middle school and high school students.

OPEN SPACE

Goal ROS-7 Open space areas are planned to protect, conserve, and utilize resources of unique character and value for the community.

Policies

ROS-7.1 Preserve and enhance open space resources in Murrieta.

ROS-7.2 Designate open space to preserve habitat and scenic views of natural areas.

ROS-7.3 Seek opportunities to designate open space along waterways, while also providing for the development of trails.

ROS-7.4 When possible, link open space and parks for the movement of wildlife and people.

Goal ROS-8 New development is part of a coordinated system of open space, parkland, recreation facilities, and trails.

Policies

ROS-8.1 Encourage the provision of parks, recreation facilities, and/or open space in new development and redevelopment projects.

ROS-8.2 Ensure that new residential developments provide for recreation needs of residents through development fees and park dedication.

ROS-8.3 Encourage development that promotes outdoor activity.

ROS-8.4 When reviewing new development or redevelopment projects, refer to the Trails Plan to determine whether right-of-way is needed for trails on the project site.

Goal ROS-9 Public plazas or green spaces provide additional open space opportunities for existing and future residents and employees.

Policies

ROS-9.1 Continue to require that adequate, usable, and permanent private open space is provided in residential developments.

ROS-9.2 Encourage new and existing commercial, office, and industrial development to provide outdoor green spaces that may be used by employees.

ROS-9.3 Encourage new development and redevelopment projects to incorporate gardens and green spaces with various cultural influences throughout the community to bridge cultures and provide education opportunities.

ROS-9.4 Encourage green spaces planted with a diverse plant palette in order to promote natural variety, ecosystem services, and enhance the well-being of community residents.

ROS-9.5 Review and modify as necessary, open space requirements for different types of development projects.

Trails

Refer to the Circulation Element Goal CIR-8 and related policies.

Air Quality Element

Goal AQ-1 Improved air quality through participation in regional and local efforts.

Policies

AQ-1.1 Continue to work with the Western Riverside Council of Governments (WRCOG) Regional Air Quality Task Force to implement regional and local programs designed to meet federal, state, and regional air quality planning requirements.

AQ-1.2 Review and update City regulations and/or requirements, as needed, based on improved technology and new regulations including updates to the Air Quality Management Plan (AQMP), rules and regulations from South Coast Air Quality

Management District (SCAQMD), and revisions to SCAQMD's CEQA Guidelines.

AQ-1.3 Cooperate with local, regional, State, and Federal agencies to achieve better transportation facility planning and development.

AQ-1.4 Cooperate with the State and Southern California Association of Governments (SCAG) in the implementation of SB 375 – Regional Transportation Planning, Housing, CEQA and Global Warming Emission Reduction Strategies.

AQ-1.5 Provide public education and/or materials to educate and encourage residents and business owners to purchase/use low toxicity household cleaning products.

Goal AQ-2 The relationship between land use and air quality is considered in policy decisions in order to protect public health and improve air quality.

Policies

AQ-2.1 Locate sensitive receptors (i.e. residences, schools, playgrounds, childcare centers, athletic facilities, churches, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes) away from significant pollution sources to the maximum extent feasible.

AQ-2.2 Avoid locating new homes, schools, childcare and elder care facilities, and health care facilities within 500 feet of freeways.

AQ-2.3 Consider air quality impacts from both existing and new development when making siting decisions.

AQ-2.4 Consult the California Air Resources Board's (CARB) Land Use and Air Quality Handbook and current environmental health research for the safe distances to sensitive land uses including schools, hospitals, elder and childcare facilities, or residences when new or expanded industrial land uses or other stationary sources of pollution are proposed, such as gas stations or auto body shops.

AQ-2.5 Work with developers and/or builders of the any sensitive land uses, such as hospitals, to determine compliance with California Air Resources Board (CARB) standards and to ensure any future plans or expansions are in compliance, and encourage retrofits to the facility such as plantings or air filters to improve indoor air quality, if necessary.

Goal AQ-3 Reduced emissions during construction activities.

Policies

AQ-3.1 Ensure that construction activities follow current South Coast Air Quality Management District (SCAQMD) rules, regulations, and thresholds.

AQ-3.2 Ensure all applicable best management practices are used in accordance with the South Coast Air Quality Management District (SCAQMD) to reduce emitting criteria pollutants during construction.

AQ-3.3 Require all construction equipment for public and private projects comply with California Air Resources Board's (CARB) vehicle standards. For projects that may exceed daily construction emissions established by the South Coast Air Quality Management District (SCAQMD), Best Available Control Measures will be incorporated to reduce construction emissions to below daily emission standards established by the SCAQMD.

AQ-3.4 Require project proponents to prepare and implement a Construction Management Plan, which will include Best Available Control Measures among others. Appropriate control measures will be determined on a project by project basis, and should be specific to the pollutant for which the daily threshold is exceeded. Such control measures may include but not be limited to:

- Minimizing simultaneous operation of multiple construction equipment units.
- Implementation of South Coast Air Quality Management District (SCAQMD) Rule 403, Fugitive Dust Control Measures.
- Watering the construction area to minimize fugitive dust.
- Require that off-road diesel powered vehicles used for construction shall be new low emission vehicles, or use retrofit emission control devices, such as diesel oxidation catalysts and diesel particulate filters verified by California Air Resources Board (CARB).
- Minimizing idling time by construction vehicles.

Goal AQ-4 Mobile source emissions are reduced by providing a balance of jobs and housing that serve the needs of the community.

Policies

AQ-4.1 Cooperate with local, regional, State, and Federal agencies to reduce vehicle miles traveled (VMT) and consequent emissions through job creation.

AQ-4.2 Improve jobs/housing balance by encouraging the development, expansion, and retention of business.

AQ-4.3 Improve access of businesses to local institutions that provide education and job training to prepare local residents to fill the jobs local industries create.

AQ-4.4 Encourage a mix of housing types that are affordable to all segments of the population and are near job opportunities to further reduce vehicle trips.

Goal AQ-5 **Air quality is improved through an efficient circulation system, reduced traffic congestion, and reduced vehicle miles traveled.**

Policies

AQ-5.1 Encourage employers to implement transportation demand management (TDM) measures, such as the following programs to reduce trips and vehicle miles traveled:

- Transit subsidies
- Bicycle facilities
- Alternative work schedules
- Ridesharing
- Telecommuting and work-at-home programs
- Employee education
- Preferential parking for carpools/vanpools

AQ-5.2 Re-designate truck routes away from sensitive land uses including schools, hospitals, elder and childcare facilities, or residences, where feasible.

AQ-5.3 Promote use of fuel-efficient and low-emissions vehicles, including Neighborhood Electric Vehicles.

AQ-5.4 Encourage the use of lowest emission technology buses in public transit fleets.

AQ-5.5 Provide a preference to contractors using reduced emission equipment for City construction projects as well as for City contracts for services (e.g., garbage collection).

AQ-5.6 Manage the municipal vehicle fleet to achieve the highest possible number of fuel-efficient and low emissions vehicles commercially available.

AQ-5.7 Reduce industrial truck idling by enforcing California's five (5) minute maximum law, requiring warehouse and distribution facilities to provide adequate on site truck parking, and requiring refrigerated warehouses to provide generators for refrigerated trucks.

Goal AQ-6 **Stationary source pollution (point source and area source) are minimized through existing and future regulations and new technology.**

Policies

AQ-6.1 The City shall continue to minimize stationary source pollution through the following:

- Ensure that industrial and commercial land uses are meeting existing South Coast Air Quality Management District (SCAQMD) air quality thresholds by adhering to established rules and regulations.
- Encourage the use of new technology to neutralize harmful criteria pollutants from stationary sources.
- Reduce exposure of the City's sensitive receptors to poor air quality nodes through smart land use decisions.

AQ-6.2 Encourage and support the use of innovative ideas and technology to improve air quality.

AQ-6.3 Encourage non-polluting industry and clean green technology companies to locate to the City.

AQ-6.4 Work with the industrial business community to improve outdoor air quality through improved operations and practices.

AQ-6.5 New multi-family residential buildings and other sensitive land uses in areas with high levels of localized air pollution should be designed to achieve good indoor air quality through landscaping, ventilation systems, or other measures.

AQ-6.6 Encourage green building techniques that improve indoor air quality, energy efficiency and conservation in buildings, and utilization of renewable energy sources.

AQ-6.7 During the design review process, encourage the use of measures to reduce indoor air quality impacts (i.e., air filtration systems, kitchen range top exhaust fans, and low-VOC paint and carpet) for new developments near busy roadways with significant volumes of heavy truck traffic.

Goal AQ-7 Particulate matter and fugitive dust emissions are reduced throughout the City.

Policies

AQ-7.1 Adopt incentives, regulations, or procedures to reduce particulate matter.

AQ-7.2 Collaborate with transportation agencies, utilities, and developers to minimize fugitive dust and emissions from construction and maintenance activities.

AQ-7.3 Cooperate with local, regional, State, and Federal jurisdictions and/or agencies to better control fugitive dust from stationary, mobile, and area sources.

AQ-7.4 Consider the suspension of all grading operations, not including dust control actions, at construction projects when the source represents a public nuisance or potential safety hazard due to reduced visibility on streets surrounding the property.

NOISE ELEMENT

Goal N-1 **Noise sensitive land uses are properly and effectively protected from excessive noise generators.**

Policies

N-1.1 Comply with the Land Use Compatibility for Community Noise Environments.

N-1.2 Protect schools, hospitals, libraries, churches, convalescent homes, and other noise sensitive uses from excessive noise levels by incorporating site planning and project design techniques to minimize noise impacts. The use of noise barriers shall be considered after all practical design-related noise measures have been integrated into the project. In cases where sound walls are necessary, they should help create an attractive setting with features such as setbacks, changes in alignment, detail and texture, murals, pedestrian access (if appropriate), and landscaping.

N-1.3 Discourage new residential development where the ambient noise level exceeds the noise level standards set forth in the Noise and Land Use Compatibility Guidelines and the City Noise Ordinance.

N-1.4 Coordinate with the County of Riverside and adjacent jurisdictions to minimize noise conflicts between land uses along the City's boundaries.

Goal N-2 **A comprehensive and effective land use planning and development review process that ensures noise impacts are adequately addressed.**

Policies

N-2.1 Review and update the Noise Ordinance to ensure that noise exposure information and specific policies and regulations are current.

N-2.2 Integrate noise considerations into land use planning decisions to prevent new noise/land use conflicts.

N-2.3 Consider the compatibility of proposed land uses with the noise environment when preparing, revising, or reviewing development proposals.

N-2.4 Encourage proper site planning and architecture to reduce noise impacts.

N-2.5 Permit only those new development or redevelopment projects that have incorporated mitigation measures, so that standards contained in the Noise Element and Noise Ordinance are met.

N-2.6 Incorporate noise reduction features for items such as, but not limited to, parking and loading areas, ingress/egress point, HVAC units, and refuse collection areas, during site planning to mitigate anticipated noise impacts on affected noise sensitive land uses.

N-2.7 Require that new mixed-use developments be designed to limit potential noise from loading areas, refuse collection, and other activities typically associated with commercial activity through strategic placement of these sources to minimize noise levels on-site.

N-2.8 Encourage commercial uses in mixed-use developments that are not noise intensive.

N-2.9 Orient mixed-use residential units, where possible, away from major noise sources.

N-2.10 Locate balconies and operable windows of residential units in mixed-use projects away from the primary street and other major noise sources, where possible, or provide appropriate mitigation.

Goal N-3 Noise from mobile noise sources is minimized.

Policies

N-3.1 Consider noise mitigation measures in the design of all future streets and highways and when improvements occur along existing freeway and highway segments.

N-3.2 Work with CalTrans to achieve maximum noise abatement in the design of new highway projects or with improvements to interchanges along the I-15 and I-215 Freeways, and with widening of SR 79.

N-3.3 Encourage the construction of noise barriers and maintenance of existing noise barriers for sensitive receptors located along the I-15 and I-215 Freeways.

N-3.4 Enforce the use of truck routes to limit unnecessary truck traffic in residential and commercial areas. Consider requiring traffic plans for construction projects and new commercial and industrial uses.

N-3.5 Consider the use of rubberized asphalt for new roadways or roadway rehabilitation projects.

N-3.6 Coordinate with appropriate agencies in the siting, design, and construction of rail stations and track alignments to ensure that adjacent land uses are considered and noise attenuation measures are addressed.

Goal N-4 Reduced noise levels from construction activities.

Policies

N-4.1 Regulate construction activities to ensure construction noise complies with the City's Noise Ordinance.

N-4.2 Limit the hours of construction activity in residential areas to reduce intrusive noise in early morning and evening hours and on Sundays and holidays.

N-4.3 Employ construction noise reduction methods to the maximum extent feasible. These measures may include, but not limited to, shutting off idling equipment, installing temporary acoustic barriers around stationary construction noise sources, maximizing the distance between construction equipment staging areas and occupied sensitive receptor areas, and use of electric air compressors and similar power tools, rather than diesel equipment.

N-4.4 Encourage municipal vehicles and noise-generating mechanical equipment purchased or used by the City to comply with noise standards specified in the City's Municipal Code, or other applicable codes.

N-4.5 Allow exceedance of noise standards on a case-by-case basis for special circumstances including emergency situations, special events, and expedited development projects.

N-4.6 Ensure acceptable noise levels are maintained near schools, hospitals, convalescent homes, churches, and other noise-sensitive areas.

SAFETY ELEMENT

Citywide Safety

SAF-1 People and properties are provided with protection from natural and man-made hazards.

Policies

SAF-1.1 Encourage that areas be dedicated as open space when necessary and appropriate to protect property, public health, and safety from hazards such as earthquake fault zones or flood plains.

SAF-1.2 Coordinate public safety responses and planning for hazards with agencies at the County, regional, state, and federal levels.

SAF-1.3 Collect and maintain current information on local hazards, and make it available for public use.

SAF-1.4 Review public safety infrastructure and staff resources as new development is planned or proposed in Murrieta and the Sphere of Influence.

SAF-1.5 Promote coordination among City departments to provide for safety in new development and/or annexation areas.

SAF-1.6 Investigate and pursue additional funding mechanisms available to fund City safety services, facilities, and equipment.

SAF-1.7 Prioritize community education as an essential part of creating a safe community.

Geologic and Seismic Hazards

Goal SAF-2 Damage from geologic and seismic hazards is minimized by identifying and addressing these hazards during the planning and engineering of built improvements.

Policies

SAF-2.1 Prior to site development, projects located in areas where liquefaction, subsidence, landslide and fissuring are considered hazards shall be required to prepare geologic reports addressing site conditions, potential risk, and mitigation, to the satisfaction of the City Engineer.

SAF-2.2 Require that all new development comply with the Alquist-Priolo Earthquake Fault Zoning Act.

SAF-2.3 Seek to maintain emergency access in the event of an earthquake by engineering roadways to reduce damage to them.

Flood Hazards

Goal SAF-3 Damage from flood and inundation hazards is minimized by improving flood control systems and providing adequate safety protections in areas of the City subject to inundation.

Policies

SAF-3.1 Cooperate with the Riverside County Flood Control and Water Conservation District to evaluate the effectiveness of existing flood control systems and improve these systems as necessary to meet capacity demands.

SAF-3.2 Actively participate in and strongly promote timely completion of regional drainage plans and improvement projects which affect the City.

SAF-3.3 Identify natural drainage courses and designate drainage easements to allow for their preservation, or for the construction of drainage facilities if needed to protect the health, safety, and welfare of the community.

SAF-3.4 Require new construction within the 100 year floodplain to meet National Flood Insurance Program standards.

SAF-3.5 Develop and maintain floodplain inundation evacuation plans in cooperation with the Riverside County Flood Control and Water Conservation District and the Murrieta Fire Department.

SAF-3.6 Maintain an active swift water rescue response in the Murrieta Fire Department.

Dam Inundation

Goal SAF-4 Land use regulations and emergency response plans reduce potential damage resulting from dam failure.

Policies

SAF-4.1 Maintain and update mapping of dam inundation areas within the City as new studies and projects are completed.

SAF-4.2 Develop dam failure evacuation plans in cooperation with the Riverside County Flood Control and Water Conservation District and the Murrieta Fire Department.

SAF-4.3 Discourage critical and essential uses as well as high-occupant-load building uses within designated dam inundation areas.

Fire Safety

Goal SAF-5 Damage from fire hazards is minimized through preventive measures, education, and fire protection services.

Policies

SAF-5.1 Continue efforts to reduce fire hazards associated with older buildings, multi-family housing, and fire-prone industrial facilities throughout the City.

SAF-5.2 Provide public safety education programs through the Fire Department to reduce accidents, injuries and fires, as well as to train members of the public to respond to emergencies.

SAF-5.3 Continue to coordinate fire protection services with Riverside County, CAL FIRE, and all other agencies and districts with fire protection powers.

SAF-5.4 Ensure that outlying areas in the City can be served by fire communication systems as new development occurs.

SAF-5.5 Require that all dedicated open space or undeveloped areas meet specifications for fire safety.

Fire Response

Goal SAF-6 The Murrieta Fire Department provides a timely response to fire and other emergencies.

Policies

SAF-6.1 Respond to 90 percent of medical and fire incident calls within 6½ minutes from dispatch.

SAF-6.2 Ensure that each Paramedic Assessment Engine Company provides the capacity to treat moderate or greater injuries, transport patients to hospitals, advance a hose line for fire control, and to effect a rescue of trapped occupants.

SAF-6.3 Provide adequate levels of fire suppression personnel for all areas.

SAF-6.4 Ensure sufficient personnel and equipment to provide fire suppression for high rise buildings.

SAF-6.5 Locate, staff, and equip Fire Department units to provide service to all areas within the City within a maximum of 12 minutes total response time for 90 percent of all mass casualty incidents or major structure fires.

SAF-6.6 Evaluate the feasibility and benefits of incorporating Emergency Medical Dispatch into the dispatching system to provide emergency medical assistance to callers.

SAF-6.7 Strategically cross-train Fire Department personnel as Emergency Medical Technician Defibrillators and Paramedics as well as in Urban Search and Rescue, swift water rescue, and hazardous materials decontamination.

SAF-6.8 Maintain and implement a Fire Department Strategic Plan to address staffing and facility needs, service goals, deployment strategies, and other department goals.

SAF-6.9 Strive to achieve an Insurance Services Office (ISO) Public Protection Classification of 3 in areas with fire hydrants and 9 in areas that are not connected to an existing water district supply system.

Goal SAF-7 Reduced incidence of damage to life and property from wildland fires.

Policies

SAF-7.1 Continue to require development in high fire hazard areas to use fire-resistant building materials and landscaping, and to meet fire chief specifications for fuel modification, access, and water facilities.

SAF-7.2 Evaluate all new development to be located in or adjacent to wildland areas to assess its vulnerability to fire and its potential as a source of fire.

SAF-7.3 Encourage the use of development features such as roads and irrigated/landscaped open space to buffer homes from wildland fire.

SAF-7.4 Promote community education about preventing wildfire ignition, using fire-resistant building features, and creating defensible space around homes.

SAF-7.5 Continue to implement a weed abatement program to reduce fire hazards on private properties.

Hazardous Materials and Waste

Goal SAF-8 A community that is protected from the harmful effects of hazardous materials, hazardous waste, and environmental contamination.

Policies

SAF-8.1 Require geologic investigations for sites of proposed uses that manufacture, handle, or store hazardous or explosive materials.

SAF-8.2 Ensure that land uses involved in the production, storage, transportation, handling, or disposal of hazardous materials are located and operated to reduce risk to other land uses.

SAF-8.3 Designate appropriate routes for transportation of hazardous materials that are used or produced by facilities in the City.

SAF-8.4 Require that new pipelines and other channels carrying hazardous materials avoid residential areas and other sensitive land uses to the greatest extent possible.

SAF-8.5 Raise public awareness of appropriate disposal for household hazardous waste, and publicize collection events and locations.

SAF-8.6 Promote the use of integrated pest management techniques to keep City properties free of herbicides and pesticides.

SAF-8.7 Encourage and educate residents and businesses to implement integrated pest management principles and reduce or discontinue the use of pesticides and herbicides on their property.

SAF-8.8 Comply with the Riverside County Hazardous Waste Management Plan.

SAF-8.9 Support Caltrans and California Highway Patrol efforts to ensure safe transportation of hazardous materials on freeways.

SAF-8.10 Ensure that all personnel of the Murrieta Fire Department are trained and ready to operate at the level of Hazardous Materials First Responder.

SAF-8.11 Coordinate with other agencies to improve the containment and clean up of hazardous material spills.

SAF-8.12 Ensure that Fire Department personnel receiving training to achieve the Hazardous Materials Technician level.

SAF-8.13 When approving new development, ensure that the site:

- Is sufficiently surveyed for contamination and remediation, particularly for sensitive uses near existing or former toxic or industrial sites.
- Is adequately remediated to meet all applicable laws and regulations, if necessary.

- Is suitable for human habitation.
- Is protected from known hazardous and toxic materials.
- Does not pose higher than average health risks from exposure to hazardous materials.

SAF-8.14 Work with the appropriate Federal, State, regional, and local agencies to identify previously unidentified contaminated sites in the City, particularly on sites with a high likelihood of past contamination, such as old gas stations or industrial sites, and work with the property owners and applicable agencies to remediate them.

Police Protection

Goal SAF-9 High-quality and timely police services are provided to all residents and businesses in Murrieta.

Policies

SAF-9.1 Seek to reach and maintain police officer and civilian support employee staffing levels to effectively and efficiently address the public safety needs, measured through established response times (as shown in General Plan *Table 12-3*, *Target Response Times*), crime statistics, crime clearance rates, and community quality of life issues.

SAF-9.2 Endeavor to respond within six minutes for all Priority 1 calls, 15 minutes for Priority 2 calls, and 35 minutes for Priority 3 calls.

SAF-9.3 Consider options for locating field stations throughout the City to improve response times for Priority 1 calls and foster relationships with local residents.

SAF-9.4 Maintain and implement a Police Department Strategic Plan to address staffing and facility needs, service goals, deployment strategies, and other department goals.

SAF-9.5 Explore options for funding needed facilities, staff, and equipment.

SAF-9.6 Ensure that new development can be served by police communication systems and provide for the construction of radio towers (repeater sites) in outlying areas.

SAF-9.7 Evaluate the feasibility of adding cellular services for police communication to accommodate Mobile Data Browsers (MBD) technology.

SAF-9.8 Maintain a S.W.A.T. team that can respond to barricades and other tactical response needs.

Goal SAF-10 The Police Department coordinates with neighborhoods and community members to enhance safety and continually improve services.

Policies

SAF-10.1 Collaborate with school districts, businesses, nonprofit organizations, and community members, including neighborhood watch groups, to maintain safety throughout the City.

SAF-10.2 Provide educational programs that deter unsafe and criminal behavior among youth, including the Youth Accountability Team, Youth Court, and School Resource Officers.

SAF-10.3 Maintain positive relationships with the community through communication and responsiveness to concerns.

SAF-10.4 Promote participation in the Crime Free Multi-Housing Program among existing multi-family communities.

Goal SAF-11 Design of the physical environment promotes community safety and reduces opportunities for criminal activity.

Policies

SAF-11.1 Involve the Police Department in the development review process to address safety concerns, access issues, and potential traffic conflicts, and identify opportunities to apply CPTED principles.

SAF-11.2 Continue to require new apartment communities to participate in the Crime Free Multi-Housing Program.

SAF-11.3 Coordinate efforts between the Police Department and Planning Department to develop guidelines for implementation of CPTED principles.

SAF-11.4 Continue to ensure that each development or neighborhood in the City has adequate emergency ingress and egress.

Emergency Preparedness

Goal SAF-12 Murrieta is prepared to coordinate effective response and recovery efforts for major emergencies.

Policies

SAF-12.1 Maintain an effective, coordinated and up-to-date Emergency Operations Plan in partnership with the Riverside County and other agencies.

SAF-12.2 Support a safe, secure, and technologically advanced Emergency Operations Center (EOC) to coordinate the City's response to disasters, and maintain training of City personnel in operation of the EOC.

SAF-12.3 Review and test the City's Emergency Operations Plan periodically to note any deficiencies or practices requiring modification.

SAF-12.4 Provide training to maintain City staff proficiency in implementation of the Emergency Operations Plan, for all staffing levels.

SAF-12.5 Provide public outreach, presentations, and information that prepares residents and businesses to safeguard life and property during and immediately after emergencies.

SAF-12.6 Participate in regularly scheduled disaster exercises to better prepare Police, Fire and other City employees with disaster responsibilities.

SAF-12.7 Continue to participate in maintaining the Riverside County Multi-Jurisdictional Local Hazard Mitigation Plan, and incorporate it into City planning efforts as appropriate.

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Section 4.0:
Basis of Cumulative Analysis

4.0 BASIS OF CUMULATIVE ANALYSIS

4.1 INTRODUCTION

CEQA Guidelines Section 15355 defines cumulative impacts as "*two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts . . .*" The following elements are necessary in an adequate discussion of cumulative impacts, as noted in *CEQA Guidelines* Sections 15130(b) through 15130(e).

(b) The discussion of cumulative impacts shall reflect the severity of the impacts and their likelihood of occurrence, but the discussion need not provide as great detail as is provided for the effects attributable to the project alone. The discussion should be guided by standards of practicality and reasonableness, and should focus on the cumulative impact to which the identified other project contribute rather than the attributes of other projects which do not contribute to the cumulative impact. The following elements are necessary to an adequate discussion of significant cumulative impacts:

(1) Either:

(A) A list of relevant past, present and probable future projects, producing related or cumulative impacts, including, if necessary, those projects outside the control of the agency, or

(B) A summary of projections contained in an adopted General Plan or related planning document, or in a prior environmental document which has been adopted or certified, which described or evaluated regional or area-wide conditions contributing to the cumulative impact.

(2) When utilizing a list, as suggested in paragraph (1) of subdivision (b), factors to consider when determining whether to include a related project should include the nature of each environmental resources being examined, the location of the project and its type. Location may be important, for example, when water quality impacts are at issue since projects outside the watershed would probably not contribute to a cumulative effect. Project type may be important, for example, when the impact is specialized, such as a particular air pollutant or mode of traffic.

(3) Lead agencies should define the geographic scope of the area affected by the cumulative effect and provide a reasonable explanation for the geographic limitation used.

(4) A summary of the expected environmental effects to be produced by those projects with specific reference to additional information stating where that information is available; and

(5) A specific analysis of the cumulative impacts of the relevant projects. An EIR shall examine reasonable, feasible options for mitigating or avoiding the project's contribution to any significant cumulative effects.

(c) With some projects, the only feasible mitigation for cumulative impacts may involve the adoption of ordinances or regulations rather than the imposition of conditions on a project-by-project basis.

(d) Previously approved land use documents such as general plans, specific plans, and local coastal plans may be used in cumulative impact analysis. A pertinent discussion of cumulative impacts contained in one or more previously certified EIRs may be incorporated by reference pursuant to the provisions for tiering and program EIRs. No further cumulative impact analysis is required when a project is consistent with a general, specific, master or comparable programmatic plan where the lead agency determines that the regional or areawide cumulative impacts of the proposed project have already been adequately addressed, as defined in Section 15152(f), in a certified EIR for that plan.

(e) If a cumulative impact was adequately addressed in a prior EIR for a community plan, zoning action, or general plan, and the project is consistent with that plan or action, then an EIR for such a project should not further analyze that cumulative impact, as provided by Section 15183(j).

4.2 CUMULATIVE ANALYSIS IN THIS EIR

Cumulative impacts may be discussed in terms of proposed General Plan 2035 (proposed project) impacts, in combination with impacts anticipated for future development (including approved and planned development within the project area and surrounding affected area), and impacts associated with growth within the region. The geographic area for each impact varies, depending on the nature of the impact, whether it is regional, such as air quality, or local, such as noise.

Quantification can be difficult for cumulative impacts, as it requires speculative estimates of impacts including, but not limited to the following: the geographic diversity of impacts (impacts of future development may affect different areas); variations in time of impacts; and data for buildout projections may change following subsequent approvals. However, every attempt has

been made herein to make sound qualitative judgments of the combined effects of, and relationship between, land uses and potential impacts.

This EIR assesses the overall environmental effects of the proposed General Plan 2035 at a program level of detail. This EIR evaluates the overall (cumulative) effects of development in accordance with the land use designations, land use assumptions, and all goals, policies and implementing measures contained in the proposed General Plan 2035. Therefore, the environmental analysis in Section 5.1 through Section 5.22 of this EIR considers project impacts in combination with regional impacts, where applicable, that could be expected as other cities within Riverside County.

In compliance with *CEQA Guidelines* Section 15130(1)(b), this section of the EIR describes the environmental effects of the proposed General Plan 2035 in combination with the effects of regional buildout, as forecasted in the Southern California Association of Governments (SCAG) Regional Comprehensive Plan and Guide (RCPG).

As of 2009, based on County of Riverside Tax Assessor's and WRCOG Subregion Socio-Economic data, the City of Murrieta population is estimated to be 101,253 persons, making it the fifth most populous City of Riverside County's 26 cities. These residents receive public services from the public agencies discussed in Section 5.15 through Section 5.22. The City is anticipated to have a maximum total of 44,484 dwelling units by the year 2035, which would result in a maximum population of 133,452 persons[1] in the year 2035. Therefore, the addition of 10,734 dwelling units over the next 25-year period would result in an additional 32,199 residents in the City under implementation of the proposed General Plan 2035 conditions.

SCAG provides population, housing, and employment projections to 2035. As of January 2010, the County's population was an estimated 2,139,535 persons. According to SCAG, with a forecast population of approximately 3,596,680 persons by 2035, the County's population is projected to grow approximately 68 percent between 2010 and 2035. SCAG forecasts the City's population will increase by approximately 26.4 percent between 2009 and 2035, for a total population of approximately 127,962 persons by 2035. Comparatively, the City is forecast to grow at a much lower rate between 2009 and 2035 than the County, which is forecast to more than double in size. By 2035, SCAG forecasts the City will constitute approximately 3.6 percent of the County's population. The County's housing inventory as of January 2010 totaled 784,357 DU, with a vacancy rate of 13.01 percent and an average household size of 3.084 persons. The County's housing inventory is projected to total 1,360,038 DU by 2035, representing an increase of approximately 73.4 percent between 2010 and 2035. As of October 2010, the County's labor force totaled 910,900 persons, with an unemployment rate of 14.7 percent. Between 2000 and 2010, the unemployment rate almost doubled. According to SCAG projections, Riverside County's labor market is projected to increase from 784,998 jobs in 2010 to 1,413,552 jobs by 2035. The labor market's growth rate between 2010 and 2035 would be approximately 80 percent (628,524 jobs).

[1] This population projection is based on 44,484 DU, 100 percent occupancy, and 3.0 persons per household.

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Section 5.0:
Environmental Analysis

5.0 ENVIRONMENTAL ANALYSIS

The next subsections of the EIR contain a detailed environmental analysis of the existing conditions, project impacts (including direct and indirect, short-term and long-term, and cumulative), recommended mitigation measures, and significant unavoidable impacts. This EIR analyzes those environmental issue areas as stated in the Notice of Preparation (Appendix A, Notice of Preparation) where potentially significant impacts have the potential to occur.

The EIR will examine the following environmental factors:

5.1 Land Use and Planning
5.2 Population, Employment, and Housing
5.3 Aesthetics
5.4 Traffic and Circulation
5.5 Air Quality
5.6 Greenhouse Gas Emissions
5.7 Noise
5.8 Geology and Seismic Hazards
5.9 Cultural Resources
5.10 Biological Resources
5.11 Agricultural Resources
5.12 Mineral Resources
5.13 Hydrology, Drainage, and Water Quality
5.14 Hazards and Hazardous Materials
5.15 Water Supply
5.16 Wastewater
5.17 Fire Protection
5.18 Police Protection
5.19 School Facilities
5.20 Parks and Recreation Facilities
5.21 Solid Waste
5.17 Electricity and Natural Gas
5.18 Cultural Resources
5.19 Biological Resources
5.20 Agriculture Resources
5.21 Mineral Resources

Each environmental issue is addressed in a separate section of the EIR, and is organized into seven sections, as follows:

"Regulatory Setting" describes the federal, state, regional, or local regulations and plans that are applicable.

"Environmental Setting" describes the physical conditions that exist at this time and that may influence or affect the issue under investigation.

"Significance Threshold Criteria" provides the thresholds that are the basis of conclusions of significance, which are primarily the criteria in the *CEQA Guidelines* Appendix G, Environmental Checklist.

Major sources used in crafting criteria include the *CEQA Guidelines*; local, state, federal, or other standards applicable to an impact category; and officially established significance thresholds. *". . . An ironclad definition of significant effect is not possible because the significance of any activity may vary with the setting."* (*CEQA Guidelines* Section 15064[b]). Principally, *". . . a substantial, or potentially substantial adverse change in any of the physical conditions within an area affected by the project, including land, air, water, flora, fauna, ambient noise, and objects of historic and aesthetic significance"* constitutes a significant impact (*CEQA Guidelines* Section 15382).

"Impacts and Mitigation Measures" evaluates the project's environmental impacts in consideration of all phases, including planning, acquisition, development, and operation. This subsection also discusses the potential changes to the existing physical environmental conditions, which may occur if the proposed project is implemented. Evidence, based on factual and scientific data, is presented to show the cause and affect relationship between the proposed project and the potential changes in the environment. All of the potential direct and reasonably foreseeable indirect effects are considered. The exact magnitude, duration, extent, frequency, range, or other parameters are ascertained, to the extent possible, to determine their significance.

The project's environmental effects are categorized as either "less than significant" or "potentially significant impact". The effects found not to be significant category provides a brief discussion of the reasons that various possible significant effects of the Project were found not to be significant. The potentially significant category identifies and focuses on the significant environmental effects of the proposed project. Direct and indirect significant effects of the project on the environment are clearly identified and described, giving due consideration to both the short-term and long-term effects.

"Mitigation Measures" are project-specific measures that would be required of the project to avoid a significant adverse impact; to minimize a significant adverse impact; to rectify a significant adverse impact by restoration; to reduce or eliminate a significant adverse impact over time by preservation and maintenance operations; or to compensate for the impact by replacing or providing substitute resources or environment.

The "Level of Significance" presents the significance determination. This statement identifies which impacts would remain after the application of mitigation measures and whether the remaining impacts are or are not considered significant. When impacts, even with the inclusion of mitigation measures, cannot be mitigated to a level considered less than significant, they are identified as "unavoidable significant impacts."

"Cumulative Impacts and Mitigation Measures" describes potential environmental changes to the existing physical conditions that may occur as a result of the proposed project together with all other reasonably foreseeable, planned and approved future projects producing related or cumulative impacts, as set forth in Section 4.0. A cumulative impact analysis is provided only for those thresholds that result in a less than significant, potentially significant, or significant unavoidable impact. A cumulative impact analysis is not provided for Effects Found Not to be Significant, which result in no project-related impacts.

"Significant Unavoidable Impacts" describes impacts that would be significant and cannot be feasibly mitigated to less than significant, so would therefore be unavoidable. To approve a project with unavoidable significant impacts, the lead agency must adopt a Statement of Overriding Considerations. In adopting such a statement, the lead agency is required to balance the benefits of a project against its unavoidable environmental impacts in determining whether to approve the project. If the benefits of a project are found to outweigh the unavoidable adverse environmental effects, the adverse effects may be considered "acceptable" (*CEQA Guidelines* Section 15093[a]).

"Sources Cited" lists all documents, reference materials, or other information utilized, such as websites, in the section.

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Section 5.1
Land Use

5.1 LAND USE

5.1.1 REGULATORY SETTING

REGIONAL/MULTI-JURISDICTIONAL PLANS AND POLICIES

Southern California Association of Governments Regional Comprehensive Plan

Regional planning agencies such as the Southern California Association of Governments (SCAG) recognize that planning issues extend beyond the boundaries of individual cities. Efforts to address regional planning issues such as affordable housing, transportation, and air pollution have resulted in the adoption of regional plans that affect the City of Murrieta.

SCAG has evolved as the largest council of governments in the United States, functioning as the Metropolitan Planning Organization for six counties (Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial) and including 184 cities. The region encompasses a population exceeding 15 million persons in an area of more than 38,000 square miles.

SCAG has 14 subregional organizations; Murrieta is a member agency of the Western Riverside Council of Governments (WRCOG). The purpose of WRCOG is to unify Western Riverside County agencies to coordinate on the following activities: interagency coordination and planning, regional legislative platform, subregional representation to regional agencies including SCAG, and inter-regional partnership development. In addition, WRCOG addresses regional transportation, community growth and development, and environmental issues. With respect to transportation, WRCOG developed and administers the Western Riverside County's Transportation Uniform Mitigation Fee or TUMF, which ensures that new development pays its fair share for the increased transportation demand it creates. WRCOG is also engaged in transportation issues of regional importance in the areas of goods movement, rail crossings, and growth.

As the designated Metropolitan Planning Organization, the Federal government mandates SCAG to research and draw up plans for transportation, growth management, hazardous waste management, and air quality. These mandates led SCAG to prepare comprehensive regional plans to address these concerns.

SCAG is responsible for the maintenance of a continuous, comprehensive, and coordinated planning process resulting in a Regional Transportation Plan (RTP) and a Regional Transportation Improvement Program (RTIP). SCAG is responsible for the development of

demographic projections, and is also responsible for development of the integrated land use, housing, employment, transportation programs, measures, and strategies for portions of the South Coast Air Quality Management Plan (AQMP).

SCAG 2008 Regional Comprehensive Plan (RCP) addresses regional issues such as housing, traffic/transportation, water, and air quality. The RCP serves as an advisory document to local agencies in the Southern California region for their information and voluntary use for preparing local plans and handling local issues of regional significance. The RCP presents a vision of how Southern California can balance resource conservation, economic vitality, and quality of life. The RCP identifies voluntary best practices to approach growth and infrastructure challenges in an integrated and comprehensive way. It also includes goals and outcomes to measure progress toward a more sustainable region.

SCAG's Intergovernmental Review (IGR) Section is responsible for performing a consistency review of local plans, projects, and programs with regional plans. There are two sets of minimum criteria for classification of projects as regionally significant: Criteria 1 through 12 are recommended for use by the *CEQA Guidelines* Section 15206; and Criteria 13 through 22 reflect SCAG's mandates and regionally significant projects that directly relate to policies and strategies contained in the 2008 RCP. Based on SCAG's criteria, the proposed General Plan 2035 is considered regionally significant.

2008 Regional Transportation Plan (2008 RTP)

State law requires that Regional Transportation Plans (RTP) be developed to address long-range transportation issues, and to help local and state decision makers shape the future of California's transportation infrastructure. The RTP provides a framework for transportation improvement projects that will allow the region to meet future mobility goals and air quality requirements in a financially-constrained environment.

The Regional Transportation Plan (RTP) is developed, maintained, and updated by SCAG, and encompasses the six counties in Southern California including Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial. On May 8, 2008, the 2008 RTP: Making the Connections was adopted by the Regional Council of the Southern California Association of Governments.

The RTP project list is divided into three sections. At the center is the Regional Transportation Improvement Program (RTIP), which forms the foundation of the RTP project investment strategy and represents the first six years of already-committed funding. The RTP also contains an additional financially constrained set of transportation projects above and beyond the RTIP. Finally, the Strategic Plan (contained in Chapter VII) represents an unconstrained, illustrative list of potential future projects that the region would pursue given additional funding.

SCAG Compass Growth Visioning Program

In an effort to maintain the region's prosperity, continue to expand its economy, house its residents affordably, and protect its environmental setting as a whole, SCAG has brought together the goals and ideas of interdependent subregions, counties, cities, communities, and neighborhoods. This process is called Southern California Compass, and the result is a shared "Growth Vision" for Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura Counties. SCAG began Compass in 2002, spearheaded by the Growth Visioning Subcommittee, which consists of civic leaders from throughout the region. Creating a shared regional vision is an effective way to begin addressing issues such as congestion and housing availability that may threaten the region's livability.

In the short-term, SCAG's growth visioning process has found common ground in a preferred vision for growth and has incorporated it into immediate housing allocation and transportation planning decisions. In the long-term, the Growth Vision is a framework that will help local jurisdictions address growth management cooperatively and will help coordinate regional land use and transportation planning. The result of this growth visioning effort is SCAG's Growth Vision Report (GVR).

The Growth Vision Report presents the comprehensive Growth Vision for the six-county SCAG region as well as the achievements of the Compass process. It details the evolution of the draft vision, from the study of emerging growth trends to the effects of different growth patterns on transportation systems, land consumption, and other factors. The Growth Vision Report concludes with a series of implementation steps – including tools for each guiding principle and overarching implementation strategies – that will guide Southern California toward its envisioned future.

South Coast Air Basin Air Quality Management Plan

The South Coast Air Quality Management District (SCAQMD) and SCAG are designated by the State of California to develop regional air quality plans for the South Coast Air Basin (SCAB) to ensure attainment of national and state ambient air quality standards. Every three years, the SCAQMD prepares an overall plan, or Air Quality Management Plan (AQMP), for the air quality improvement to be submitted for inclusion in the State Implementation Plan (SIP). Each iteration of the plan is an update of the previous plan. The most current SCAQMD AQMP was adopted by the AQMD Governing Board on June 1, 2007.

Strategies for controlling air pollutant emissions in the AQMP are grouped into three "tiers," based on their anticipated timing for implementation. Tier I consists of the implementation of best available current technology and management practices that can be adopted within the next five years. Tier II is based on anticipated advancements in current technology and vigorous regulatory action, and Tier III controls consist of development of new technology. In total, the three tiers include 123 recommended control measures.

In order to achieve the goals and objectives of the AQMP at the local level, all cities and counties must adopt Air Quality elements, ordinances, or plans that fully address air quality and help to implement AQMP measures for achieving compliance with state and federal standards. Local responsibilities for achieving compliance with national and state ambient air quality standards primarily focus on measures that control "indirect sources" such as "facility, building, structure, installation, real property, road, or highway which attracts, or may attract mobile sources of pollution. Such term includes parking lots, parking garages and other facilities subject to any measure for management of parking supply." Refer to Section 5.5, Air Quality.

Riverside County Airport Land Use Compatibility Plan

The French Valley Airport is a County-owned public-use airport located on SR-7, north of the City of Temecula in their Sphere of Influence, and adjacent to the Murrieta's eastern City boundary. The airport is primarily used for single engine fixed-wing general aviation aircraft. Airport activity is anticipated to increase from approximately 98,000 annual operations in 2009 to 185,000 in about 15 years. The airport's existing runway is 6,000 feet in length. Also planned is the construction of a 3,600-foot parallel runway 700 feet to the east, along with an upgraded present nonprecision instrument approach to Runway 18 (from the north).

Per the California State Aeronautics Act (*Public Utility Code* Sections 21670 et. seq.), the Riverside County Airport Land Use Commission (RCALUC) has two primary functions: 1) prepare and adopt an airport land use compatibility plan, and 2) review the plans, regulations, and other actions of local agencies and airport operations with the land use compatibility plan.

On October 14, 2004, the RCALUC adopted the *Riverside County Airport Land Use Compatibility Plan* (October 2004). The *Riverside County Airport Land Use Compatibility Plan* establishes policies applicable to land use compatibility planning in the vicinity of airports throughout Riverside County. Compatibility plans serve as a tool for use by airport land use commissions in fulfilling their duty to review proposed development plans for airports and surrounding land uses. Additionally, compatibility plans set compatibility criteria applicable to local agencies in their preparation or amendment of land use plans and ordinances and to landowners (including special district and other local government entities as well as private parties) in their design of new development. State law requires each local agency having jurisdiction over land uses within an ALUC's planning area to modify its general plan and any affected specific plans to be consistent with the compatibility plan.

As adopted by the RCALUC, the Riverside County Airport Land Use Compatibility Plan Policy Document establishes policies applicable to land use compatibility planning in the vicinity of airports throughout Riverside County, including French Valley Airport. Included in the Policy Document are Compatibility Criteria and Airport Influence Area maps for each individual airport. The Compatibility Plan details the procedural requirements associated with the compatibility review of development proposals. An "Airport Influence Area" is an area in which current or future airport-related noise, overflight, safety, or airspace protection factors may significantly affect land uses or necessitate restrictions on those uses.

The basic function of airport land use compatibility plans is to promote compatibility between airports and the land uses that surround them. Compatibility plans set compatibility criteria applicable to local agencies in their preparation or amendment of land use plans and ordinances and to landowners in their design of new development. The principal compatibility concerns involve impacts related to:

- Exposure to aircraft noise;
- Land use safety with respect both to people on the ground and the occupants of aircraft;
- Protection of airport airspace; and
- General concerns related to aircraft overflights.

The basic criteria for assessing whether a land use plan, ordinance, or development proposal is deemed compatible with a nearby airport are set forth in Table 2A of ALUC's Policy Document, *Basic Compatibility Criteria Matrix*.[1] These criteria are used in conjunction with the compatibility map and policies for each airport. The Compatibility Criteria matrix represents a compilation of compatibility criteria associated with each of the four airport impacts identified above. The Compatibility Criteria are presented according to the following Compatibility Zones, which are set forth for the purposes of assessing land use compatibility within the airport influence area:

- Zone A, *Runway Protection Zone and Within Building Restriction Line*: Noise impact is very high; and risk level is very high.
- Zone B1, *Inner Approach/Departure Zone*: Noise impact is high; risk level is high.
- Zone B2, *Adjacent to Runway Zone*: Noise impact is moderate to high; risk level is low to moderate.
- Zone C, *Extended Approach/Departure Zone*: Noise impact is moderate; risk level is moderate.
- Zone D, *Primary Traffic Patterns and Runway Buffer Area Zone*: Noise impact is moderate; risk level is low.
- Zone E, *Other Airport Environs Zone*: Noise impact is low; risk level is low.
- "*", *Height Review Overlay*: Noise impact is low; risk level is moderate.

The Compatibility Criteria in Table 2A specify the maximum residential densities and non-residential intensities, required open land, prohibited land uses, and other development conditions (i.e., aviation easement dedication, structure locations, minimum Noise Level Reductions (NLR), airspace review, and deed notice requirement). The Compatibility Criteria are discussed in detail in Chapter 2 of the ALUC's Policy Document, *Compatibility Criteria for Land Use Actions*.

[1] http://www.rcaluc.org/filemanager/plan/new//04-%20Vol.%201%20County%20wide%20Policies.pdf, Accessed June 18, 2010.

Portions of the City are located within Zone B1, Zone B2, Zone C, Zone D, Zone E, and the height review overlay zone (refer to *Exhibit 5.1-1*, *French Valley Airport Compatibility Zones*). Uses presently existing or planned within Zones B1, B2, C, D, and E in the City include vacant land, rural and single-family residential, multiple-family residential, commercial, business park, multi-use, civic and institutional, and parks and open space.

The Compatibility Plan identifies the following prohibited uses within each of the zones:

- Zones B1 and B2 prohibit children's schools, day care centers, libraries, hospitals, nursing homes, places of worship, buildings with more than two above ground habitable floors, highly noise-sensitive outdoor non-residential uses, aboveground bulk storage of hazardous materials, critical community infrastructure facilities, and hazards to flight which can include physical (e.g., tall objects), visual, and electronic forms of interference with the safety of aircraft operations..

- Zone C prohibits children's schools, day care centers, libraries, hospitals, nursing homes, buildings with greater than three aboveground habitable floors, highly noise-sensitive outdoor non-residential uses, and hazards to flight.

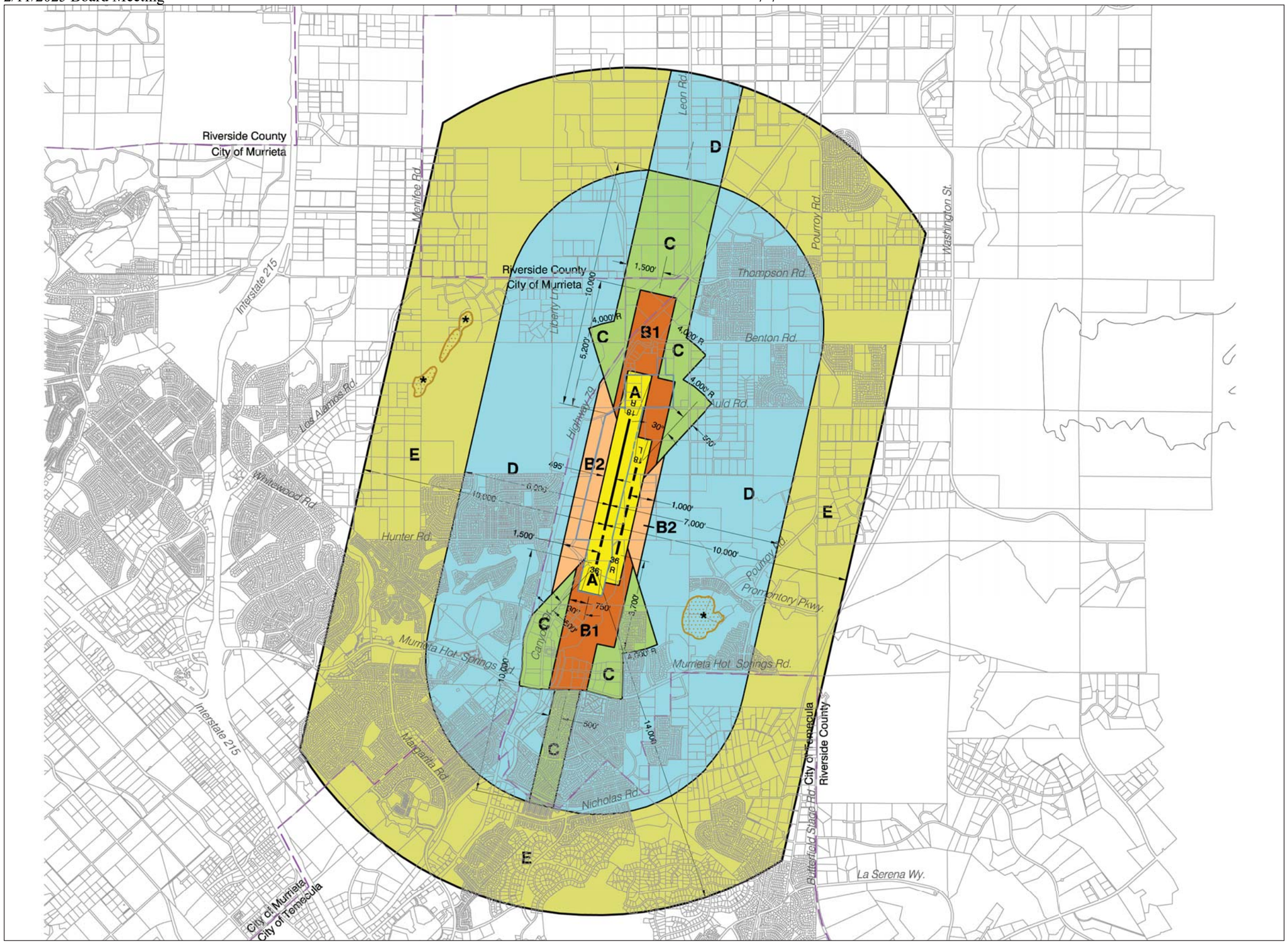
- Zone D prohibits highly noise-sensitive outdoor non-residential uses and hazards to flight.

- Zones E prohibit hazards to flight.

The Compatibility Plan identifies additional compatibility policies for specific zones that pertain to building heights, residential densities, non-residential intensities, and calculations regarding the concentration of people.

The French Valley Airport Land Use Compatibility Plan Initial Study and Mitigated Negative Declaration (MND) (September 2007) assesses the potential residential and non-residential displacement associated with the Compatibility Plan. Using Murrieta's existing General Plan land use designations, associated residential densities (dwelling units per acre (du/ac)) and non-residential intensities (floor area ratio (FAR)), the MND calculates the amount of development that could occur within the areas of the City that are located within each of the Airport Zones.[2] The MND compares the development potential identified by the City's General Plan to the development potential permitted under the Compatibility Plan based upon maximum densities/intensities within each Airport Zone.

[2] Refer to *The French Valley Airport Land Use Compatibility Plan Initial Study and Mitigated Negative Declaration* (September 2007) for a detailed discussion of the methodology used to calculate the potential residential and non-residential displacement.



Murrieta
General Plan Update

LEGEND

Compatibility Zones

- Airport Influence Area Boundary
- Zone A (Runway Protection Zone and Within Building Restriction Line)
- Zone B1 (Inner Approach/Departure Zone)
- Zone B2 (Adjacent to Runway)
- Zone C (Extended Aproach/Departure Zone)
- Zone D (Primary Traffic Patterns and Runway Buffer Area)
- Zone E (Other Airport Environs)
- Height Review Overlay Zone

Boundary Lines

- Airport Property Line
- City Limits

Note

Airport Influence Area boundary measured from a point 200 feet beyond runway ends in accordance with FAA airspace protection criteria (FAR Part 77). All other dimensions measured from runway ends and centerlines.

0 0.5 1
Miles

Source: Table 2A, Basic Compatibility Criteria, Riverside County Airport Land Use Commission, October 2007.

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French Valley Airport Compatibility Zones

Exhibit 5.1-1

Back of 11 x 17 exhibit

Based on the City's existing *General Plan*, the MND identified a buildout potential for non-residential uses in the City of Murrieta portions of the Airport Influence Area of 3,609,788 square feet. However, using the intensities allowed by the Compatibility Plan, the MND identified a buildout potential of 2,696,116 square feet, resulting in a non-residential displacement of 913,672 square feet without mitigation.

Similarly, based on the City's existing *General Plan*, the MND identified a buildout potential for residential uses in the City of Murrieta portions of the Airport Influence Area of 971 dwelling units. However, using the densities allowed by the Compatibility Plan, the MND identified a buildout potential of 84 dwelling units, resulting in a residential displacement of 887 dwelling units without mitigation.

The MND identified potential combinations of mitigation measures (mitigation measures 1, 2, 3, or 4 plus mitigation measures 5 and/or 6) that would reduce the amount of displacement associated with the Compatibility Plan. The ALUC adopted the 2007 French Valley Compatibility Plan including Mitigation Measures 3, 5, and 6 identified in the MND.

- Mitigation Measure 3 provides additional compatibility policies that would allow for non-residential intensities of 40 persons per acre average and 80 persons per single acre with clustering in Zone B1 (rather than 25 and 50, respectively) and nonresidential intensities of 80 persons per acre average and 160 persons per single acre with clustering in Zone C (rather than 75 and 150, respectively), and both zones would allow additional intensities provided that the amount of qualifying open land is increased.

- Mitigation Measure 5 mitigates potential non-residential (primarily commercial) displacement in Airport Zone D resulting from the non-residential intensity criteria, and would allow for an average non-residential intensity of 150 persons per acre and a maximum single-acre intensity of 450 persons within any given acre, prior to application of any bonuses. This would constitute a 50 percent increase in allowable intensity, relative to the adopted criteria.

- Mitigation Measure 6 mitigates potential non-residential (primarily commercial) displacement resulting from the non-residential intensity criteria, and would establish new intensity criteria for retail sales, display, and showroom areas of one person per 115 square feet of gross floor area (without a 50 percent reduction) for such uses in buildings including restaurants or food service facilities and one person per 170 square feet of gross floor area (without a 50 percent reduction) for such uses in buildings without restaurants or food service facilities.

Adoption of Mitigation Measures 3, plus 5 and 6 would result in a total potential non-residential displacement of 405,298 square feet, which is a 508,374 square foot reduction in displacement potential without the implementation of mitigation measures.

Mitigation Measure 3 primarily impacts non-residential criteria; however, Mitigation Measure 3 would allow residential densities in Zone D to be calculated on a "net" rather than "gross" basis. Mitigation Measure 3 would enable certain projects to comply with the Compatibility Plan's density requirements that otherwise may not do so; however, the reduction in displacement that may occur would only be able to be determined at the project-level. Thus, for purposes of calculating the potential, worst-case scenario displacement, the MND determined that Mitigation Measure 3 would not reduce the potential displacement that would result from implementation of the Compatibility Plan without mitigation.

According to the Compatibility Plan, in order for a General Plan to be consistent with the Compatibility Plan no direct conflicts can exist between the two plans. Direct conflicts primarily involve general plan land use designations that do not meet the density or intensity criteria specified in the Compatibility Plan although conflicts with regard to other policies also may exist. However, a general plan cannot be found inconsistent with the Compatibility Plan because of land use designations that reflect existing land uses even if those designations conflict with the ALUC's compatibility criteria. The existing *General Plan* is not consistent with the Compatibility Plan, as the General Plan land use designations do not meet the density or intensity criteria specified in the Compatibility Plan, even with the implementation of mitigation measures identified in the MND.

A local agency general plan or specific plan that includes areas covered by an adopted ALUCP must submit its general plan or specific plan (or any amendments thereto) to the ALUC for a consistency determination. If the general plan or specific plan is considered inconsistent with the ALUCP, the local agency's governing body may "overrule" the ALUC's inconsistency determination after a hearing by a two-thirds vote. In overruling the ALUC's determination, the local agency's governing body must make findings that its general plan or specific plan is consistent with the purposes of the State Aeronautics Act, as stated in *California Public Utilities Code* Section 21670.

As of February 2011, a Master Plan is being prepared for the French Valley Airport. The primary objective of the French Valley Airport Master Plan Study is to develop and maintain a financially feasible long-term development program that will satisfy aviation demand and be compatible with community development, other transportation modes, and the environment. The accomplishment of this objective requires the evaluation of the existing airport and a determination of what actions should be taken to maintain an adequate, safe, and reliable airport facility to meet the air transportation needs of the area. The completed Master Plan will provide an outline of the necessary development and give responsible officials advance notice of future needs to aid in planning, scheduling, and budgeting. Specific objectives of the French Valley Airport Master Plan are:

- To determine the projected aviation demand and identify the facilities necessary to accommodate the demand.

- To determine projected needs of airport users for the next 20 years by which to support airport development alternatives.
- To evaluate the current and future airport design standards.
- To recommend improvements that will enhance the airport's safety and capacity to the maximum extent possible.
- To identify a suitable airport traffic control tower (ATCT) location.
- To establish a development schedule and a program for proposed improvements.
- To prioritize the airport capital improvement program.
- To prepare a new airport layout plan (ALP) in accordance with the Federal Aviation Administration (FAA) and the California Department of Transportation (Caltrans) guidelines.

Western Riverside County Multiple Species Habitat Conservation Plan

The Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) is a comprehensive, multi-jurisdictional Habitat Conservation Plan (HCP) focusing on Conservation of species and their associated Habitats in Western Riverside County. The MSHCP is intended to allow Western Riverside County and its Cities to better control local land-use decisions while addressing the requirements of the State and Federal Endangered Species Acts. The MSHCP plan area encompasses approximately 1.26 million acres (1,966 square miles); it includes all unincorporated Riverside County land west of the crest of the San Jacinto Mountains to the Orange County line, as well as the jurisdictional areas of the Cities of Temecula, Murrieta, Lake Elsinore, Canyon Lake, Norco, Corona, Riverside, Moreno Valley, Banning, Beaumont, Calimesa, Perris, Hemet, and San Jacinto.

In June 2004, the United States Fish and Wildlife Service (USFWS) issued a Section 10(a)(1)(B) permit for the MSHCP. Additionally, the California Department of Fish and Game (CDFG) issued California Natural Community Conservation Plan Approval and Take Authorization for the MSHCP, as per California Fish and Game Code, Section 2800 et seq. The MSHCP establishes a multiple species conservation program to minimize and mitigate habitat loss and the incidental take of covered species in association with activities covered under the permit.

Under the MSHCP, local Permittees such as the City of Murrieta conduct covered activities consistent with the MSHCP, its associated Implementing Agreement, and Section 10(a)(1)(B) permit issued. The City of Murrieta approved the MSHCP and is a local Permittee under the MSHCP. As such, the City has the authority to meet the Federal and State endangered species and conservation planning obligations for its jurisdiction. The City of Murrieta Community Development Department is responsible for ensuring that all development proposed is consistent with the MSHCP Species and Habitat Conservation Guidelines and Area Plan Conservation Criteria. The MSHCP, Permits, and Implementation Agreement serve as guiding documents for

the implementation of the conservation goals and land use planning parameters required by the local Permittees.

The Western Riverside County Regional Conservation Authority (RCA), a joint powers authority, was established to assist the local Permittees with MSHCP implementation. The RCA is responsible for the administration of acquisitions and conservation easement dedication, land management, biological resource monitoring, and MSHCP fee collection and accounting. In addition, the Joint Powers Agreement provides for annual audits of the permittees compliance and collection of MSHCP fees.

Exhibit 5.10-1, *MSHCP Proposed and Existing Conservation Land*, illustrates the existing Conserved Lands and the Proposed Linkages and Cores. As indicated in *Exhibit 5.10-1*, the City's existing Conserved Lands, including PQP Conserved Lands 2003 and Pre-Existing Conservation Agreements, are predominantly located east of I-215 and south of Clinton Keith Road. Additionally, some PQP Conserved Lands and Pre-Existing Conservation Agreements are located south of I-15, but predominantly within the City's southern corner. Refer also to Section 5.10, Biological Resources

LOCAL PLANS AND POLICIES

Land Use Element

The existing Land Use Element of the General Plan sets forth goals, objectives, and policies for the permitted types, intensities, and locations of land uses in the City. The existing Land Use Element contains descriptions of residential, commercial, multiple use, industrial, parks/open space uses, and civic/institutional uses, as well as specific plan and master plan overlay areas. The Element includes a Land Use Map that establishes a planned pattern of land use by designating the types of uses permitted for land and their location in the City. Objectives and policies in the existing Land Use Element are intended to provide a balance of land uses, maintain the City's rural/equestrian character, provide orderly growth with necessary public services, and provide for the preservation and development of special areas of the City including Historic Murrieta, the Los Alamos District, and the Golden Triangle. Revitalization and redevelopment are also identified.

Development Code

Zoning is the means by which cities implement their General Plan. The City of Murrieta's *Development Code* translates the long-term goals and policies of the General Plan into the regulations and guidelines used for decision-making on future developments. While the General Plan and zoning designations are consistent, the *Development Code* identifies specific uses allowed within each zoning district and provides specific development requirements, such as density, setbacks, height, size, and development character and appearance.

The City of Murrieta's *Development Code* is contained in Title 16 of the *Municipal Code*, and establishes zoning districts to achieve compatibility of uses within each district. Each district distinguishes between land uses and structures, intensity of uses and open spaces.

Specific Plans

Specific plans are designed to implement General Plan goals and policies by designating land uses, densities, and development and design standards in more specific detail. This is accomplished by designating specific locations and intensities for land uses, and specific development standards and design guidelines. A specific plan is able to address smaller areas that have unique qualities and require focused planning attention. A specific plan may be designed to implement any element of a General Plan. Currently, there are 12 adopted specific plans within the City of Murrieta:

GREER RANCH SPECIFIC PLAN (SPM 2)

The Greer Ranch Specific Plan (SPM2) was adopted in September 1995. The Greer Ranch Specific Plan area consists of approximately 555 acres located along the northerly boundary of the City, north of Clinton Keith Road and west of the I-215 Freeway. The Specific Plan area is characterized by two valleys created by three northeast to southwest trending ridgelines.

The Specific Plan permits 688 residential dwelling units in 12 planning areas, ranging from gross densities of 0.5 dwelling units per acre (du/ac) to 3.8 du/ac. The residential development area is approximately 333.1 acres (60 percent) of the site. Approximately 196.8 acres (35.5 percent) of the site would be maintained as open space, predominately comprised of natural areas. Approximately 17.9 acres (3.2 percent) of the site would be developed for recreational use, including a 4.3 acre private Community Center for the residents of Greer Ranch and a 13.6-acre public Neighborhood Park. The remaining 7.2 acres (1.3 percent) would serve the circulation system.

The purpose of the Greer Ranch Specific Plan is to provide a set of master plans, guidelines, regulations, and implementation programs for guiding and ensuring the orderly development of Greer Ranch.

THE VINEYARD SPECIFIC PLAN (SP 215)

The Vineyard Specific Plan (SP 215) was originally approved in February 1988 and then revised and certified complete in September 1988. Since then, four substantial conformances to the Specific Plan have been approved to facilitate minor modifications to planning area boundaries, to relocate uses within the planning area, and to facilitate minor modifications to the alignment of Kalmia Street, while remaining consistent with the intent of the approved Specific Plan.

The Specific Plan is located in the western portion of the City, west of Murrieta Creek and adjacent to the City's western City limit. The Vineyard Specific Plan consists of approximately

521 acres and allows for a maximum of 1,306 dwelling units on 332.5 acres. Approximately 171.7 acres of open space would be maintained, including 155.6 acres of passive open space and 16.1 acres of active park. Neighborhood commercial uses would be located on 4.8 acres. Development standards and design guidelines, including community elements, architectural guidelines, and landscape guidelines are identified in the Specific Plan.

COPPER CANYON SPECIFIC PLAN (SPM 9)

The Copper Canyon Specific Plan (SPM 9) was adopted on April 26, 1996. The Specific Plan is comprised of 579 acres located in the western portion of the City, west of Murrieta Creek and adjacent to the City's western City limit. The Copper Canyon Specific Plan proposes development of a mixed-use master planned community with up to 1,027 dwelling units on 291.5 acres, 14.1 acres of neighborhood commercial uses; 18.8 acres of recreational park areas; 55.0 acres of natural open space and 17.2 acres of roadways. A 167.3 acre 18-hole golf course and 5.1 acre golf clubhouse are also proposed along with a conference center. The golf course and clubhouse have not been constructed.

PLAZA DE MURRIETA SPECIFIC PLAN (SPM 20)

The Plaza de Murrieta Specific Plan (SPM 20) was adopted in September 2007. The Specific Plan is located on approximately 52.25 acres at the northeast corner of Jefferson Avenue and Lemon Street. The Plaza de Murrieta Specific Plan proposes a mixed-use master planned community within five planning areas with up to 95 single family detached units on 17.70 acres, 140 Townhome-1 residential units on 14.08 acres, 68 Townhome-2 residential units and 19 live/work residential units on 6.07 acres specifically designed to accommodate home-based businesses, and a Village Commercial center on 7.66 acres. Within the center of the community, a 1.03 Central Park is proposed with opportunities for active and passive recreational uses. The remaining acreage would consist of pocket parks, landscaped paseos, and roadways.

The Specific Plan includes a Pedestrian Connectivity Plan with a system of extensively landscaped paseos, sidewalks, and pedestrian pathways to facilitate walking throughout the area. The Specific Plan encourages an "Urban Village" for the commercial component of the site with a "Main Street" design concept. The Specific Plan establishes planning standards, architecture design guidelines for each planning area, and site design guidelines for the various land uses to promote a consistent and compatible development with a "French Cottage" style.

HISTORIC MURRIETA SPECIFIC PLAN (SPM 8)

The Historic Murrieta Specific Plan (SPM 8) was adopted in October 2000 and amended February 2003. The Historic Murrieta Specific Plan consists of approximately 250 acres bounded by Kalmia Street on the north, Ivy Street on the south, Hayes Avenue on the west and Jefferson Avenue on the east. The Specific Plan area is essentially the original "Murrieta Town Site" subdivided by the Temecula Land and Water Company in 1884. The Specific Plan establishes policy direction to guide future development within Historic Murrieta.

The Specific Plan includes 10 land use districts: Village Rural Residential; Village Residential – Single Family 1; Village Residential – Single Family 2; Village Residential – Multi Family 1; Village Residential – Office; Village Commercial Neighborhood; Village Mixed Use; Village Public/Civic/Institutional; Historic Preservation Overlay District; and Design Guidelines Overlay District. Site development standards and land use regulations are provided for each district. Design guidelines and a streetscape plan with text and illustrations provide an overall vision for Historic Murrieta. At buildout, the Historic Murrieta Specific Plan would allow for 982 residential dwelling units, 142,389 square feet of commercial uses, 325,611 square feet of civic/institutional uses, 607,444 square feet of mixed-uses, and 96,000 square feet of office uses.

SPECIFIC PLAN 276

Specific Plan 276 was adopted on October 30, 1990 by the County of Riverside. The Specific Plan is located generally east of the I-15 freeway, west of the I-215 freeway, and south of Murrieta Hot Springs Road, in an area known as “the triangle.”

Specific Plan 276, commonly known as the "Murrieta Springs Mall Specific Plan" proposes a plan for a 1,767,914 square foot regional shopping center/mall, comprised of retail, office, restaurant, entertainment, and hotel uses on approximately 64 acres. The Specific Plan proposes development of the area within three phases, and envisioned aRegional Mall on approximately 51.5 acres containing eight major anchor tenants, a food court, multi-screen cinema complex, and smaller retail shops. The remainder of the site is proposed to include eight free-standing building pads with restaurants, retail shops, office space, hotel, and financial services. The Specific Plan includes development standards, including Commercial Design Guidelines.

SPECIFIC PLAN 310

Specific Plan 310 was adopted in December 2001 by the County of Riverside and amended in December 2004. The purpose of the Specific Plan is to delineate a mixed-use residential development plan encompassing approximately 1,734.5 acres. Approximately 175 acres of the Specific Plan area are within Murrieta’s Sphere of Influence.

The land use concept creates a community with a historic California theme comprised of up to 4,186 residential units located within three distinct villages focused around a championship 18-hole golf course integrated into natural habitat/open space and uniquely themed, pedestrian-oriented mixed-use core areas. The Specific Plan identifies 37 planning areas supplemented by greenbelts and roadways. Overall the Specific Plan allows for 4,186 residential dwelling units on 768 acres, including 1,096 dwelling units within the residential portion of the Mixed-use designation, 200.8 acres of Mixed Use, 142.4 acres of commercial uses, including 11.4 acres of Commercial within the Mixed Use area, 147.7 acres of commercial recreation and 463.1 acres of Open Space/Recreation/School uses. The Specific Plan includes planning standards and design guidelines for the area.

CREEKSIDE VILLAGE SPECIFIC PLAN (SPM 15)

The Creekside Village Specific Plan (SPM 15) was adopted in May 2002 and amended in August 2003. The Specific Plan consists of approximately 145 acres located east of the I-215 freeway and south of Murrieta Hot Springs Road and its intersection with Whitewood Road. The Specific Plan proposes 500 residential units on 97.74 acres, 10.03 acres for an elementary school, 19.28 acres of natural creek and related vegetation, 4.43 acres for greenways/village green, and 13.64 acres for roadways and runoff treatment basins. The Specific Plan includes four potential alternatives with Alternative 3 allowing up to 780 residential units and an elementary school, and The Specific Plan includes land use regulations and design standards for the area. Alternative 4 is final negotiated plan, based upon settlement of a lawsuit and court approved agreement.

MURRIETA SPRINGS SPECIFIC PLAN (SP 309)

The Murrieta Springs Specific Plan (SP 309) was adopted in June 2002. The 697-acre Murrieta Springs Specific Plan is located east of the I-215 freeway, adjacent to the western edge of Winchester Road, north and west of Borel Road and west of the French Valley Airport Road entrance. The Specific Plan area was annexed into the City of Murrieta in July 2002. The Specific Plan proposes a master-planned community, primarily composed of residential, open space, commercial, an elementary school and recreation land uses. The Specific Plan allows for a maximum of 2,202 dwelling units on 415.3 acres, an elementary school of 12.7 acres, two active park sites totaling 22.7 acres, 209.6 acres of open space, 9.4 acres of commercial uses, 27.3 acres of primary roadways, and 5.23 acres of expanded landscape parkways. The Specific Plan includes land use development standards and design guidelines for the area.

In September 2008, the easterly 452+ acres of the Plan area were acquired by the Western Riverside County Regional Conservation Authority (RCA) for conservation. As a result, the potential number of dwelling units was reduced to 766.

MURRIETA OAKS SPECIFIC PLAN (SPM 10)

The Murrieta Oaks Specific Plan (SPM 10) was adopted on June 20, 2000. The Specific Plan is comprised of approximately 259.6 acres located in the area between the I-15 freeway and the I-215 freeway, north of Los Alamos Road, with Clinton Keith Road crossing the site at the northern edge. The Specific Plan proposes residential, open space, and recreational uses, as well as the potential for an elementary school. The land use plan proposes a cluster development to maintain significant natural features, such as the ridgeline, steep hillside areas, and drainage courses. Without an elementary school, four residential neighborhoods would contain up to 600 dwelling units. With an elementary school the four residential neighborhoods would accommodate up to 560 dwelling units. The elementary school would be located on 10.0 acres. The natural system would consist of 76.02 acres designated for natural hillside, conserved creek open space, and the natural hillside are not in slope bank, but subject to fuel modification. Modified open space would consist of 33.58 acres and include a neighborhood park (5.13 acres),

landscaped slope banks, and a trail system with picnic/rest areas, and fuel modification areas. The remaining area would consist of roadways.

GOLDEN CITY SPECIFIC PLAN (SPM 5)

The Golden City Specific Plan (SPM 5) was originally adopted in November 1996. Substantial Conformance No. 1 was approved in June 1999. Amendment No. 1 was approved in September 2008 to allow 42 acres for a professional office park district. The Golden City Specific Plan is located in the northern portion of the City. It is generally located east of Antelope Road and the I-215 freeway, west of the City's Sphere of Influence, north of Baxter Road and south of Brian's Way. The Specific Plan is comprised of approximately 248 acres. The Specific Plan allows for 502 dwelling units on 148.8 acres. Non-residential uses include professional office park (42.0 acres), fire station (5.3 acres), open space (34.3 acres), neighborhood park (11.6 acres), green belts (1.5 acres), and detention basins (4.5 acres). The development guidelines provide for a Neo-traditional planned community, providing a close integration of land uses.

MURRIETA HIGHLANDS SPECIFIC PLAN (SPM 1)

The Murrieta Highlands Specific Plan (SPM 1) was originally adopted in October 1995. Substantial Conformance No. 1 was approved in July 1999. The Specific Plan area is comprised of 419 acres generally located north of Brian's Way and Keller Road, east of Antelope Road and the I-215 freeway, west of Pitman lane, and south of Scott Road and rural residential land uses. The Specific Plan provides for 1,167 dwelling units on 277.5 acres and 67.3 acres of commercial uses. Additional uses include an elementary school (12.6 acres), neighborhood parks (22.5 acres), multi-purpose greenbelt (11.9 acres), and open space (27.2 acres). The development plan emphasizes a pedestrian-oriented environment with recreational uses that are within walking distances inside the community.

MURRIETA REDEVELOPMENT PLAN

The Original Redevelopment Plan for the City of Murrieta was adopted on June 15, 1999. The Original Project Area is comprised of seven subareas totaling 1,133 acres. On July 5, 2006, the City approved the 2006 Amendment to the Original Plan, which added approximately 1,193 acres (Added Territory) to the Original Project. Together the Original Project Area and the Added Territory are identified as the Amended Project Area; refer to *Exhibit 5.1-2*, *Amended Project Area*. The purpose of the Amended Plan is to eliminate the conditions of blight existing in the Amended Project Area. Plan objectives for the Amended Project Area include:

- Encourage employment opportunities through environmental and economic improvements resulting from the redevelopment activities.
- Provide for the rehabilitation of commercial structures and residential dwelling units.
- Provide for the participation in the redevelopment of property in the Amended Project Area by owners who agree to so participate in conformity with the Amended Plan.

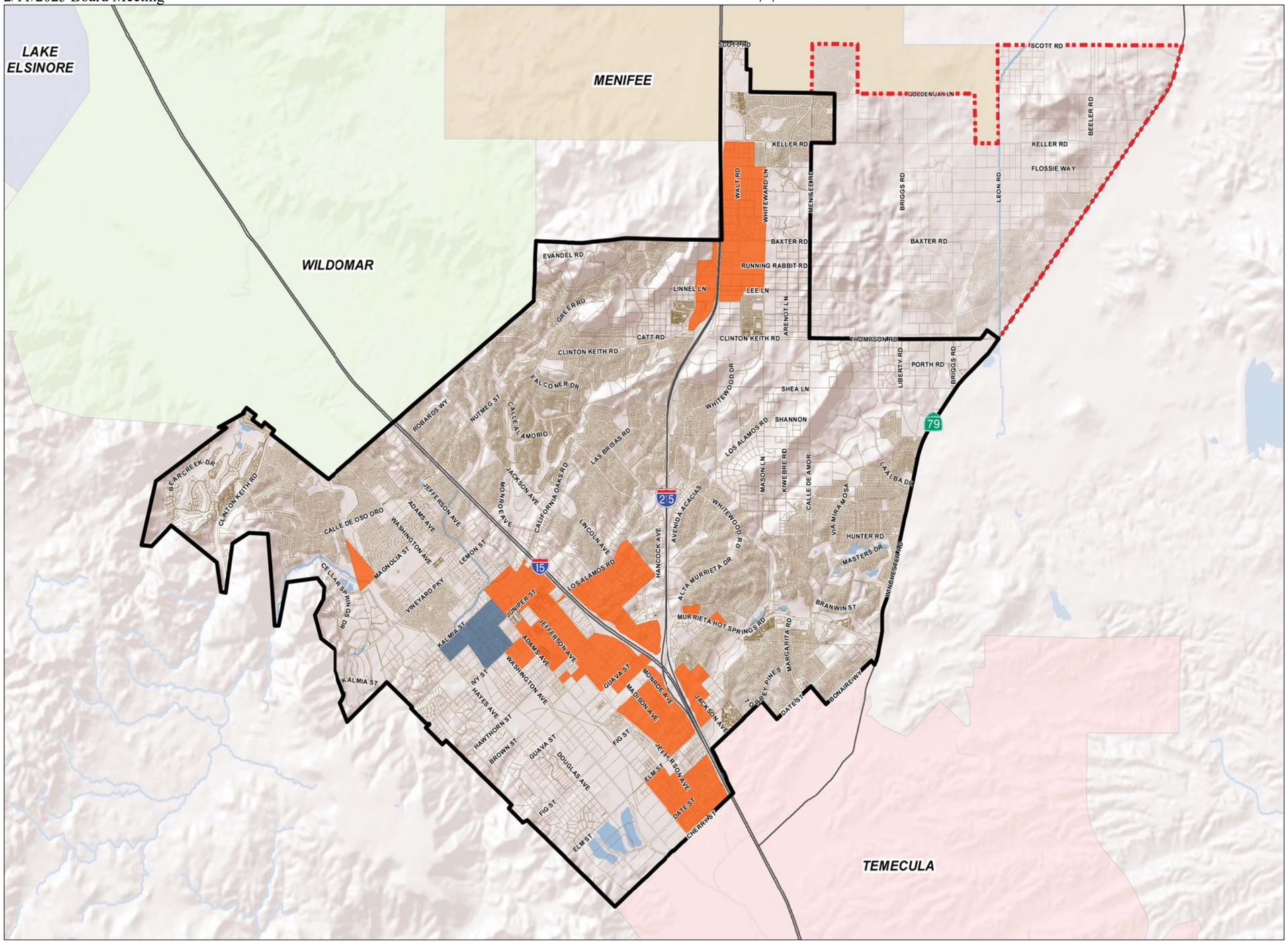
- Provide for the management of property owned or acquired by the Agency.
- Provide relocation assistance where Agency activities result in displacement.
- Provide public infrastructure improvements and community facilities, such as the installation, construction, and/or reconstruction of streets, utilities, public buildings, facilities, structures, street lighting, landscaping, and other improvements which are necessary for the effective redevelopment of the Amended Project Area.
- Increase and improve the community's supply of affordable housing.
- Acquire real property.
- Dispose of real property acquired by the Agency in the Amended Project Area, except property conveyed to it by the City.
- Encourage the redevelopment of the Amended Project Area through cooperation of private enterprise and public agencies.

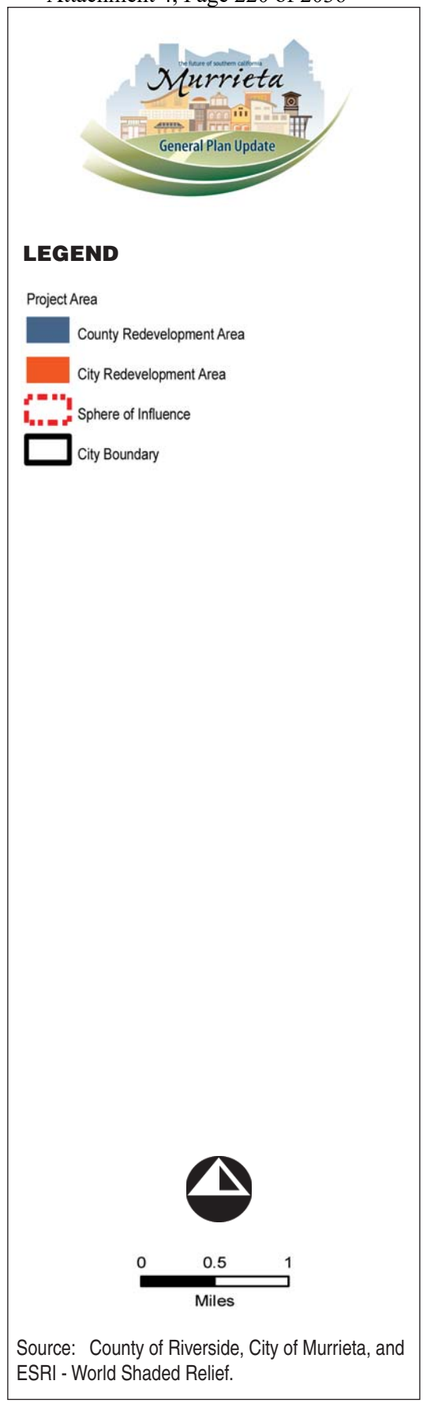
The 2006 Amendment to the Redevelopment Plan identifies potential infrastructure improvement projects, community facilities programs, community development programs, and housing programs.

Other City of Murrieta Planning and Policy Documents

GOLDEN TRIANGLE DEVELOPMENT FRAMEWORK PLAN

The *Golden Triangle Development Framework Plan* (GTDFP) (adopted February 16, 1999) is a Master Development Plan for the 200-acre portion of the Golden Triangle located adjacent to and east of the I-15 freeway, west of the I-215 freeway and south of Los Alamos Road. The area addressed by the GTDFP is limited to the area designated as Multiple Use Area 1 by the General Plan. The goal of the GTDFP is to set the foundation for future development in the plan area in order to implement the General Plan goals for an urban center. The GTDFP focuses on identification of appropriate land uses and on identifying adequate infrastructure, such as streets, sewers, water, and drainage systems to serve ultimate buildout of this area. The plan area is divided into nine planning areas, defined by natural drainage courses, major streets, and site topography. The GTDFP identifies the allowable uses and permit requirements for each planning area, as well as development standards for each land use. Uses allowed within the plan area include multi-family residential, commercial, office/medical professional, and open space. Existing utility infrastructure, streets, and drainage were evaluated as part of the GTDFP and backbone systems were identified based on buildout of the plan area in accordance with the land use plan.





Source: County of Riverside, City of Murrieta, and ESRI - World Shaded Relief.

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Amended Project Area

Exhibit 5.1-2

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RETAIL CORRIDOR ACTION PLAN

The *Retail Corridor Action Plan* was originally adopted on May 23, 1995 and Amended on February 1, 2002. The Retail Corridor area is comprised of three non-contiguous tracts of land under various ownerships. The western tract encompasses 213 acres and is bounded by Jefferson Avenue on the west, Los Alamos Road on the north, Guava Street on the south, and the I-15 freeway on the east. The central tract consists of 26.22 acres located north of Murrieta Hot Springs Road, east of the I-15 freeway, and west of Hancock Avenue. The eastern tract consists of 54 acres and is generally bounded by Murrieta Hot Springs Road on the north and the I-215 freeway on the west. The Master Plan provides the following:

- Distribution, location, and extent of uses of land within the area covered by the Plan.
- The proposed distribution, location, and extent and intensity of infrastructure, including but not limited to sewer, water, drainage, streets, utilities and other essential facilities to support the land uses proposed in the plan.
- The location and description of physical conditions affecting the property including, but not limited to geotechnical, biological, topographical, drainage and hydrology, traffic and cultural resources.
- Standards and criteria which regulate all aspects of development, including but not limited to such standards as parking, architecture, landscaping, and signs.
- A program of implementation and administration of the Master Plan, including but not limited to, processing requirements and other administrative procedures.

JEFFERSON AVENUE BUSINESS CORRIDOR MASTER PLAN

The *Jefferson Avenue Business Corridor Master Plan*, adopted in October 2001, encompasses the area generally bordered by I-15 on the east, Warm Springs Creek on the south, Murrieta Creek on the west, and Murrieta Hot Springs Road on the north. The Master Plan provides a detailed description of infrastructure requirements, including circulation, drainage, sewer, water, and dry utilities and also provides a mass grading plan and cost analysis for area-wide improvements within the 830-acre area. The purpose of the Master Plan is to:

- Promote high quality development consistent with the goals of the City of Murrieta General Plan.
- Provide for comprehensive planning which assures the orderly development of the site in relation to the surrounding environment.
- Assure appropriate phasing for community facilities including circulation improvements, domestic water, urban runoff and flood control facilities, sewage disposal facilities, and other utilities.

SHARP HOSPITAL MASTER DEVELOPMENT PLAN (MDP 93-02)

The Master Development Plan (MDP) encompasses approximately 30 acres located adjacent to the I-215 freeway, north of Murrieta Hot Springs Road. The intent of the MDP was to allow for greater development flexibility due to physical constraints of the property by restricting use of certain portions of the land use area and allowing more intense development on the lesser constrained property. The internal transfer of development rights within the MDP did not exceed the maximum development potential or land use of the underlying zoning; however, it did provide further guidance in the implementation of Sharps Healthcare expansion plans within the scope of the underlying Professional Commercial and Regional Commercial zones. The MDP covers what is now known as the Rancho Springs Medical Center, a medical office building, and vacant land. The former Sharp Healthcare facility is now owned by Universal Health Services (UHS). UHS has proceeded with expansion of the Rancho Springs Medical Center and has since sold the northerly 12 acres of the MDP area.

5.1.2 ENVIRONMENTAL SETTING

PLANNING AREA

The Planning Area for the Murrieta General Plan includes both the incorporated City Limits and the Sphere of Influence; refer to *Exhibit 3-1*. The Planning Area is comprised of 26,852 acres (41.96 square miles) of which 21,511 acres (33.61 square miles) is located within the City Limits and 5,341 acres (8.34 square miles) is located within the City's Sphere of Influence. The County of Riverside is responsible for final land use decisions within the Sphere of Influence.

Sphere of Influence

The Sphere of Influence (possible future annexation area) is 5,341 acres east of the City, generally located south of Scott Road, west of Winchester Road (SR-79) and north of Clinton Keith Road/Los Alamos Road. The area includes:

- 2,516 acres pre-zoned Rural Residential (RR);
- 1,955 acres pre-zoned Estate Residential 2 (ER-2);
- 108 acres pre-zoned Single-Family 1 (SF-1) Residential;
- 149 acres pre-zoned Business Park (BP);
- 40 acres pre-zoned Community Commercial (CC); and
- 175 acres pre-zoned Specific Plan (SP).

2006 GENERAL PLAN LAND USE DESIGNATIONS

The *General Plan Land Use Element* (2006) designates land uses for the City; refer to *Exhibit 5.1-3*, *Existing General Plan/Zoning Map*.

Residential

Rural Residential (0.0-0.4 du/ac) (RR) – This is the lowest density residential classification and is established for large lot single-family uses within a rural atmosphere. The minimum lot size is 2.5 acres.

Estate Residential (ER) – The Estate Residential category is delineated by three separate land use designations. Each designation has a different minimum lot size and density. The overall Estate Residential designation provides for a transition from the rural areas to the traditional single family subdivisions. The following designations are within the Estate Residential category:

- Estate 1 Residential (0.5-1.0 du/ac) (ER-1) – Minimum lot size is 1.0 acre.
- Estate 2 Residential (1.1-2.0 du/ac) (ER-2) – Minimum lot size is 0.5 acre.
- Estate 3 Residential (2.1-3.0 du/ac) (ER-3) – Minimum lot size is 10,000 square feet.

Single-Family 1 Residential (2.1-5.0 du/ac) (SF-1) – Single-Family subdivisions are the primary use in this designation. Developments should have uniform lot patterns, with a minimum lot size of 7,200 square feet.

Single-Family 2 Residential (5.1-10.0 du/ac) (SF-2) – Small lot single-family detached homes and attached single-family units with common walls are allowed in this designation. The minimum lot size for single-family units is 5,000 square feet. Clustering of units to provide aggregate open space is encouraged and on-site recreational facilities are required. Units are on individual lots with open spaces commonly maintained.

Multi-Family 1 Residential (10.1-15.0 du/ac) (MF-1) – Low density multi-family units are permitted in this designation. Stacked flats or townhouses with ample amounts of open space are allowed. Recreation facilities and open space are required and are commonly maintained. Air space or "postage stamp" subdivisions providing individual ownership are allowed. Sites are large, generally 5 to 15 acres in size, and are located throughout the City.

Multi-Family 2 Residential (15.1-18.0 du/ac) (MF-2) – This high density designation is intended for town homes and stacked flat apartment and condominium developments. Uses such as senior housing, congregate care, or group quarters are allowed in this designation. Recreational facilities and open space are required and are commonly maintained. Sites are generally 5 to 15 acres in size, and are located throughout the City. Target density is 16.0 du/ac.

Commercial

Regional Commercial (RC) – Regional commercial centers, with department stores or other major tenants as anchors, are provided for in this designation. Professional office uses are also included. Regional centers typically have several major anchor tenants as well as smaller retail, restaurant, hotel, motel, financial and accessory uses. Medium sized retail uses as well as theaters are also found in regional centers. Parking, access, signage, and landscaping are provided in common. Regional centers are generally 30 acres or larger in size, and have a Maximum Floor Area Ratio (FAR) of 0.5.

Community Commercial (CC) – This designation is intended to serve the daily shopping needs of a community. It includes destination centers, supermarket centers, and smaller single-lot commercial activities. Beyond the retail uses, financial, office, and restaurant activities are also allowed. Buffering from adjacent residential use is essential. Hotel and motel uses would also be included. Community centers are generally 10 to 30 acres in size and have a Maximum FAR of 0.27 to 0.35.

Neighborhood Commercial (NC) – This designation is for convenience shopping. It includes individual retail and service uses and small or centers on sites generally ranging from 3 to 10 acres in size. Buffering and screening from residential uses is essential. Maximum FAR is 0.25.

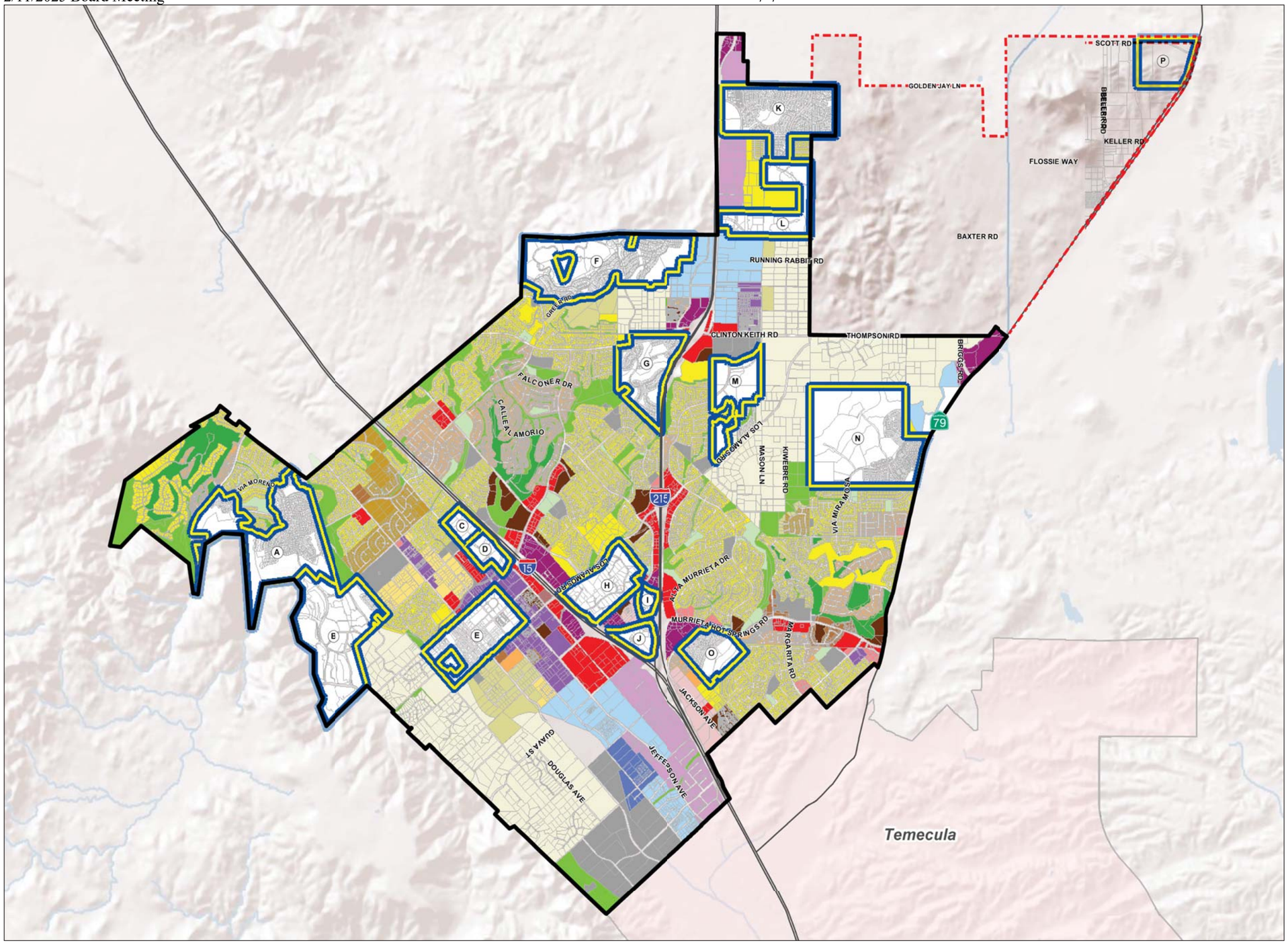
Recreational/Resort Commercial (RRC) – This category provides for resort type uses. Lodging accommodations with eating and conference facilities along with a recreational use such as golf course and/or tennis courts are allowed in this designation. Theme parks and recreation centers would also be allowed. Allowable FAR will be project specific and determined by the City on a project-by-project specific basis.

Professional Commercial (PC) – Office, administrative, business, and medical services are allowed in this designation. Financial institutions and eating establishments all support the primary office use. Maximum FAR is 0.5.

Multiple Use

The Multiple Use designation provides the City with a flexible land use category to respond to location and market considerations. The designation allows for commercial and residential uses, except where indicated in the discussion below.

Area 1 (MU-1) – Professional offices, retail, hotels, congregate care facilities, institutions of higher learning, and other medical related uses. Residential uses utilizing the target density of the Multi-Family 2 designation are also permitted in limited areas. The MU-1 area has an approved Master Development Plan (Golden Triangle) that defines permitted locations and intensities of these land uses.



Source: City of Murrieta.

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07/11 • JN 10-106976

Existing General Plan/Zoning Map

Exhibit 5.1-3

Back of 11 x 17 exhibit

Area 2 (MU-2) – Service commercial, industrial, and office uses are allowed, as well as hotels and motels. Residential uses are not permitted.

Area 3 (MU-3) – Uses such as civic/institutional, office, retail, and residential are allowed in a mixed use setting. Because residential and commercial uses are permitted, special design consideration must be incorporated into all projects. Residential uses may account for up to forty percent (40 percent) of the total area of an individual development site or parcel (as part of a mixed-use project), at a maximum density of 18.0 du/ac.

Industrial

Business Park (BP) – Light manufacturing, fabrication, materials processing, and assembly are allowed in this designation, provided that the uses are conducted in a controlled setting. Research and product development are also encouraged in this designation. Limited retail to serve the primary business park tenants is allowed. Maximum FAR is 0.40.

General Industrial (GI) – This designation allows for the processing of raw materials into manufactured parts or products. Warehousing, bulk storage, and distribution facilities are also allowed. These uses normally require buffering from residential and commercial uses. While outdoor storage and assembly are allowed, additional review is required to regulate these activities on-site. Maximum FAR is 0.40.

Civic/Institutional

This designation allows for public uses such as hospitals, government offices, civic centers, public agency or district facilities, educational facilities, and churches. Buffering from adjacent residential uses is essential.

General Industrial - A (GI-A) – this designation allows for areas for outdoor storage of materials and vehicles, small scale manufacturing, and handicraft industries. Maximum FAR is 0.40.

Open Space

Lands set aside for protection and conservation of natural resources are designated as open space. Steep hillsides, equal to or exceeding 50 percent slope, and other significant habitat areas may be included in this designation. Creeks should remain in a natural condition and should be encouraged to include a trail system.

Parks

This designation is for active and passive open space and recreational areas generally open to the public. Development in this designation is subject to special review by the City.

Private Recreation

This designation is for both public and private active recreational uses. Golf courses are the primary use in this designation. Development in this designation is subject to special review by the City.

Master Plan Overlay

This designation is applied on a case-by-case basis for single-family residential properties with unique characteristics or circumstance that require additional detail in planning future development. However, the Master Plan Overlay (MPO) may not be used within the Los Alamos District. The MPO designation is an overlay to the base land use designation and will only be applied in areas where conditions such as terrain, environmental resources, public amenities, and/or the inclusion of significant public open spaces beyond that normally required support the clustering of single-family residential dwelling units within projects. Developments should have uniform lot patterns.

The base zoning designation and density will control the overall gross density of the site and the minimum permitted lot size. In other words, the MPO designation does not permit a greater number of lots than would otherwise be permitted under the base zoning. However, the MPO allows the clustering of lots to more efficiently utilize those portions of a site that are best suited for development. Minimum lot sizes in an MPO range as follows:

- Rural Residential (RR) zone: One acre;
- Estate Residential – 1 (ER-1) zone: 10,000 square feet;
- Estate Residential – 2 (ER-2) zone: 7,200 square feet; and
- Single-Family 1 (SF-1) zone: 5,000-6,000 square feet.

The MPO process is not applicable for non-residential or multi-family zoned properties, although the Master Development Plan process is available for commercial and industrial zoned properties.

Specific Plan

The Specific Plan designation is applied to larger properties that have approved specific plans that govern site zoning. Specific Plans must comply with the provisions of *Government Code* Section 65450, which identifies required elements of a specific plan. The intent of a specific plan is to create a cohesive design and development program for properties that can benefit from comprehensive planning because of unique physical features. Specific plans may include a mixture of land uses. SPM reflects Specific Plans adopted by the City of Murrieta.

5.1.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, land use and planning impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Disrupt or physically divide an established community including a low-income or minority community.
- Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect.
- Conflict with any applicable habitat conservation plan or natural community conservation plan, and/or policies by agencies with jurisdiction over the project.

For the purposes of this impact analysis, a significant impact would occur if implementation of the proposed project would result in inconsistencies or conflicts with the adopted goals and policies that are adopted for purposes of avoiding or mitigating an environmental effect of the General Plan or Redevelopment Plan, applicable rules and regulations of the Development Code, and SCAG Regional Comprehensive Plan and Guide and Growth Visioning Program. Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.1.4 PROJECT IMPACTS AND MITIGATION MEASURES

PROPOSED LAND USE PLAN

The Land Use Element contains the General Plan 2035 Land Use Policy Map (refer to *Exhibit 3-2*) and text that describes the community's future land use pattern. As part of the proposed General Plan 2035, the Land Use Policy Map has been separated from the Zoning Map. As a result, the land use designations have been refined to more generally describe the specific land uses. The City of Murrieta Development Code and Official Zoning Map will be updated to provide zoning classifications and maps that are consistent with the land use designations described in the Land Use Element.

Land Use designations of the proposed General Plan 2035 are listed and discussed in brief below. Refer to Section 3.0, Project Description, for a fully detailed description of proposed land use designations.

Residential Land Uses

The proposed General Plan 2035 provides for Large Lot Residential, Single-Family Residential, and Multiple-Family Residential development.

- ***Large Lot Residential (0.1 – 1.0 du/ac).*** Rural Residential provides for very-low density residential development on land that may have limited access to urban services. Typical development consists of single-family detached housing and accessory buildings, often with the keeping of horses and other farm animals and/or small agricultural plantings.

- ***Single-Family Residential (1.1 – 10.0 du/ac).*** Single-Family Residential provides for traditional single-family detached and attached housing. Typical development consists of a single-family detached home for each legal lot. The Single-Family Residential designation also provides for small lot development such as zero lot line.

- ***Multiple-Family Residential (10.1 – 30 du/ac).*** Multi-Family Residential provides for attached and detached apartments and condominiums. Typical development consists of townhomes, condominiums, apartments, senior housing, and stacked flats. Multiple-Family Residential encourages the development of integrated projects that provide complementary open spaces and amenities on-site.

BASE LAND USE DENSITY

The base land use density refers to the maximum number of units per acre permitted under the corresponding zoning district. The base density for the Rural Residential category is 1 unit per acre. The base densities for the Single-Family Residential and Multiple-Family Residential categories are 10 units per acre and 30 units per acre, respectively.

HOUSING AFFORDABILITY BONUS

The City provides for the development of affordable housing for lower-income households through its affordable housing density bonus program in accordance with State law. The specific provisions of the affordable housing density bonus program are outlined in the City's Development Code. When utilizing the affordable housing density bonus program, the allowable density is increased by up to 100 percent for senior housing and 35 percent for non-senior housing, consistent with State density bonus law, as amended.

Non-Residential Land Uses

The City of Murrieta provides a range of non-residential land use designations to ensure the provision of a range of retail, civic, entertainment, service, industrial and other job-creating land uses.

- ***Commercial (0.25 – 0.75 FAR).*** The Commercial designation provides for a broad mix of commercial retail, service, and office uses that serve the local and regional consumer. Typical uses include retail stores, personal services, restaurants, motor fuels, business offices and lodging intended to meet the needs of city residents, travelers, and the daily employment population.

- ***Office and Research Park (0.60 – 2.5 FAR).*** The Office and Research Park designation provides for a variety of employment intensive uses such as business and medical offices, corporate headquarters, medical services, research and development, and technological advancement. Retail and service uses are limited to those that best meet the needs of the local businesses and their employees. Development will reflect the high freeway visibility of the areas and the appropriate buffering of adjacent residential areas.

- ***Business Park (0.40 – 0.60 FAR).*** The Business Park designation provides for employment uses, including office, research and development, educational facilities and light manufacturing. Development should create a campus-like business or industrial park setting. Retail and service uses are typically limited to areas along major streets.

- ***Industrial (0.40 – 0.50 FAR).*** The Industrial designation provides for both indoor and outdoor employment intensive industrial uses, including product assembly, warehousing/distribution and manufacturing. The designation also provides for more intensive uses, some of which may introduce potential environmental impacts such as noise, dust and other nuisances. Impacts should be mitigated through site design and appropriate screening and buffering.

- ***Civic and Institutional (0.5 – 1.0 FAR).*** The Civic and Institutional designation provides for public and quasi-public uses such as hospitals, government offices, schools, museums, libraries, public safety facilities, water and sewer treatment plants and publicly or privately owned places intended for public assembly.

Mixed Use Land Use Designations

- ***Mixed Use.*** This designation provides for a horizontal or vertical mix of residential and non-residential uses, and utilizes both residential density and non-residential intensity standards. Floor area ratios up to 1.0 are permitted and the base residential density is 30 units per acre.

These standards are intended to be applied separately from one another. In other words, a mixed-use designation that allows a base density of 30 du/ac and an intensity of 1.0 FAR allows for development of residential units at 30 du/ac on the same site with 1.0 FAR non-residential development. There is no equivalency calculation required.

Open Space and Recreation Land Use Designations

The City of Murrieta provides for a variety of passive and active open space and recreational opportunities for its residents.

- ***Parks and Open Space.*** The Parks and Open Space designation provides for public parks and recreational activities, private recreational facilities and passive open space areas. The designation is intended to provide for the preservation of natural open spaces, protection of wildlife habitats, maintenance of natural and scenic resources, greenbelts and protection from fire and other natural hazards. The designation includes facilities generally accessible to the public such as bicycle paths, pedestrian trails, swimming pools, golf courses, equestrian centers, playgrounds, picnic areas and sports recreational facilities.

LAND USE COMPATIBILITY

■ IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD DISRUPT OR PHYSICALLY DIVIDE AN ESTABLISHED COMMUNITY.

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Implementation of the proposed General Plan 2035 would not result in any direct impacts regarding land use compatibility within the City. The purpose of the General Plan and General Plan Land Use Policy Map is to provide for a compatible pattern of development. The goals and policies direct future growth and development, while minimizing existing and potential land use conflicts. Murrieta is primarily developed with residential uses and one of the main focuses of the proposed General Plan 2035 is to protect existing residential uses while providing opportunities for non-residential development with a focus on economic development and bringing employment opportunities to the City.

The proposed General Plan 2035 involves land use changes within five of the seven identified Focus Areas: North Murrieta Business Corridor; Clinton Keith/Mitchell Area; Golden Triangle North; South Murrieta Business Corridor; and Multiple Use Area 2 (MU-3); refer to *Exhibit 3-2, General Plan 2035 Focus Areas*. The five Focus Areas targeted for land use change are primarily located adjacent to major transportation and/or business/retail corridors and include areas suitable for major land development and redevelopment to carry out the economic development priorities of the City.

The North Murrieta Business Corridor Focus Area is primarily characterized as rural residential, including vacant, underutilized, or rural residential properties. The area also includes the Loma Linda University Medical Center, which is currently under construction. Due to the amount of vacant land and distribution of uses, the area does not function as a cohesive or established community. The vacant, underutilized, and rural residential properties located in this area would be replaced with a mix of Office and Research Park and Commercial uses, providing a major employment center in the northern portion of the City. These uses would be compatible with the Loma Linda University Medical Center. A range of building heights would be permitted in the area with lower heights adjacent to residential areas and higher heights in more centrally located areas near the Medical Center and along the I-215 freeway frontage, or adjacent to business park uses. Commercial uses within the southern portion of the area would serve the office and research park and residential uses within the area. The land use changes would allow for more unified development by creating a medical corridor and a high technology/office/research employment center, along with commercial uses that support business and employment needs. It would also provide connectivity between the Murrieta Highlands area and other single-family and multiple-family residential uses south of Scott Road, north of Clinton Keith Road and west of Menifee Road, along with other uses within the City. Thus, the proposed land use changes would not physically divide an established community.

The Clinton Keith/Mitchell Focus Area is primarily developed with rural residential uses along with retail uses, including a regional commercial shopping center. The residential and commercial areas are separated from other uses due to existing vacant land, roadways, the I-215 freeway, and the topography and natural conditions that occur within the area. A mix of Rural, Single-Family, and Multiple-Family Residential, Commercial, and Office and Research Park uses would be provided. The rural residential character would be maintained generally west of Duster Road. The proposed mix of residential densities would provide a transition between the commercial and professional office uses located closer to the I-215 freeway. The mix of land uses would encourage compatible development and discourage the encroachment of development surrounding the area and the impact of that development on the rural lifestyle. Thus, the proposed land use changes would not physically divide an established community.

The Golden Triangle North Focus Area is developed with a mix of uses. Portions of this area have been developed with single-family homes or small businesses; however, the remainder is vacant. This area is adjacent to the Crossroads Corporate Center and Rancho Springs Medical Center. The area is currently disjointed due to the topography and location of uses and as a result the residential and commercial areas together do not function as a cohesive community. The proposed land use changes would not physically divide an established community, as the single-family homes would be retained, and a mix of Multiple-Family Residential, Commercial, and Office and Research Park uses would be provided. These uses would support and be compatible with the office uses currently located within this area and the multiple-family residential uses would provide a transition with single-family residential uses located to the north and east.

The South Murrieta Business Corridor Focus Area is predominantly developed with business park and industrial uses; however, single-family homes are scattered throughout the area. Vacant or underutilized properties are present in this area. The vacant and underutilized properties located in this area would be replaced with a mix of Office and Research Park, Business Park, and Industrial Uses, establishing the area as the major employment center in the southern portion of the City. The potential uses would be compatible with existing uses within the area. Thus, the proposed land use changes would not divide an established community.

The Multiple Use 3 (MU-3) Focus Area is mostly developed and characterized as urban. Although, this area contains both commercial and multi-family uses, it is not characterized as a traditional mixed use area. The individual parcels contain either 100 percent commercial or 100 percent multi-family uses. Additionally, this area contains vacant, single-family residential and underdeveloped properties. The proposed land use changes would not physically divide the community, as the land uses for the developed areas are consistent with actual uses. This area would provide a mix of Multiple-Family Residential, Commercial, and Office and Research Park uses. Parcels that are vacant or underdeveloped would change to uses that are compatible with on-site and surrounding uses.

Implementation of the proposed General Plan 2035 would lead to greater urbanization within the Focus Areas and throughout the City by localized intensification of land uses on underutilized sites and introduction of new land uses on vacant sites. However, the proposed General Plan 2035 Land Use Policy Map establishes consistent and compatible development intensities to ensure existing and future land uses would not negatively impact adjacent and surrounding uses.

Implementation of the proposed General Plan 2035 would not result in any direct impacts regarding land use compatibility with surrounding jurisdictions. Land use changes are proposed within identified Focus Areas of the City, which are primarily located along major transportation and business/retail corridors within the City. Although portions of the Focus areas are adjacent to neighboring jurisdictions, the proposed land uses and overall intent of the Focus Areas are generally consistent with surrounding development and would not involve land use compatibility impacts. Further, as stated, the goals and policies identified in the proposed General Plan 2035 are designed to preserve and improve existing and future physical development by ensuring that adjacent land uses are compatible with one another. Impacts would be less than significant in this regard.

Goals and Policies in the Proposed General Plan 2035:

LAND USE ELEMENT

Goal LU-3 Stable, well-maintained residential neighborhoods in Murrieta.

Policies

LU-3.2 Protect residential areas from the effects of potentially incompatible uses. Where new commercial or industrial development is allowed adjacent to residentially zoned districts, establish and/or maintain standards for circulation, noise, setbacks, buffer areas, landscaping and architecture, which ensure compatibility between the uses.

LU-3.3 Assure that the type and intensity of land use shall be consistent with that of the immediate neighborhood.

LU-3.5 Prohibit uses that lead to deterioration of residential neighborhoods, or adversely impact the safety or the residential character of a residential neighborhood.

Goal LU-8 A community that provides opportunities for mixed use and/or transit-oriented development.

Policies

LU-8.3 Minimize the impacts of mixed use or transit-oriented development housing projects on single-family neighborhoods.

LU-8.4 Design mixed uses or transit-oriented development projects to:

- Create a pleasant walking environment to encourage pedestrian activity.
- Create lively streetscapes, interesting urban spaces, and attractive landscaping.
- Provide convenient shopping opportunities for residents close to their residence.
- Integrate with surrounding uses to become a part of the neighborhood rather than an isolated project.
- Use architectural elements or themes from the surrounding area, as appropriate.
- Provide appropriate transition between land use designations to minimize neighbor compatibility conflicts.

Goal LU-15 The Clinton Keith/Mitchell area will provide for a mix of land uses, including high-quality residential, regional-serving commercial, and job-creating uses

Policies

LU-15.1 Ensure appropriate buffers are provided between Rural, Single-Family, and Multiple-Family Residential uses.

LU-15.2 Ensure adequate buffers are provided between residential and non-residential uses.

LU-15.3 Ensure that Office and Research Park uses are designed to reflect the natural topography.

LU-15.4 Encourage opportunities for retail, office, and research uses to complement and serve the uses in the North Murrieta Business Corridor Focus Area.

Goal LU-18 A mix of residential, retail, and job-creating uses

Policies

LU-18.1 Ensure appropriate buffers are provided between Rural, Single-Family, and Multiple-Family Residential uses both within and adjacent to the Multiple Use 3 Area Focus Area.

LU-18.2 Ensure adequate buffers are provided between residential and non-residential uses both within and adjacent to the Multiple Use 3 Area Focus Area.

LU-18.4 Encourage Office and Research Park uses that are complementary to the Civic Center and the Historic Downtown Specific Plan.

Goal LU-26 The City understands that development on lands adjacent to the City's corporate boundary can profoundly affect Murrieta residents and businesses.

Policies

LU-26.1 Cooperate with other jurisdictions in developing compatible land uses on lands adjacent to, or near, the City's corporate boundaries to minimize significant impacts and potentially benefit residents, businesses, and/or infrastructure systems in Murrieta.

LU-26.2 Monitor planning and environmental assessments for development projects in adjacent jurisdictions and participate in public hearings for the projects.

Goal LU-27 The quality and character of the City is preserved and enhanced by compliance with relevant codes and regulations.

Policies

LU-27.1 Review the Development Code and determine which sections are outdated to meet current trends, regulations, adopted community visions, and the General Plan 2035 land use designations, and revise as necessary.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

FEDERAL AND STATE LAND USE PLANS, POLICIES, OR REGULATIONS

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN POTENTIAL INCONSISTENCY IMPACTS WITH FEDERAL AND STATE REGULATIONS.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: The proposed General Plan 2035 has refined and supplemented goals and policies regarding future development within the City. The proposed General Plan 2035 would have a beneficial effect by making the General Plan a more effective tool to review future projects and to coordinate with other jurisdictions and regulatory agencies on regional planning and environmental matters.

The proposed General Plan 2035 contains goals and policies that continue to support current procedures followed by the City when development applications are reviewed, including the referral of plans to appropriate Federal and State agencies to ensure consistency between City and other agency regulations and requirements.

The consistency of the proposed General Plan 2035 with specific Federal and State plans is presented in *Table 5.1-1*, *Proposed General Plan 2035 Consistency With Federal and State Regulations*.

Table 5.1-1
Proposed General Plan 2035 Consistency With Federal and State Regulations

Plan or Policy	Consistency Statement
Federal Regulations	
Clean Air Act	Consistent. The proposed General Plan 2035 contains goals and policies to protect air quality consistent with the Clean Air Act, including 1) management of local pollutants to meet air quality standards, 2) land use and transportation measures to reduce vehicle trips and congestion, and 3) encouraging alternate modes of transportation (i.e., walking, biking, and public transit use). Therefore, the proposed General Plan 2035 is consistent with the Clean Air Act.
Clean Water Act (Section 404)	Consistent. The proposed General Plan 2035 contains goals and policies designed to protect water resources and enhance water quality. Therefore, the proposed General Plan 2035 is consistent with the Clean Water Act.
National Pollutant Discharge Elimination System (NPDES) Permit Program	Consistent. The proposed General Plan 2035 provides goals and policies designed to protect water quality. Development allowed through implementation of the proposed General Plan 2035 would be required to implement storm water management practices during and after construction in accordance with the NPDES permit program. Therefore, the proposed General Plan 2035 is consistent with the NPDES program.
Federal Endangered Species Act	Consistent. Rare or endangered plant or animal species are anticipated to occur within the City of Murrieta. Any development occurring as a result of implementation of the proposed General Plan 2035 would be required to comply in full with the Endangered Species Act. This would include mitigation of any significant impacts to any rare or endangered species.
State Regulations	
California Endangered Species Act	Consistent. Rare or endangered plant or animal species are anticipated to occur within the City of Murrieta. Future development resulting from implementation of the proposed General Plan 2035 would be required to comply fully with the California Endangered Species Act and mitigate any impacts to such species.

Table 5.1-1 [continued]
Proposed General Plan 2035 Consistency With Federal and State Regulations

Plan or Policy	Consistency Statement
California Wetlands Policy	Consistent. Vernal pools and seasonal wetlands have historically occurred within the City. The final determination of the type of wetland is often ultimately verified by the United States Army Corp of Engineers (USACE). The extent to which special-status plant and animal species utilize these habitats varies; however, any species present in vernal pools may also occupy seasonal wetlands. Both vernal pools and seasonal wetlands offer habitat for a variety of plant and animal species listed as threatened or endangered, or that have other special status that require some level of protection. Any proposed impacts to permanent or seasonally ponded water bodies or ephemeral, intermittent, or perennial streambeds associated with implementation of the proposed General Plan 2035 would require preparation of a delineation report and jurisdictional determination by the USACE, RWQCB, and the CDFG. Potential impacts to wetland would be subject to the California Department of Fish and Game (CDFG) streambed alteration agreement requirements and Federal and State laws that protect jurisdictional waters of the United States. These agreements require the avoidance of wetlands and implementation of mitigation measures for any related wetlands impacts.

Goals and Policies in the Proposed General Plan 2035:

CIRCULATION ELEMENT

Goal CIR-1 A circulation system that serves the internal circulation needs of the City, while also addressing the inter-community or through travel needs.

Policies

CIR-1.4 Continue to improve signal coordination and advanced traffic management systems at major intersections and along roadway corridors in order to optimize traffic flow through the City and reduce traffic queuing.

CIR-1.11 Support the implementation of complete streets through a multi-modal transportation network that balances the needs of pedestrians, bicyclists, transit riders, mobility-challenged persons, older people, children, and vehicles while providing sufficient mobility and abundant access options for existing and future users of the street system.

Goal CIR-5 A supported regional transportation system that serves existing and future travel between Murrieta and other population and employment centers within southwest Riverside County and the larger region, and that accommodates the regional travel needs of developing areas outside the City.

Policies

CIR-5.9 Coordinate with Western Riverside Council of Governments, Riverside County, and Riverside County Transportation Commission to identify, protect, and pursue opportunities for public transit along major transportation corridors, and future high speed rail service, which connect Murrieta to other population centers.

CIR-5.10 Support the siting and development of a Metrolink Station(s) within Murrieta along the I-15 and/or I-215 corridors.

CIR-5.11 Coordinate with California High Speed Rail Authority, Riverside Transit Authority, and City of Temecula on the siting and development of a California High Speed Rail Intermodal Transit Center.

Goal CIR-6 Alternative travel modes and facilities are available to serve residents and employers/employees and reduce vehicle miles traveled.

Policies

CIR-6.1 Encourage alternatives to single-occupancy vehicle transportation such as rail, public transit, paratransit, walking, cycling, and ridesharing.

CIR-6.2 Support a variety of transit vehicle types and technologies to serve different transportation needs.

CIR-6.3 Work with the Riverside Transit Agency, Murrieta Chamber of Commerce, and/or the City's Economic Development Department to conduct a travel/commute survey with the intent of creating vanpools, carpools, and employment center shuttles to reduce single occupant vehicles.

CIR-6.4 Seek opportunities for funding that goes to support alternative forms of transportation.

CIR-6.5 Support the dedication and/or construction of appropriate facilities in support of a public transportation system.

CIR-6.6 Identify opportunities to implement the Western Riverside County Non-Motorized Transportation Plan within key activity centers of the City through the development of non-motorized transportation corridors and facilities (i.e.,

neighborhood electric vehicle routes, bikeways, pedestrian paths, sidewalks/paths).

CIR-6.7 Coordinate with the Riverside Transit Agency to provide fixed route transit service along transportation corridors connecting to employment and commercial areas, schools, health care facilities, and major recreation areas.

CIR-6.11 Encourage employer-based incentive programs for use of public transit and improve awareness of such programs.

CIR-6.13 Continue to require new development to submit a Trip Reduction Plan, if applicable, in compliance with the Transportation Demand Management Ordinance.

Goal CIR-8 Development, expansion, and maintenance of a network of bicycle, pedestrian, and multi-use trails that allows residents to travel between parks, schools, neighborhoods, and other major destinations without driving.

Policies

CIR-8.1 Create, update, and implement a master plan for non-motorized travel throughout the City, including multi-use trails, off-street paved bikeways, on-street bikeways, and related amenities.

CONSERVATION ELEMENT

Goal CSV-1 A community that conserves, protects, and manages water resources to meet long-term community needs, including surface waters, groundwater, imported water supplies, storm water, and waste water.

Policies

CSV-1.3 Promote the protection of groundwater supplies from contamination.

Goal CSV-3 A community that participates in a multi-jurisdictional approach to protecting, maintaining, and improving water quality and the overall health of the watershed.

Policies

CSV-3.1 Collaborate with partner agencies and other communities to conserve and properly manage surface waters within the City and Sphere of Influence through protection of the watershed and natural drainage system.

CSV-3.2 Promote storm water management techniques that minimize surface water runoff in public and private developments.

CSV-3.3 Utilize low-impact development (LID) techniques to manage storm water through conservation, on-site filtration, and water recycling, and continue to ensure compliance with the NPDES permit.

CSV-3.5 Seek opportunities to restore natural watershed function as an added benefit while mitigating environmental impacts.

Goal CSV-4 Restoration of the natural function and aesthetic value of creeks, while providing flood control measures and opportunities for recreation.

Policies

CSV-4.1 Prioritize creek preservation, restoration and/or mitigation banking along creeks as mitigation for environmental impacts.

CSV-4.2 Consider alternatives to hardlined bottoms and side slopes within flood control facilities, where technically feasible.

CSV-4.3 Preserve Warm Springs Creek and Cole Creek as a wildlife corridor, while accommodating flood control measures and passive recreation.

CSV-4.4 Retain and restore natural drainage courses and their function where health and safety are not jeopardized.

CSV-4.5 Support efforts for restoration, flood control, and recreation along Murrieta Creek, in coordination with regional and federal plans.

CSV-4.6 Seek funds and provide support for creek restoration, maintenance and protection through grant and mitigation programs, development entitlements, and non-profit organizations.

Goal CSV-8 Conservation of biological resources through habitat preservation and restoration, in coordination with other regional efforts and in compliance with state and federal mandates.

Policies

CSV-8.1 Facilitate the conservation of habitat areas and wildlife corridors under the Western Riverside Multiple Species Habitat Conservation Plan.

CSV-8.2 Address applicable policies and regulations of regional, State, and Federal agencies to achieve common goals for preservation of habitat and the protection of threatened and endangered species.

CSV-8.3 Work with public and private land owners to conserve biological resources.

CSV-8.4 Review development projects to determine their impact on biological resources, and compliance with state and federal regulations.

CSV-8.5 Address Western Riverside Multiple Species Habitat Conservation Plan policies to preserve jurisdictional, wetland, vernal pool and other areas whose hydrology supports habitat and species identified for conservation in the Plan.

CSV-8.6 Address the Western Riverside Multiple Species Habitat Conservation Plan policies for an urban interface, to reduce the impacts from toxics, light, noise, invasive plant species and domestic predators (pets).

CSV-8.7 Establish an implementation program to clarify procedures for implementation of the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP) Habitat Acquisition Negotiation Strategy (HANS) in the City and to provide incentives to facilitate conservation with the MSHCP while recognizing private property rights.

AIR QUALITY ELEMENT

Goal AQ-1 Improved air quality through participation in regional and local efforts.

Policies

AQ-1.1 Continue to work with the Western Riverside Council of Governments (WRCOG) Regional Air Quality Task Force to implement regional and local programs designed to meet federal, state, and regional air quality planning requirements.

AQ-1.2 Review and update City regulations and/or requirements, as needed, based on improved technology and new regulations including updates to the Air Quality Management Plan (AQMP), rules and regulations from South Coast Air Quality Management District (SCAQMD), and revisions to SCAQMD's CEQA Guidelines.

AQ-1.3 Cooperate with local, regional, State, and Federal agencies to achieve better transportation facility planning and development.

AQ-1.4 Cooperate with the State and Southern California Association of Governments (SCAG) in the implementation of SB 375 – Regional Transportation Planning, Housing, CEQA and Global Warming Emission Reduction Strategies.

AQ-1.5 Provide public education and/or materials to educate and encourage residents and business owners to purchase/use low toxicity household cleaning products.

Goal AQ-3 Reduced emissions during construction activities.

Policies

AQ-3.1 Ensure that construction activities follow current South Coast Air Quality Management District (SCAQMD) rules, regulations, and thresholds.

AQ-3.2 Ensure all applicable best management practices are used in accordance with the South Coast Air Quality Management District (SCAQMD) to reduce emitting criteria pollutants during construction.

AQ-3.3 Require all construction equipment for public and private projects comply with California Air Resources Board's (CARB) vehicle standards. For projects that may exceed daily construction emissions established by the South Coast Air Quality Management District (SCAQMD), Best Available Control Measures will be incorporated to reduce construction emissions to below daily emission standards established by the SCAQMD.

AQ-3.4 Require project proponents to prepare and implement a Construction Management Plan, which will include Best Available Control Measures among others. Appropriate control measures will be determined on a project by project basis, and should be specific to the pollutant for which the daily threshold is exceeded. Such control measures may include but not be limited to:

- Minimizing simultaneous operation of multiple construction equipment units.
- Implementation of South Coast Air Quality Management District (SCAQMD) Rule 403, Fugitive Dust Control Measures.
- Watering the construction area to minimize fugitive dust.
- Require that off-road diesel powered vehicles used for construction shall be new low emission vehicles, or use retrofit emission control devices, such as diesel oxidation catalysts and diesel particulate filters verified by California Air Resources Board (CARB).
- Minimizing idling time by construction vehicles.

Goal AQ-4 Mobile source emissions are reduced by providing a balance of jobs and housing that serve the needs of the community.

Policies

AQ-4.1 Cooperate with local, regional, State, and Federal agencies to reduce vehicle miles traveled (VMT) and consequent emissions through job creation.

AQ-4.2 Improve jobs/housing balance by encouraging the development, expansion, and retention of business.

AQ-4.3 Improve access of businesses to local institutions that provide education and job training to prepare local residents to fill the jobs local industries create.

AQ-4.4 Encourage a mix of housing types that are affordable to all segments of the population and are near job opportunities to further reduce vehicle trips.

Goal AQ-5 Air quality is improved through an efficient circulation system, reduced traffic congestion, and reduced vehicle miles traveled.

Policies

AQ-5.1 Encourage employers to implement transportation demand management (TDM) measures, such as the following programs to reduce trips and vehicle miles traveled:

- Transit subsidies
- Bicycle facilities
- Alternative work schedules
- Ridesharing
- Telecommuting and work-at-home programs
- Employee education
- Preferential parking for carpools/vanpools

AQ-5.2 Re-designate truck routes away from sensitive land uses including schools, hospitals, elder and childcare facilities, or residences, where feasible.

AQ-5.3 Promote use of fuel-efficient and low-emissions vehicles, including Neighborhood Electric Vehicles.

AQ-5.4 Encourage the use of lowest emission technology buses in public transit fleets.

AQ-5.5 Provide a preference to contractors using reduced emission equipment for City construction projects as well as for City contracts for services (e.g., garbage collection).

AQ-5.6 Manage the municipal vehicle fleet to achieve the highest possible number of fuel-efficient and low emissions vehicles commercially available.

AQ-5.7 Reduce industrial truck idling by enforcing California's five (5) minute maximum law, requiring warehouse and distribution facilities to provide adequate on site truck parking, and requiring refrigerated warehouses to provide generators for refrigerated trucks.

Goal AQ-6 Stationary source pollution (point source and area source) are minimized through existing and future regulations and new technology.

Policies

AQ-6.1 The City shall continue to minimize stationary source pollution through the following:

- Ensure that industrial and commercial land uses are meeting existing South Coast Air Quality Management District (SCAQMD) air quality thresholds by adhering to established rules and regulations.
- Encourage the use of new technology to neutralize harmful criteria pollutants from stationary sources.
- Reduce exposure of the City's sensitive receptors to poor air quality nodes through smart land use decisions.

AQ-6.2 Encourage and support the use of innovative ideas and technology to improve air quality.

AQ-6.3 Encourage non-polluting industry and clean green technology companies to locate to the City.

AQ-6.4 Work with the industrial business community to improve outdoor air quality through improved operations and practices.

AQ-6.5 New multi-family residential buildings and other sensitive land uses in areas with high levels of localized air pollution should be designed to achieve good indoor air quality through landscaping, ventilation systems, or other measures.

AQ-6.6 Encourage green building techniques that improve indoor air quality, energy efficiency and conservation in buildings, and utilization of renewable energy sources.

AQ-6.7 During the design review process, encourage the use of measures to reduce indoor air quality impacts (i.e., air filtration systems, kitchen range top exhaust fans, and low-VOC paint and carpet) for new developments near busy roadways with significant volumes of heavy truck traffic.

Goal AQ-7 Particulate matter and fugitive dust emissions are reduced throughout the City.

Policies

AQ-7.1 Adopt incentives, regulations, or procedures to reduce particulate matter.

AQ-7.2 Collaborate with transportation agencies, utilities, and developers to minimize fugitive dust and emissions from construction and maintenance activities.

AQ-7.3 Cooperate with local, regional, State, and Federal jurisdictions and/or agencies to better control fugitive dust from stationary, mobile, and area sources.

AQ-7.4 Consider the suspension of all grading operations, not including dust control actions, at construction projects when the source represents a public nuisance or potential safety hazard due to reduced visibility on streets surrounding the property.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

REGIONAL/MULTI-JURISDICTIONAL LAND USE PLANS, POLICIES, OR REGULATIONS

Southern California Association of Governments

- **THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INCONSISTENCIES WITH THE GOALS OF THE SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENT'S REGIONAL COMPREHENSIVE PLAN, 2008 REGIONAL TRANSPORTATION PLAN AND THE PRINCIPLES AND STRATEGIES OF THE COMPASS GROWTH VISIONING PROGRAM.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: The proposed General Plan 2035 includes relevant goals and policies that reflect and respond to SCAG's regional goals. The Land Use Element is intended to establish the overall policy direction for land use planning decisions in the City. As such, goals and policies established in the Land Use Element shape and reflect the policies and programs contained in other General Plan Elements. In addition, policies in the Land Use and Economic Development Elements, as well as the Housing Element address regional jobs/housing balance objectives, in regards to providing housing for all income levels, while providing a range of housing types and employment opportunities. The Circulation Element contains goals and policies aimed at providing a multi-modal transportation network that is safe and efficient and reduces traffic congestion within and through the City. The Air Quality Element outlines the City's efforts to participate in programs aimed at improving regional air quality. Additionally, the City's Climate Action Plan (CAP) describes measures intended to reduce greenhouse gas (GHG) emissions within City operations and the community at-large. The Healthy Community Element brings together many of the concepts in the other General Plan Elements to promote the health, safety, and general welfare of Murrieta's residents, workers, and visitors. It highlights the connections between health and the physical, social, and economic environment, and provides an overarching strategy for achieving and maintaining a healthy community.

The proposed General Plan 2035's consistency to goals contained within the RTP are assessed in *Table 5.1-2, Proposed General Plan 2035 Consistency With SCAG's 2008 Regional Transportation Plan (RTP)*.

Table 5.1-2
Proposed General Plan 2035 Consistency With SCAG's 2008 Regional Transportation Plan (RTP)

SCAG RTP Goals		Consistency Statement
G1	Maximize mobility and accessibility for all people and goods in the region.	Consistent. The Circulation Element addresses both motorized and non-motorized mobility within the City and accessibility for all people and goods. The Element focuses on providing a coordinated and efficient transportation system for all modes and users. It encourages transit opportunities as well providing a connected and enhanced network of bicycle, pedestrian, and multi-use trails. Policies support accessibility between existing and future land uses for all pedestrians, including persons with disabilities or having special accessibility needs. Refer to the Circulation Element (Policies CIR-1.1, CIR-1.4, CIR-1.7, CIR-1.9, CIR-1.10, CIR-1.11, CIR-1.12, CIR-2.3, CIR-4.1, CIR-4.2, CIR-4.3, CIR-5.1, CIR-5.2, CIR-5.7, CIR-5.8, CIR-5.9, CIR-5.10, CIR-5.11, CIR-5.12, CIR-5.13, CIR-6.1, CIR-6.2, CIR-6.6, CIR-6.7, CIR-7.1, CIR-7.2, CIR-7.3, CIR-7.4, CIR-7.7, CIR-7.8, CIR-8.1, CIR-8.2, CIR-8.3, CIR-8.6, CIR-8.7, CIR-8.8, CIR-8.9, and CIR-8.10).

Table 5.1-2 [continued]
Proposed General Plan 2035 Consistency With SCAG's 2008 Regional Transportation Plan (RTP)

SCAG RTP Goals		Consistency Statement
G2	Ensure travel safety and reliability for all people and goods in the region.	Consistent. The Circulation Element identifies goals and policies to provide a safe and reliable transportation system for all people and goods in the region. Refer to consistency analysis for SCAG RTP Goal G1, as well as the Circulation Element (Policies CIR-2.1, CIR-2.2, CIR-2.3, CIR-2.4, CIR-2.5, CIR-2.6, CIR-2.7, CIR-2.8, CIR-2.9, CIR-2.10, CIR-2.11, CIR-2.12, CIR-2.13, CIR-2.14, CIR-3.1, CIR-3.2, CIR-3.3, CIR-3.4, and CIR-3.5).
G3	Preserve and ensure a sustainable regional transportation system.	Consistent. Refer to consistency analysis for SCAG RTP Goal G1 and G2.
G4	Maximize the productivity of our transportation system.	Consistent. Refer to consistency analysis for SCAG RTP Goal G1 and G2.
G5	Protect the environment, improve air quality, and promote energy efficiency.	Consistent. The Circulation Element identifies several goals and policies that promote reduced vehicle trips, provide for enhanced transit opportunities, and encourage walking and bicycling, as well as other non-motorized forms of transportation. The Air Quality Element specifically addresses improved air quality through reducing mobile source emissions and providing an efficient circulation system and reducing vehicle miles traveled, while the Conservation Element addresses energy efficiency and conservation of resources. Refer to the Circulation Element (CIR-1.4, CIR-1.9, CIR-5.1, CIR-5.9, CIR-5.10, CIR-5.11, CIR-5.12, CIR-5.14, CIR-6.1, CIR-6.2, CIR-6.3, CIR-6.4, CIR-6.5, CIR-6.6, CIR-6.7, CIR-6.10, CIR-6.11, CIR-6.12, CIR-6.13, CIR-6.14, CIR-7.1, CIR-7.2, CIR-7.3, CIR-7.6, CIR-8.1, and CIR-8.2), Air Quality Element (Policies AQ-1.1, AQ-4.1, AQ-4.2, AQ-4.3, AQ-4.4, AQ-5.1, AQ-5.2, AQ-5.3, AQ-5.4, AQ-5.5, AQ-5.6, and AQ-5.7) and Conservation Element (Policies CSV-12.1, CSV-12.2, CSV-12.3, CSV-12.4, CSV-12.5, CSV-12.6, CSV-12.7, CSV-12.8, CSV-14.1, CSV-14.2, CSV-14.3, CSV-14.4, CSV-15-1, CSV-15.2, CSV-15.4, CSV-15.6, and CSV-15.7).
G6	Encourage land use and growth patterns that complement our transportation investments.	Consistent. The proposed Land Use Policy Map focuses land use changes and growth within key areas of the City. These Focus Areas are primarily located along existing transportation corridors. Although roadway improvements are anticipated to occur with the proposed General Plan 2035, many of the improvements have been previously identified and are associated with the growth that has already occurred or is anticipated within the City. Where new improvements are required, the proposed General Plan 2035 provides policies to provide for investment to serve future growth. Refer to the Circulation Element (Policies CIR-4.1, CIR-4.2, and CIR-4.3).

Table 5.1-2 [continued]
Proposed General Plan 2035 Consistency With SCAG's 2008 Regional Transportation Plan (RTP)

SCAG RTP Goals		Consistency Statement
G7	Maximize the security of our transportation system through improved system monitoring, rapid recovery planning, and coordination with security agencies.	Consistent. Emergency responses are coordinated as necessary between Federal, State, and local governmental authorities and private persons through the Murrieta Emergency Operations Plan (EOP). The City's EOP addresses the planned response to extraordinary emergency situations associated with natural disasters, national security emergencies, and technological incidents affecting the City of Murrieta. The objective of the EOP is to coordinate and incorporate all the facilities and personnel of the City into an efficient organization capable of responding effectively to all disasters and emergencies. It also facilitates multi-agency and multi-jurisdictional coordination, particularly between the City of Murrieta and Riverside County, special districts, and State agencies, in emergency operations. The proposed General Plan 2035 includes policies to address emergency management within the City and encourage coordination with other agencies involved in emergency response and recover. Refer to the Safety Element (Policies SAF-12.1, SAF-12.2, SAF-12.3, SAF-12.4, SAF-12.5, SAF-12.6, and SAF-12.7).

As summarized in *Table 5.1-2*, the proposed General Plan 2035 would be consistent with the goals identified in SCAG's 2008 RTP.

The proposed General Plan 2035's consistency with SCAG's Compass Growth Visioning Regional Growth Principles are assessed in *Table 5.1-3*, *Proposed General Plan 2035 Consistency with SCAG's Compass Growth Visioning Regional Growth Principles*.

Table 5.1-3
Proposed General Plan 2035 Consistency with SCAG's Compass Growth Visioning Regional Growth Principles

Growth Visioning Principles		Consistency Statement
Principle 1: Improve mobility for all residents.		
GV P1.1	Encourage transportation investments and land use decisions that are mutually supportive.	Consistent. The Land Use and Circulation Elements of the proposed General Plan 2035 provide policies that encourage transportation investments and land use decisions that are mutually supportive by ensuring transportation infrastructure is in place to support growth associated with the proposed General Plan 2035. Refer to the Land Use Element (Policies LU-1.6, LU-1.7, LU-1.8, and LU-25.1) and Circulation Element (Policies CIR-1.1, CIR-4.1, CIR-4.2, and CIR-4.3).

Table 5.1-3 [continued]
Proposed General Plan 2035 Consistency with SCAG's Compass Growth Visioning Regional Growth Principles

Growth Visioning Principles		Consistency Statement
GP P1.2	Locate new housing near existing jobs and new jobs near existing housing.	Consistent. One of the key priorities of the proposed General Plan 2035 is economic development and the provision of jobs within Murrieta. Policies within the Land Use Element support the placement of new housing near existing and potential jobs, as well as new jobs near existing housing. Refer to the Land Use Element (Policies LU-4.3, LU-8.1, LU-8.2, and LU-24.3).
GV P1.3	Encourage transit-oriented development.	Consistent. The proposed General Plan 2035 encourages the siting and development of regional transit (Metrolink and/or High Speed Rail) within the City. In support of this, the proposed General Plan 2035 establishes policies that provide opportunities for mixed-use and transit-oriented development. Refer to the Land Use Element (Policies LU-8.1, LU-8.2, LU-8.5, LU-8.6, and LU-8.7) and Economic Development Element (ED-1.3 and ED-5.1).
GV P1.4	Promote a variety of travel choices.	Consistent. The proposed General Plan 2035 promotes a variety of travel choices, including motorized and non-motorized modes, such as transit, pedestrian, and bicycles. Refer to the Circulation Element (Policies CIR-2.3, CIR-2.12, CIR-2.13, CIR-5.9, CIR-5.10, CIR-5.11, CIR-6.1, CIR-6.2, CIR-6.4, CIR-6.5, CIR-6.6, CIR-6.7, CIR-6.10, CIR-7.1, CIR-7.6, CIR-8.1, CIR-8.2, and CIR-8.11).
Principle 2: Foster livability in all communities.		
GV P2.1	Promote infill development and redevelopment to revitalize existing communities.	Consistent. The proposed General Plan 2035 focuses land use changes and growth within key areas of the City. These Focus Areas are primarily located adjacent to major transportation and/or business/retail corridors and include areas suitable for major land development and redevelopment to carry out the economic development priorities of the City. Existing and/or future projects within these areas provide a catalyst for new land use and development opportunities. Refer to the Land Use Element (Policies LU-1.6, LU-5.1, LU-7.1, LU-7.2, LU-7.6, LU-9.8, LU-12.1, LU-12.2, LU-13.1, LU-14.1, LU-14.2, LU-14.3, LU-14.4, LU-14.5, LU-15.4, LU-15.5, LU-16.1, LU-17.1, LU-24.3, and LU-24.6).
GV P2.2	Promote developments, which provide a mix of uses.	Consistent. The proposed General Plan 2035 establishes a mixed use land use designation and the policy framework to promote mixed use developments. Refer to the Land Use Element (Policies LU-8.1, LU-8.2, LU-8.5, LU-8.6, LU-8.7, LU-8.8, and LU-24.6).
GV P2.3	Promote "people scaled", walkable communities.	Consistent. The proposed General Plan 2035 encourages and promotes walking within the City through the proposed Land Use Plan as well as policies that promote a walkable community. Refer to the Land Use Element (Policies LU-8.4, LU-9.1, LU-9.2, LU-9.3, LU-9.4, LU-9.5, LU-9.6, LU-9.7, LU-10.1, LU-10.2, LU-10.3, LU-10.4, LU-10.5, LU-10.6, LU-10.7, LU-10.8, LU-10.9, LU-24.2, LU-24.6) and the Circulation Element (Policies CIR-2.10, CIR-2.11, CIR-2.12, CIR-3.2, CIR-3.4, CIR-6.6, CIR-7.1, CIR-7.2, CIR-7.3, CIR-7.4, CIR-7.5, CIR-7.7, CIR-8.3, CIR-8.7, CIR-8.8, CIR-8.9, and CIR-8.10).

Table 5.1-3 [continued]
Proposed General Plan 2035 Consistency with SCAG's Compass Growth Visioning Regional Growth Principles

Growth Visioning Principles		Consistency Statement
GV P2.4	Support the preservation of stable, single-family neighborhoods.	Consistent. The City of Murrieta is primarily developed with single-family residential neighborhoods. The proposed General Plan 2035 supports the continued preservation of these neighborhoods. Refer to the Land Use Element (Policies LU-3.1, LU-3.2, LU-3.3, LU-3.4, LU-3.5, LU-8.3, LU-11.4, LU-15.1, LU-15.2, LU-18.1, LU-18.2, and LU-20.4).
Principle 3: Enable prosperity for all people.		
GV P3.1	Provide, in each community, a variety of housing types to meet the housing needs of all income levels.	Consistent. The City is currently in the process of updating their Housing Element. The Housing Element identifies goals, policies, and programs to provide housing consistent with the Regional Housing Needs Assessment (RHNA), which includes a variety of housing types to meet the housing needs of all income levels. Additionally, the proposed General Plan 2035 includes policies to provide a variety of housing types to meet the community's needs. Refer to the Land Use Element (Policies LU-1.2, LU-1.3, LU-4.1, LU-4.2, LU-8.1, and LU-8.6) and the Economic Development Element (Policies ED-5.3 and ED-5.4).
GV P3.2	Support educational opportunities that promote balanced growth.	Consistent. The proposed General Plan 2035 includes polices that support and encourage educational opportunities, including the potential for higher education facilities to locate within the City. Refer to the Land Use Element (Policy LU-9.8) and Economic Development Element (Policies ED-6.1, ED-6.2, ED-6.3, and ED-6.4).
GV P3.3	Ensure environmental justice regardless of race, ethnicity or income class.	Consistent. The proposed General Plan 2035 would provide housing opportunities for a range of income levels, as well as provide jobs within the local area irrespective of race, ethnicity, or income class. The Land Use Policy Map provides for residential and non-residential development that can accommodate growth anticipated through the year 2035. Goals and policies throughout the proposed General Plan 2035 ensure new development takes into consideration the surrounding environment and is compatible with existing and/or planned uses. Also, refer to consistency analysis for GV P3.1.
GV P3.4	Support local and state fiscal policies that encourage balanced growth.	Consistent. The proposed General Plan 2035 would support local and State fiscal policies that encourage balanced growth, including ensuring growth is managed and the fiscal implications of land use decisions are considered, as well as coordination with regional agencies to ensure local issues are addressed at the regional level. Refer to the Land Use Element (Policies LU-1.6, LU-1.7, LU-1.8, LU-25.1, LU-25.3, LU-25.5, LU-26.1, and LU-26.2) and the Economic Development Element (ED-2.3, ED-2.7, ED-2.8, ED-2.9, ED-9.1, ED-9.2, and ED-9.3).

Table 5.1-3 [continued]
Proposed General Plan 2035 Consistency with SCAG's Compass Growth Visioning Regional Growth Principles

Growth Visioning Principles		Consistency Statement
GV P3.5	Encourage civic engagement.	Consistent. The City of Murrieta held a number of formal and informal opportunities for residents, business owners, property owners, and other stakeholders to share their visions for the future of Murrieta and provide input throughout the General Plan 2035 process. In addition to community-wide workshops, land-use area meetings were conducted to obtain input on land use changes within specific areas of the City. Joint Planning Commission and City Council workshops also provided opportunities for community input. Other opportunities included community surveys, "information centers" at City Hall and the Library, presentations to business groups, and staffed tables at local retailers (Wal-Mart) and the City's Recreation Expo. Outreach continued throughout the process with updates to the project website, press releases, and email newsletters. The comments and feedback received during the community involvement process have resulted in ten community priorities established for the proposed General Plan 2035. These priorities describe the vision that members of the public provided for the future of their community, which guided the goals and policies in the proposed General Plan 2035 .
Principle 4: Promote sustainability for future generations.		
GV P4.1	Preserve rural, agricultural, recreational, and environmentally sensitive areas.	Consistent. The proposed General Plan 2035 supports the preservation of rural, agricultural, recreational, and environmentally sensitive areas. Refer to the Land Use Element (Policies LU-2.1, LU-2.2, LU-20.2, LU-20.3, LU-20.6, LU-20.7, LU-20.9, and LU-20.10), the Conservation Element (Policies CSV-8.1, CSV-8.2, CSV-8.3, CSV-8.4, CSV-8.5, CSV-8.6 and CSV-8.7), and the Recreation and Open Space Element (Policies ROS-7.1, ROS-7.2, ROS-7.3, and ROS-7.4).
GV P4.2	Focus development in urban centers and existing cities.	Consistent. The proposed General Plan 2035 focuses growth and development within the City limits and along key transportation and retail/business corridors of the City. Growth and development is focused in key areas to build upon existing and/or planned development and in areas identified for prime economic development opportunities.
GV P4.3	Develop strategies to accommodate growth that uses resources efficiently, eliminate pollution and significantly reduce waste.	Consistent. A key priority of the proposed General Plan 2035 is to promote economic development, including the influx of jobs to the City. Higher skilled and higher wage jobs will provide opportunities for existing residents to work within the City and potentially reduce the need for people to commute outside of the area. Additionally, the Conservation Element includes policies that promote the efficient use of resources and reduction of waste, while the Air Quality Element addresses pollution. Refer to the Conservation Element (Policies CSV-12.1, CSV-12.2, CSV-12.3, CSV-12.4, CSV-12.5, CSV-12.6, CSV-12.7, CSV-12.8, CSV-13.1, CSV-13.2, CSV-13.3, CSV-13.4, CSV-13.5, CSV-13.6, CSV-13.7, CSV-14.1, CSV-14.2, CSV-14.3, and CSV-14.4) and the Air Quality Element (Policies AQ-1.1, AQ-1.2, AQ-1.3, AQ-1.4, AQ-1.5, AQ-3.1, AQ-3.2, AQ-3.3, AQ-3.4, AQ-4.1, AQ-4.2, AQ-4.3, AQ-4.4, AQ-5.1, AQ-5.3, AQ-5.4, AQ-6.1, AQ-6.2, AQ-6.3, AQ-6.4, AQ-6.6, AQ-6.7, AQ-7.1, AQ-7.2, AQ-7.3, and AQ-7.4).

Table 5.1-3 [continued]
Proposed General Plan 2035 Consistency with SCAG's Compass Growth Visioning Regional Growth Principles

Growth Visioning Principles		Consistency Statement
GV P4.4	Utilize "green" development techniques.	Consistent. The proposed General Plan 2035 includes goals and policies that promote the implementation of green development techniques. Refer to Conservation Element (Policies CSV-3.4, CSV-14.1, CSV-14.2, CSV-14.3, CSV-14.4, and CSV-15.6) and Air Quality Element (Policies AQ-6.3 and AQ-6.6).

As summarized in Table 5.1-3, the proposed General Plan 2035 would be consistent with SCAG's Compass Growth Visioning Regional Growth Principles. Impacts would be less than significant in this regard.

Goals and Policies in the Proposed General Plan 2035: Refer to *Table 5.1-2* and *Table 5.1-3*.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

County of Riverside

- **THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INCONSISTENCIES WITH THE RIVERSIDE COUNTY AIRPORT LAND USE COMPATIBILITY PLAN.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: The French Valley Airport, which is a County-owned public-use airport, is located on SR-79 (Winchester Road) in unincorporated Riverside County east of Murrieta, adjacent to Temecula. The influence area for the French Valley Airport extends into the eastern portion of Murrieta. A majority of the City located within the airport influence area is within Compatibility Zones D and E. A small portion of the City generally located east of Liberty Road and South of Thompson Road is within Compatibility Zone C and a smaller area of the City generally located east of Briggs Road is located within Compatibility Zone B1. Approximately 0.01 acre is located within Zone B2; refer to *Exhibit 5.1-1*.

The existing General Plan is not consistent with the Compatibility Plan, as the General Plan land use designations do not meet the density or intensity criteria specified in the Compatibility Plan, even with the implementation of mitigation measures identified in the *French Valley Airport*

Land Use Compatibility Plan Initial Study and Mitigated Negative Declaration. Specifically, the General Plan Large Lot Residential land use designation within Compatibility Zone D allows for residential development of 0.4 to 1.0 dwelling unit per acre. Development at this intensity would be inconsistent with the Compatibility Zone D criteria, which restricts lower density development to a maximum of 0.2 dwelling units per acre. The proposed General Plan 2035 is not recommending any land use changes for the areas within the French Valley Airport Compatibility Zones. However, based on discussions with ALUC staff, it was determined that in order to be consistent with the Compatibility Zone D criteria, the Large Lot Residential land use designation would be modified to accommodate the lower density of 0.1 dwelling units per acre. Further, a policy has been included in the General Plan 2035 for properties designated as Large Lot Residential and Single-Family Residential in the General Plan that are located within Compatibility Zones C and D to submit tentative tract maps and parcel maps to the Riverside County ALUC for consistency review. The proposed Large Lot Residential density range and policy would eliminate the inconsistency that currently occurs with the ALUP.

Another inconsistency that exists within Compatibility Zone D is associated with vacant areas currently designated for Multiple Use 3 land uses. Future development of these lands, which are designated for Multiple-Family or Commercial uses, could exceed the average and single acre intensity criteria of 150 and 450, respectively. As stated, the proposed General Plan 2035 is not recommending land use changes for the areas within the French Valley Airport Compatibility Zones, with the exception of changing parcels that were designated as Multiple Use 3 to reflect their current site development of Multiple Family or Commercial uses. Thus, this existing inconsistency would remain with the General Plan 2035. However, based on discussions with ALUC staff, in order to be consistent with the ALUP a policy has been included in the General Plan 2035 for proposed commercial developments and places of assembly within Compatibility Zones B1, C, and D to be submitted to the ALUC for consistency review. A policy is also proposed to address the open space provisions as determined by the respective Compatibility Zone. The proposed policies would eliminate the inconsistency that currently occurs with the ALUP.

It should be noted that the proposed General Plan 2035 does not propose site-specific development at this time. It is anticipated that future development projects within the Airport Zones would be reviewed on a project-by-project basis to determine the proposed development's consistency with the Compatibility Plan. Further, the proposed General Plan 2035 includes policies that promote land use compatibility and protection of the public from potential impacts associated with the French Valley Airport and ensures consultation and coordination with the Riverside County Airport Land Use Commission in the development and review of the French Valley Airport Land Use Plan and other planning and environmental studies.

Refer also to *Section 5.6*, *Noise* and *Section 5.14*, *Hazards and Hazardous Materials*, for additional analysis regarding potential noise and safety impacts associated with the proposed General Plan 2035 and French Valley Airport.

As noted previously, a local agency general plan or specific plan that includes areas covered by an adopted ALUCP must submit its general plan or specific plan (or any amendments thereto) to the ALUC for a consistency determination. If the general plan or specific plan is considered inconsistent with the ALUCP, the local agency's governing body may "overrule" the ALUC's inconsistency determination after a hearing by a two-thirds vote. In overruling the ALUC's determination, the local agency's governing body must make findings that its general plan or specific plan is consistent with the purposes of the State Aeronautics Act, as stated in *California Public Utilities Code* Section 21670.

Subsequent to issuance of the Murrieta General Plan 2035 Public Review Draft EIR, the proposed General Plan 2035 was considered by the Riverside County ALUC at his May 12, 2011 hearing for consistency with the French Valley ALUCP. The ALUC determined the Murrieta General Plan 2035 to be conditionally consistent with the French Valley ALUCP with the density modification to the Large Lot Residential Land Use designation and the inclusion of additional policies to provide for future consistency review by the ALUC for properties designated Large Lot Residential and Single-Family Residential in the General Plan Compatibility Zones C and D and for properties proposing commercial development and places of assembly within Compatibility Zones B1, C, and D, and for properties to provide the appropriate open space in compliance with the applicable Compatibility Zone (Policies LU-25.10, LU-25.11, and LU-25.12). Thus, the proposed General Plan 2035 would not result in inconsistencies with the Riverside County ALUCP for the French Valley Airport. Impacts would be less than significant in this regard.

Goals and Policies in the Proposed General Plan 2035:

Goal LU-25 Collaboration with Federal, State, County, and other regional agencies and authorities to ensure compliance with existing and future legislation that affects the City of Murrieta.

Policies

LU-25.8 Establish land use patterns that protect the public from impacts (noise, potential accidents) associated with the French Valley Airport, through the following:

- Consult with the Riverside County Airport Land Use Commission to ensure consistency with the scope and intent of the Airport Land Use Commission Law.
- Allow development in accordance with the Riverside County Airport Land Use Compatibility Plan and the French Valley Airport Compatibility Zones.
- Prohibit structures that are determined to be a “hazard” by the Federal Aviation Administration within the Riverside County Airport Land Use Compatibility Plan.
- Monitor legislation and regulations established by the Riverside County Airport Land Use Commission.

LU-25.9 Work closely with the Riverside County Airport Land Use Commission and other involved agencies in the development and review of the French Valley Airport Land Use Plan and other planning and environmental studies.

LU-25.10 Submit tentative tract maps and parcels maps to the Riverside County Airport Land Use Commission for consistency review. This is applicable to properties designated as Large Lot Residential and Single-Family Residential in the General Plan and that are located within Compatibility Zones C and D in the French Valley Airport Land Use Compatibility Plan.

LU-25.11 Submit commercial development and places of assembly to the Riverside County Airport Land Use Commission for consistency review with the applicable average and single-acre population intensity limits in the French Valley Airport Land Use Compatibility Plan for properties within Compatibility Zones B1, C, and D.

LU-25.12 Require new development that is 10 acres or larger in area incorporate open space area in compliance with the Riverside County Airport Land Use Compatibility Plan Section 4.2.4 and in compliance with the applicable compatibility zones requirements in the French Valley Airport Land Use Compatibility Plan.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

■ THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INCONSISTENCIES WITH THE WESTERN RIVERSIDE COUNTY MULTIPLE SPECIES HABITAT CONSERVATION PLAN.

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Portions of the MSHCP Reserve Area extend into the City and the Sphere of Influence; refer to *Exhibit 5.10-2*. The reserve is intended to protect sensitive plant and wildlife species and their habitats pursuant to the Western Riverside County MSHCP. The conceptual conservation scenario for the MSHCP Reserve Area is based on existing conserved lands, undeveloped land (Core Areas), and identified potential Linkages between the Core Areas. *Exhibit 5.10-1* illustrates the existing Conserved Lands and the Proposed Linkages and Cores.

Section 5.10, Biological Resources, analyzes the proposed General Plan 2035's consistency with the MSHCP. As indicated in Section 5.10, future development within the City, including the Focus Areas may occur within the Proposed Linkages and Cores. The City of Murrieta approved the MSHCP and is a local Permittee under the MSHCP. As such, the City has the authority to meet the conservation planning obligations for its jurisdiction. Future development would

undergo environmental and design review on a project-by-project basis, in order to confirm consistency with the MSHCP Species Conservation Guidelines and Area Plan Conservation Criteria.

The proposed General Plan 2035 establishes goals and policies to address compliance with the Western Riverside County MSHCP. All future development would be subject to compliance with the goals and policies identified in the proposed General Plan 2035. Therefore, future development according to the proposed General Plan 2035 is not anticipated to conflict with the provisions of the Western Riverside County MSHCP. A less than significant impact would occur in this regard.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-8 Conservation of biological resources through habitat preservation and restoration, in coordination with other regional efforts and in compliance with state and federal mandates.

Policies

CSV-8.1 Continue to facilitate the conservation of habitat areas and wildlife corridors under the Western Riverside Multiple Species Habitat Conservation Plan.

CSV-8.2 Address applicable policies and regulations of regional, State, and Federal agencies to achieve common goals for preservation of habitat and the protection of threatened and endangered species.

CSV-8.5 Address Western Riverside Multiple Species Habitat Conservation Plan policies to preserve jurisdictional, wetland, vernal pool and other areas whose hydrology supports habitat and species identified for conservation in the Plan.

CSV-8.6 Address Western Riverside Multiple Species Habitat Conservation Plan policies for an urban interface, to reduce the impacts from toxics, light, noise, invasive plant species and domestic predators (pets).

CSV-8.7 Establish an implementation program to clarify procedures for implementation of the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP) Habitat Acquisition Negotiation Strategy (HANS) in the City and to provide incentives to facilitate conservation with the MSHCP while recognizing private property rights.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

LOCAL PLANS AND POLICIES

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN POTENTIAL INCONSISTENCY IMPACTS WITH LOCAL PLANS AND POLICIES.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Due to the comprehensive nature of land use issues, the Land Use Element may not be able to address issues in the same level of detail as other local physical planning documents, plans, and ordinances. The land use categories described in the Land Use Element of the proposed General Plan 2035 indicate general categories of allowed uses and development intensities within each land use category. Other City documents including the Development Code, Specific Plans, Master Plans, and Redevelopment Plans are used as implementation tools for the General Plan and establish more specific regulations and policies influencing development.

The proposed General Plan 2035's consistency with these plans is analyzed in *Table 5.1-4, Proposed General Plan 2035 Consistency With Local Plans or Policies*.

Table 5.1-4
Proposed General Plan 2035 Consistency With Local Plans or Policies

Plan or Policy	Consistency Statement
City of Murrieta Development Code	Consistent. The City's Development Code establishes zoning districts to implement the goals and policies of the General Plan. Murrieta continues to ensure that its legislative enactments, including zoning, are consistent with the General Plan. The General Plan 2035 proposes removal of the MU-1, MU-2, and MU-3 land use and zoning designations and the introduction of a mixed-use land use designation. Following adoption of the proposed General Plan 2035, the City's Development Code will be amended to ensure the zoning districts implement the designations identified within the General Plan and to ensure consistency with the policies described in the Land Use Element.

Table 5.1-4 (continued)
Proposed General Plan 2035 Consistency With Local Plans or Policies

Plan or Policy	Consistency Statement
Specific Plans	Consistent. The City of Murrieta currently has 12 adopted specific plans. The proposed General Plan 2035 would not involve land use changes to the existing specific plans. Currently adopted specific plan areas would remain consistent with the proposed General Plan 2035. The proposed General Plan 2035 does anticipate an update to the Historic Murrieta Specific Plan in the future to reflect new development standards and acknowledge development opportunities to achieve the vision for the area. Additionally, the proposed General Plan 2035 anticipates the creation of a specific plan for the Los Alamos Hills area. Potential revisions to the Historic Murrieta Specific Plan and any new specific plans would be required to be consistent with the proposed General Plan 2035.
Redevelopment Plan	Consistent. California State Law requires all adopted Redevelopment Plans to conform to the City General Plan. The proposed General Plan 2035 would not involve any changes that would make the Redevelopment Plans inconsistent with the proposed General Plan. Similarly, as the proposed General Plan 2035 is intended to guide future development in the City, the Redevelopment Plan adopted by the City would require consistency with the proposed General Plan 2035.
Other Plans	Consistent. Murrieta currently has several adopted framework, action, master and/or development plans addressing different areas of the City. The proposed General Plan 2035 would not result in inconsistencies associated with these plans. However, many of the plans are dated and may not fully provide for the implementation of the goals and policies identified in the proposed General Plan 2035. Subsequent to adoption of the General Plan 2035, the City will conduct a review of the various planning documents and determine whether the plans should remain in their current state, be amended, or potentially be eliminated. Additionally, the proposed General Plan 2035 has identified the need for additional planning documents. Any new plans would be required to be consistent with the proposed General Plan 2035.

Goals and Policies in the Proposed General Plan 2035:

LAND USE ELEMENT

Goal LU-8 A community that provides opportunities for mixed use and/or transit-oriented development.

Policies

LU-8.7 Amend the Development Code to implement mixed use zoning districts that provide development standards for mixed use development, which should address minimum density and intensity requirements; allowable uses; horizontal and/or vertical mix of uses, building heights; and parking standards.

Goal LU-10 A community that provides pedestrian-friendly environments for residential, commercial, business, and recreation uses.

Policies

LU-10.2 Consider preparation and adoption of a Street Master Plan that addresses walkability and streetscape.

LU-10.5 Update the Development Code to create walkability, and interesting and varied pedestrian environments.

Goal LU-12 Effective use of redevelopment as a tool for economic development and community improvement.

Policies

LU-12.3 Provide yearly review of the City's redevelopment program under the California Community Redevelopment Law to coordinate and pursue community improvement and revitalization activities.

LU-12.4 Ensure conditions of blight are evaluated, as needed, to ensure the Redevelopment Plan is reflective of community needs.

Goal LU-17 The South Murrieta Business Corridor will become a center of commerce that provides a complementary mix of high-quality business park, industrial, and office development.

Policies

LU-17.5 Update the Development Code to limit commercial uses in the Business Park and Industrial Use areas.

Goal LU-18 A mix of residential, retail, and job-creating uses

Policies

LU-18.4 Encourage Office and Research Park uses that are complementary to the Civic Center and the Historic Downtown Specific Plan.

Goal LU-19 Preparation of a Specific Plan for the Los Alamos Hills area.

Policies

LU-19.1 Bring together the property owners in the Los Alamos Hills area to determine the land area to be included in a future Specific Plan.

LU-19.2 Bring together the property owners to develop a consensus-based Specific Plan.

Goal LU-20 West of Warm Springs Creek, preserve the historic rural character of the Los Alamos Hills area by maintaining its unique environment rural style with low-density development and small rural roads while preserving natural features.

Policies

LU-20.6 Allow the keeping of personal livestock for both commercial and non-commercial purposes pursuant to the standards in the City's Development Code, and as may be modified through a Specific Plan.

Goal LU-23 A circulation system that provides adequate access for all property owners in the Los Alamos Hills area.

Policies

LU-23.1 Support the development of a circulation plan and road standards for the existing and proposed road system within the Los Alamos Hills area that reflects the land uses and development intensity within a Specific Plan.

Goal LU-27 The quality and character of the City is preserved and enhanced by compliance with relevant codes and regulations.

Policies

LU-27.1 Review the Development Code and determine which sections are outdated to meet current trends, regulations, adopted community visions, and the General Plan 2035 land use designations, and revise as necessary.

ECONOMIC DEVELOPMENT ELEMENT

Goal ED-2 A fiscally strong governance that meets the public service demands of residents and businesses.

Policies

ED-2.7 Create a program that allows long-range public facilities financing for projects that provide economic and other benefits to the City; link capital improvements with General Plan priorities as part of the annual CIP process.

ED-2.8 Include a financing plan for infrastructure and related capital improvements for large-scale development projects that are consistent and coordinated with the City master plans.

Goal ED-9 A coordinated and stable regional economic environment.

Policies

ED-9.1 Coordinate implementation efforts with other economic development programs carried out by other implementation agencies including, but not limited to: Murrieta Redevelopment Agency, Murrieta Chamber of Commerce, Temecula Chamber of Commerce, Riverside County Economic Development Agency, Western Riverside County Council of Governments, San Diego Association of Governments, San Diego North Economic Development Council, San Diego Regional Economic Development Corporation, Southwest California Economic Alliance, and Southwest California Economic Development Corporation.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.1.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE LAND USE IMPACTS.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: The proposed General Plan 2035 focuses on guiding the development of vacant land, specifically focusing on opportunities for economic development. Seven Focus Areas have been identified for policy focus. Of these seven areas, five have been targeted for land use change. These areas include key locations along freeway corridors that are suitable for major land development and redevelopment to carry out the City Council's economic development strategy, including areas around Loma Linda University Medical Center-Murrieta and the Murrieta Education Center. They also include rural residential areas north of Clinton Keith Road that are adjacent to major new development along I-215. The Land Use Policy Map establishes the vision for the City to focus its efforts to attract a variety of businesses and industries, higher educational institutions, and health care facilities, while preserving its existing residential areas. The proposed uses and their distribution will allow for the development of major employment areas, a commercial/mixed-use regional hub, and cohesive and compatible commercial, professional and office, and residential areas. The Land Use Policy Map, along with the Land Use and Economic Development Elements establish a foundation to bring jobs into the City, providing regional implications, such as improved air quality through reduced commuting and an improved jobs/housing balance.

As indicated in Section 5.2, Population, Housing, and Employment, although the proposed General Plan 2035 population and dwelling units would be slightly greater than projected by SCAG, the forecast growth is generally consistent. Further, the proposed General Plan 2035 accounts for the population growth and establishes goals and policies to reduce potential growth-related impacts. The purpose of the proposed General Plan 2035 and General Plan Land Use Policy Map is to encourage a compatible pattern of development. The goals and policies direct future growth and development in Murrieta, while minimizing potential land use conflicts. Additionally, the goals and policies are designed to preserve and improve existing and future physical development by providing a balance of residential and non-residential development, ensuring that adjacent land uses are compatible with one another, and effectively developing vacant parcels.

All future projects under the proposed General Plan 2035 would be required to mitigate land use impacts on a project-by-project basis. Therefore the incremental impact of the proposed General Plan 2035, when considered in combination with development within the subregion, would not result in cumulatively considerable land use impacts. In addition, the land use changes anticipated under the proposed General Plan 2035 would accommodate the growth projections identified by SCAG; thus cumulative land use impacts are not anticipated. Further, projects within the SCAG region that are regionally significant, as determined by SCAG, would be reviewed for conformity with regional goals for population, housing, employment, mobility and air quality, further reducing potential cumulative impacts to a less than significant level.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.1.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.1.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Land Use impacts associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goals and policies in the proposed General Plan 2035. No significant unavoidable land use impacts would occur as a result of buildout of the proposed General Plan 2035.

5.1.7 SOURCES CITED

City of Murrieta GIS Parcel Data, 2009.

City of Murrieta General Plan/Zoning Map, Adopted July 20, 1999 and Amended February 7, 2006.

City of Murrieta Golden Triangle Development Framework Plan, adopted February 16, 1999, effective March 18, 1999.

Copper Canyon Specific Plan EIR, Adopted April 26, 1996.

County of Riverside Tax Assessor Data, 2009.

Creekside Village Specific Plan, August 2003.

Creekside Village Specific Plan EIR Volume I and II, May 2002.

Domenigoni-Barton Specific Plan Final SP and Final EIR, December 2004.

French Valley Airport Land Use Compatibility Plan Initial Study and Mitigated Negative Declaration, September 2007.

Golden City Specific Plan Substantial Conformance #1, August 15, 2005.

Greer Ranch Specific Plan & EIR, April 6, 1995 and June 23, 2000.

Greer Ranch Specific Plan EIR Volume I and II, October 1994.

Historic Murrieta Specific Plan Mitigated Negative Declaration, January 1997.

Historic Murrieta Specific Plan, October 30, 2000.

Murrieta Highlands Specific Plan Substantial Conformance No. 1, December 2001.

Murrieta Oaks Specific Plan, July 2000.

Murrieta Springs Mall Specific Plan No. 276, Adopted October 30, 1990.

Murrieta Springs Specific Plan (SP 309) and EIR No. 408, June 25, 2002.

RBF Consulting, *City of Murrieta General Plan 2035*, Draft January 2010.

Redevelopment Plan for the Murrieta Redevelopment Project as Amended by the 2006 Amendment, Murrieta Redevelopment Agency, June 2006.

Riverside County Airport Land Use Commission, Staff Report, May 12, 2011.

Riverside County Airport Land Use Compatibility Plan Volume I Policy Document, October 14, 2004.

Riverside County Airport Land Use Compatibility Plan Volume I Policy Document, Chapter 15 – French Valley Airport, Adopted October 2007.

South Coast Air Quality Management Plan (SCAQMP), Adopted June 1, 2007.

The Vineyards Specific Plan and EIR Substantial Conformance No. 1, June 13, 1989.

The Vineyards Specific Plan Substantial Conformance No. 4, 1992.

Western Riverside County Multiple Species Habitat Conservation Plan, June 2003.

the future of southern california
Murrieta
General Plan Update

Section 5.2:

Population, Employment, and Housing

5.2 POPULATION, HOUSING, AND EMPLOYMENT

This section identifies the existing population, housing, and employment statistics for the City of Murrieta (City) and provides an analysis of potential impacts that may result from implementation of the proposed General Plan 2035 under buildout conditions. More specifically, the impact analysis evaluates how buildout of the proposed General Plan 2035 would induce population growth in the City, either directly or indirectly. The primary sources of data presented in this section are the Southern California Association of Governments, U.S. Census 1990 and 2000, and California Department of Finance.

5.2.1 REGULATORY SETTING

SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS

The Southern California Association of Governments (SCAG) is the responsible agency for developing and adopting regional housing, population, and employment growth forecasts for local governments from Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura counties. To facilitate regional planning efforts, SCAG's planning area is further organized into 14 subregions. The City of Murrieta is one of 15 Riverside County cities located in the Western Riverside Council of Governments (WRCOG) subregion.

Current regional growth forecasts are included in SCAG's *2008 Regional Transportation Plan* (RTP), adopted March 6, 2008. The forecasts included in SCAG's RTP are provided by the Riverside County Center for Demographic Research. SCAG's demographic data is developed to enable the proper planning of infrastructure and facilities to adequately meet the needs of the anticipated growth. Growth forecasts contained in the RTP for the County of Riverside, the WRCOG, and the City of Murrieta are used in this section in order to analyze population, housing, and employment forecasts.

REGIONAL HOUSING NEEDS ASSESSMENT (RHNA)

State law requires that jurisdictions provide their fair share of regional housing needs. The State of California Department of Housing and Community Development (HCD) is mandated to determine the state-wide housing need. In cooperation with HCD, local governments and councils of governments (COGs) are charged with making a determination of the existing and projected housing need as a share of the state-wide housing need of their city or region.

The housing construction need is determined for four broad household income categories: very low (households making less than 50 percent of median family income), low (50 to 80 percent of median family income), moderate (80 to 120 percent of median family income), and above moderate (more than 120 percent of median family income). The intent of the future needs allocation by income groups is to relieve the undue concentration of very low and low-income households in a single jurisdiction and to help allocate resources in a fair and equitable manner.

SCAG has determined that Murrieta's Regional Housing Needs Allocation (RHNA) for the 2006-2014 planning period is 6,303 housing units, including 2,635 units within the low and very low income categories; refer to *Table 5.2-1*, *RHNA Allocation 2006-2014.*

Table 5.2-1
RHNA Allocation 2006-2014

Income Category	Housing Allocation
Very Low	1,568
Low	1,067
Moderate	1,171
Above Moderate	2,497
Total	***6,303***

Source: Southern California Association of Governments, *Final Regional Housing Need Allocation Plan – Planning Period (January 1, 2006 – June 30, 2014) for Jurisdictions within the Six-County SCAG Region*, Final July 12, 2007.

CITY OF MURRIETA GENERAL PLAN HOUSING ELEMENT

As of January 2011, the City of Murrieta was in the process of updating the Housing Element for 2008-2014. Murrieta's Housing Element is intended to ensure that the City establishes policies, procedures, and incentives in its land use planning and redevelopment activities that result in the maintenance and expansion of the housing supply to adequately accommodate households currently living and expected to live in Murrieta. The Housing Element specifies the policies that will guide City decision-making and an action program to implement housing goals through the year 2014. Ensuring that a balance of housing types, at a variety of costs is available to meet the needs of all economic segments found within Murrieta is among the City's key housing issues.

As previously noted, SCAG determined Murrieta's RHNA for the 2006-2014 planning period is 6,303 housing units; refer to *Table 5.2-1.* The RHNA uses January 1, 2006 as the baseline for growth projections for the Housing Element planning period of 2008-2014. To determine the regional housing needs for the 2008-2014 Planning Period, the needs are adjusted by the actual number of units constructed, under construction, or approved from January 1, 2006 to July 2008.

The actual numbers of housing units constructed or approved from January 1, 2006 to July 2008 are counted as "credits" towards the RHNA need. From January 1, 2006 through July 2008, there were 3,564 dwelling units (DU) constructed in Murrieta, all assumed to be Moderate and Above Moderate-Income households; refer to *Table 5.2-2*, *Adjusted RHNA Allocation 2006-2014*. In consideration of these units, the City's adjusted need for the 2006-2014 planning period is 3,002 DU, including 2,631 DU allocated for Very Low- and Low-Income households.

Table 5.2-2
Adjusted RHNA Allocations 2006-2014

Income Category	2006-2014 RHNA Need	Units Constructed or Approved[1]	Adjusted RHNA Need
Very Low	1,568	0	1,568
Low	1,067	4	1,063
Moderate	1,171	1,434	0[2]
Above Moderate	2,497	2,126	371
Total	***6,303***	***3,564***	***3,002***

1. Units constructed or approved from January 1, 2006 to July 2008.
2. Although 1,434 moderate-income units have been provided, the City may only be credited for the required allocation for each income category.

Source: Hogle-Ireland, Inc., *City of Murrieta 2008-2014 Housing Element Table 7-3, Units Accommodated on Vacant Residentially Zoned Land,* November 20, 2010.

5.2.2 ENVIRONMENTAL SETTING

POPULATION

County of Riverside

Riverside County's (County) population totaled 1,170,413 persons in 1990 and 1,545,387 persons in 2000, representing a growth rate of approximately 32 percent for this time period; refer to *Table 5.2-3*, *Population Estimates and Projections*.

As of January 2010, the County's population was an estimated 2,139,535 persons. According to SCAG, with a forecast population of approximately 3,596,680 persons by 2035, the County's population is projected to grow approximately 68 percent between 2010 and 2035.

Table 5.2-3
Population Estimates and Projections

Year	County of Riverside	City of Murrieta
1990[1]	1,170,413	18,978
2000[2]	1,545,387	44,282
2010[1]	2,139,535	101,253
1990 - 2000 Change	*+374,974*	*+25,304*
1990 - 2000 % Change	*+32.0%*	*+57.1%*
2000 - 2010 Change	*+594,148*	*+56,971*
2000 - 2010 % Change	*+38.4%*	*+128.6%*
2009/2010	2,139,535[3]	101,253[4]
2035[5]	3,596,680	127,962
2010 – 2035 Change	*+1,457,145*	*+26,709*
2010 – 2035 % Change	*+68.1%*	*+26.4%*

1. State Department of Finance and Murrieta Staff estimates
2. U.S. Census Bureau, *Census 2000*.
3. Year 2010 (State of California, Department of Finance, *E-5 Population and Housing Estimates for Cities, Counties, and the State, 2001-2010, With 2000 Benchmark*. Sacramento, California, May 2010).
4. Year 2009 (RBF Consulting, based on County of Riverside Tax Assessor's and WRCOG Subregion Socio-Economic Data).
5. Southern California Association of Governments, *2008 Regional Transportation Plan*, March 6, 2008.

City of Murrieta

As indicated in *Table 5.2-3*, the City's population was estimated at 18,978 persons in 1990 and totaled 44,282 persons in 2000, representing a population growth rate of approximately 57 percent between 1990 and 2000. As of 2009, the City's existing population totaled 101,253 persons, making it the fifth most populous City of Riverside County's 26 cities. Between 1990 and 2000, the City's population more than doubled, and doubled again between 2000 and 2010 due in large part to high levels of residential construction that occurred between 2001 and 2008.

SCAG forecasts the City's population will increase by approximately 26.4 percent between 2009 and 2035, for a total population of approximately 127,962 persons by 2035. Comparatively, the City is forecast to grow at a much lower rate between 2009 and 2035 than the County, which is forecast to more than double in size. By 2035, SCAG forecasts the City will constitute approximately 3.6 percent of the County's population.

Focus Areas

The General Plan 2035 identifies five areas targeted for land use change; which are shown on *Exhibit 3-3, General Plan 2035 Focus Areas*, and two areas for policy change. The five areas targeted for land use change include key locations along freeway corridors that are suitable for

major land development and redevelopment, and rural residential areas north of Clinton Keith Road. Accordingly, population (as well as housing and employment) data are provided in this section, in order to establish the baseline conditions within these Focus Areas.

The existing population within the Focus Areas is approximately 1,653 persons, based on a total of 551 DU and 3.0 persons per household; refer also to the Housing [Focus Areas] discussion below in Section 5.2.2.

HOUSING

County of Riverside

The County of Riverside's housing data is presented in *Table 5.2-4, Housing Inventory Estimates and Projections*. The County's housing inventory in 2000 was an estimated 584,674 DU, representing an increase of approximately 20.1 percent over the 1990 inventory of 483,847 DU. The County's housing inventory as of January 2010 totaled 784,357 DU, with a vacancy rate of 13.01 percent and an average household size of 3.084 persons. The County's housing inventory is projected to total 1,360,038 DU by 2035, representing an increase of approximately 73.4 percent between 2010 and 2035.

Table 5.2-4
Housing Inventory Estimates and Projections

Year/Description	County of Riverside	City of Murrieta
1990 Dwelling Units[1]	483,847	11093
2000 Dwelling Units[2]	584,674	14,921
1990 - 2000 Change	*+100,827*	*+3,828*
1990 - 2000 % Change	*+20.9%*	*+34.5%*
2009/2010 Dwelling Units	784,357[3]	33,750[4]
2010 Vacancy Rate[5]	13.01%	4.71%
2010 Persons per Household[5]	3.084	3.00
2035 Dwelling Units	1,360,038[6]	43,966[7]
2009/*2010 - 2035 Change*	*+575,681*	*+10,216*
2009/*2010 - 2035 % Change*	*+73.4%*	*+30.3%*

1. State Department of Finance and Murrieta Staff estimates
2. U.S. Census Bureau, Census 2000.
3. State of California, Department of Finance, *E-5 Population and Housing Estimates for Cities, Counties, and the State, 2001-2010, With 2000 Benchmark*. Sacramento, California, May 2010.
4. RBF Consulting, based on County of Riverside Tax Assessor's and WRCOG Subregion Socio-Economic Data.
5. State of California, Department of Finance, *E-5 Population and Housing Estimates for Cities, Counties, and the State, 2001-2010, With 2000 Benchmark*. Sacramento, California, May 2010.
6. Assumes 1,183,097 Households (Southern California Association of Governments, *2008 Regional Transportation Plan*, March 6, 2008) and 13.01% Vacancy Rate (DOF).
7. Assumes 41,895 Households (Southern California Association of Governments, *2008 Regional Transportation Plan*, March 6, 2008) and 4.71% Vacancy Rate (DOF).

City of Murrieta

In 2000, the City's housing inventory was an estimated 14,921 DU, representing an increase of approximately 34.5 percent over the 1990 inventory of 11,093 DU; refer to *Table 5.2-4*. Comparatively, the City's housing growth rate between 1990 and 2000 was significantly greater than the County's growth rate for the same period (20.9 percent). RBF Consulting researched County of Riverside Tax Assessor's and WRCOG Subregion Socio-Economic Data, in order to provide more precise baseline conditions, including the City's housing inventory. Results of RBF's research efforts indicate the City's 2009 housing inventory consists of 33,750 DU. Additionally, the City's average household size (3.00) was generally consistent with the County's overall household size (3.08 persons per household). SCAG projects the City's housing inventory will increase by approximately 30.3 percent between 2009 and 2035, to approximately 43,966 DU by 2035; refer to *Table 5.2-4*.

Vacancy rates are a measure of the general availability of housing. They also indicate how well the types of available units meet the housing market demand. A low vacancy rate suggests that households may have difficulty finding housing within their price range, whereas a high vacancy rate indicates that either the units available are not suited to the population's needs or there is an oversupply of housing units. The availability of vacant housing units provides households with choices of type and price to accommodate their specific needs. Low vacancy rates can result in higher prices, limited choices, and settling with inadequate housing. It may also contribute to overcrowding. A vacancy rate between 4.0 and 6.0 is considered "healthy." As indicated in *Table 5.2-4*, the City's vacancy rate as of January 2010 is 4.71 percent, which is comparable to the preferred minimum vacancy rate of 4.0 and significantly lower than the County's overall vacancy rate of 13.01 percent.

Focus Areas

A total of 551 DU are located in the Focus Areas. The residential uses existing in the Focus Areas are briefly described below.

- ***North Murrieta Business Corridor:*** The area includes rural and multi-family residential properties.
- ***Clinton Keith/Mitchell:*** This area is developed with large-lot single-family homes (and retail uses) and can be generally characterized as rural residential.
- ***Golden Triangle North (Central Murrieta):*** Portions of this area are occupied with single-family homes.
- ***South Murrieta Business Corridor:*** Scattered residential uses exist in this area. This area is primarily vacant or underutilized.

- ***Multiple Use 3 (MU-3):*** This area is developed with multi-family (and commercial) uses. There are a number of parcels that contain single-family residential or a combination of single-family and commercial uses.

- ***Historic Murrieta Specific Plan:*** The area has been developed with a range of residential (and commercial) uses. However, the predominant use in the area remains residential, with the majority of development activity occurring around Clay Street's Fountain House Hotel and the railroad station.

- ***Los Alamos Hills:*** This area includes rural residential uses primarily located west of Warm Springs Creek.

EMPLOYMENT

County of Riverside

The County's 1990 civilian labor force was an estimated 304,152 persons; refer to *Table 5.2-5, Labor Force and Employment Estimates and Projections*. In 2000, the County's civilian labor force was an estimated 651,952 persons, of which approximately 7.5 percent were unemployed. According to the U.S. Census 2000, approximately 27.8 percent of the County's labor force was employed in management, professional, and related occupations, and approximately 27.1 percent was employed in sales and office occupations. The largest industry sector in the County was educational, health, and social services. As of October 2010, the County's labor force totaled 910,900 persons, with an unemployment rate of 14.7 percent. Between 2000 and 2010, the unemployment rate almost doubled. According to SCAG projections, Riverside County's labor market is projected to increase from 784,998 jobs in 2010 to 1,413,552 jobs by 2035. The labor market's growth rate between 2010 and 2035 would be approximately 80 percent (628,524 jobs).

City of Murrieta

As indicated in *Table 5.2-5*, the City's 1990 civilian labor force totaled approximately 4,324 persons. In 2000, the City's civilian labor force totaled an estimated 19,763 persons, with an unemployment rate of 4.6 percent. According to the U.S. Census 2000, the majority (approximately 34.6 percent) were in management, professional, and related occupations. The next highest occupation category, representing approximately 30 percent, was sales and office occupations. The largest industry sector in the City was educational, health, and social services. As of October 2010, the City's labor force was an estimated 27,000 persons and the unemployment rate was 9.8 percent. The City's unemployment rate nearly doubled between 2000 and 2010.

Table 5.2-5
Labor Force and Employment Estimates and Projections

Year	County of Riverside	City of Murrieta
1990 Labor Force[1]	304,152	4,324
2000 Labor Force[2]	651,952	19,763
1990 – 2000 Change	*+347,800*	*+15,439*
1990 – 2000 % Change	*+114.4%*	*+357.0%*
1990 Unemployment Rate (Percent)[1]	6.8%	5.4%
2000 Unemployment Rate (Percent)[2]	7.5%	4.6%
2010 Labor Force[3]	910,900	27,000
2000 – 2010 Change	*+258,948*	*+7,237*
2000 – 2010 % Change	*+39.7%*	*+36.6%*
2010 Unemployment Rate (Percent)[3]	14.7%	9.8%
2010 Employment (Jobs)	784,998[4]	19,888[5]
2035 Employment (Jobs)[6]	1,413,522	31,540
2010 - 2035 Change	*+628,524*	*+10,521*
2010 – 2035 % Change	*+80.1%*	*+50.1%*

1. U.S. Census Bureau, Census 1990.
2. U.S. Census Bureau, Census 2000.
3. State of California, Employment Development Department Labor Market Information Division, *Monthly Labor Force Data for Cities and Census Designated Places (CDP) October 2010 - Preliminary, Data Not Seasonally Adjusted*, November 19, 2010.
4. Southern California Association of Governments, *2008 Regional Transportation Plan*, March 6, 2008.
5. RBF Consulting, based on County of Riverside Tax Assessor's and WRCOG Subregion Socio-Economic Data.
6. Southern California Association of Governments, *2008 Regional Transportation Plan*, March 6, 2008.

Table 5.2-6, Employment Estimates – City of Murrieta, estimates the City's current labor market (as of 2009), based on existing non-residential land uses. As indicated in *Table 5.2-6*, the City's current labor market is an estimated 19,888 jobs. According to SCAG, the City's labor market (jobs) is forecast to grow to 31,450 jobs by 2035, representing a growth rate of approximately 58.6 percent (11,652 jobs) from 2009; refer to *Table 5.2-5*.

Focus Areas

The existing employment within the Focus Areas is approximately 3,448 jobs, based on a total of 1,189,717 square feet of non-residential land uses. The majority of this employment is provided within the South Murrieta Business Corridor and Multiple Use 3 (MU-3) Focus Areas.

Table 5.2-6
Employment Estimates – City of Murrieta

Existing Land Use Designation	Existing (2009)	
	Square Feet	Employment
Residential	0	149
Multiple Use	2,767,844	4,535
Commercial	5,573,238	10,124
Industrial	2,535,677	3,657
Miscellaneous	3,100,136	1,413
Total	***13,978,895***	***19,888***
Source: RBF Consulting, based on County of Riverside Tax Assessor's and WRCOG Subregion Socio-Economic Data.		

5.2.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, population, employment, and housing impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure).
- Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere.
- Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.2.4 PROJECT IMPACTS AND MITIGATION MEASURES

POPULATION GROWTH

■ IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD INDUCE POPULATION GROWTH IN THE CITY BY ALLOWING NEW HOMES AND BUSINESSES.

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: *Table 3-3*, *General Plan 2035 Buildout*, outlines the City's designated land uses, at buildout of the proposed General Plan 2035, and indicates implementation would result in a development potential of approximately 44,484 DU. The General Plan 2035 proposes three residential land use designations, which are intended to provide a range of housing types to meet the varying needs of its residents. The following residential land use designations are established for the proposed General Plan 2035:

- Rural Residential (0.1 – 1.0 du/ac): Rural Residential provides for very-low density residential development on land that may have limited access to urban services.
- Single-Family Residential (1.1 – 10.0 du/ac): Single-Family Residential provides for traditional single-family detached and attached housing.
- Multiple-Family Residential (10.1 - 30 du/ac): Multi-Family Residential provides for attached and detached apartments and condominiums.

The buildout population projection, based on the proposed General Plan 2035, is approximately 133,452 persons.[1]

Additionally, the City's non-residential (i.e., commercial, industrial, etc.) land use development potential is approximately 50.2 million square feet. The employment projection associated with these non-residential land uses is approximately 130,153 jobs; refer to *Table 5.2-7*, *Employment Forecasts – City of Murrieta*.

[1] This population projection is based on 44,484 DU, 100 percent occupancy, and 3.0 persons per household.

Table 5.2-7
Employment Forecasts – City of Murrieta

Proposed Land Use Designation	Buildout (2035)	
	Square Feet	Employment
Residential	100,000	290
Commercial	18,683,477	36,167
Professional and Office	16,465,371	65,345
Business Park	11,403,714	23,221
Industrial	1,498,300	1,544
Civic/Institutional	1,168,369	1,829
Mixed Use	853,913	1,696
Parks and Open Space	16,508	61
Total	***50,189,652***	***130,153***

A project could induce population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure). Although existing roads and infrastructure would be improved/modified, the proposed General Plan 2035 does not involve the extension of roads or other infrastructure into undeveloped areas; refer to Section 5.4, Traffic and Circulation. The proposed General Plan 2035 would, however, involve new homes and businesses, which would induce direct growth in the City's population.

Table 5.2-8, *General Plan 2035 Compared to Existing Conditions*, compares the proposed General Plan 2035's anticipated growth in housing, population, and employment to existing conditions.

Table 5.2-8
General Plan 2035 Compared to Existing Conditions

Description	Housing (Dwelling Units)	Population (Persons)	Employment (Jobs)
General Plan 2035 Buildout (GPU)	**44,484**	**133,452[1]**	**130,153**
Existing Conditions (2009)[2]	33,750	101,253	19,878
GPU : 2009 Existing Conditions Change	+10,734	+32,199	+110,275
GPU : 2009 Existing Conditions % Change	+31.8%	+31.8%	+554.8%

1. Based on 44,484 DU, 100 percent occupancy, and 3.0 persons per household.
2. RBF Consulting, based on County of Riverside Tax Assessor's and WRCOG Subregion Socio-Economic Data.

As indicated in *Table 5.2-8*, the proposed General Plan 2035 would increase the City's existing housing inventory by approximately 10,734 DU and population by approximately 32,199 persons. Comparatively, implementation of the proposed General Plan 2035 would increase the City's existing housing inventory and population by approximately 32 percent. Additionally, the proposed General Plan 2035 would increase the City's existing employment by approximately 555 percent (110,275 jobs).

As discussed in the Land Use Element, the proposed General Plan 2035 has taken a focused development strategy that would be implemented through seven Focus Areas, with individualized approaches for each area. New growth associated with the proposed General Plan 2035 is primarily anticipated to occur within the identified Focus Areas. *Table 3-16*, *Focus Area Land Use Projections*, in the Land Use Element, details the land use projections for each Focus Area, and shows that implementation of the proposed General Plan 2035 would increase the Focus Areas' existing housing inventory by approximately 3,346 DU, the majority being developed within the Multiple Use 3 Focus Area. Additionally, implementation of the proposed General Plan 2035 would increase the Focus Areas' employment generating land uses by approximately 21.2 million square feet. *Table 5.2-9*, *Focus Area Buildout Compared to Existing Conditions*, compares the Focus Areas' anticipated growth in housing, population, and employment to existing conditions.

Table 5.2-9
Focus Area Buildout Compared to Existing Conditions

Description	Housing (Dwelling Units)	Population (Persons)	Employment (Jobs)
Focus Area Buildout (FA Buildout)	**3,897**	**11,691[1]**	**71,928**
Existing Conditions (2009)[2]	551	1,653	3,448
FA Buildout : 2009 Existing Conditions Change	+3,346	+10,038	+68,480
GPU Growth	+10,734	+32,199	+110,275
FA Buildout % Citywide Growth	+31.2%	+31.2%	+62.1%

1. Based on 3,897 DU, 100 percent occupancy, and 3.0 persons per household.
2. RBF Consulting, based on County of Riverside Tax Assessor's and WRCOG Subregion Socio-Economic Data.

As previously noted, the proposed General Plan 2035 would increase the Focus Areas' existing housing inventory by approximately 3,346 DU, with a resultant population growth of approximately 10,038 persons; refer to *Table 5.2-9*. Review of *Table 5.2-9* indicates that roughly one-third of the City's anticipated growth in population and housing would occur within the Focus Areas. Additionally, as indicated in *Table 5.2-9*, implementation of the proposed General Plan 2035 would increase the Focus Areas' existing employment by approximately 68,480 jobs.

The employment generated by the proposed General Plan 2035, approximately 110,275 new jobs, could result in direct growth in the City's population, because the potential exists for future employees and their families to relocate to the City. Estimating the number of the new employees who would relocate to the City would be highly speculative, because many factors influence personal housing location decisions (i.e., family income levels and the cost and availability of suitable housing in the local area). Therefore, the precise number of new employees who may relocate to the City or surrounding areas to fill the newly created positions is unknown. However, as discussed above, the proposed General Plan 2035 would increase the City's existing housing inventory by 3,346 DU, which could be occupied by new employees and their families relocating to the City. The population growth associated with these new dwellings is approximately 32,199 persons. Additionally, the vacancy rates of Murrieta and surrounding cities range from 4.30 to 9.94 percent, as follows:[2]

- Murrieta: 4.71 percent vacant (1,615 DU);
- Canyon Lake: 9.94 percent vacant (440 DU);
- Lake Elsinore: 7.36 percent vacant (1,200 DU);
- Temecula: 4.30 percent vacant (1,443 DU);
- Menifee: 7.64 percent vacant (2,264 DU); and
- Wildomar: 5.46 percent vacant (586 DU).

Collectively, the existing vacancies amount to approximately 7,500 DU, which could also be occupied by new employees, with resultant increases in population. Therefore, the proposed General Plan 2035 would potentially induce population growth in the area, given it would involve the development of both new homes and businesses.

Potential growth inducing impacts are also assessed based on a project's consistency with adopted plans that have addressed growth management from a local and regional standpoint. As discussed above, SCAG is the responsible agency for developing and adopting regional housing, population, and employment growth forecasts for local Riverside County governments, among other counties. SCAG provides population, household, and employment projection estimates in five-year increments from 2005 to 2035.

Table 5.2-10, *General Plan 2035 Compared to SCAG*, compares the proposed General Plan 2035's buildout projections with SCAG's 2035 housing, population, and employment forecasts for the City.

[2] State of California, Department of Finance, *E-5 Population and Housing Estimates for Cities, Counties, and the State, 2001-2010, With 2000 Benchmark*. Sacramento, California, May 2010.

Table 5.2-10
General Plan 2035 Compared to SCAG

Description	Housing (Dwelling Units)	Population (Persons)	Employment (Jobs)
General Plan 2035 Buildout (GPU)	**44,484**	**133,452[1]**	**130,153**
SCAG 2035 Projections (2035 SCAG)[2]	43,966	127,962	31,540
GPU : 2035 SCAG Difference	*518*	*5,490*	*98,613*
GPU : 2035 SCAG % Difference	*1.18%*	*4.29%*	*312.66%*

1. The population projection is based on 100 percent occupancy of the dwelling units and 3.0 persons per household.
2. Southern California Association of Governments, *2008 Regional Transportation Plan*, March 6, 2008.
3. Dwelling unit projection assumes 41,895 Households (Southern California Association of Governments, *2008 Regional Transportation Plan*, March 6, 2008) and 4.71% Vacancy Rate (DOF).

As indicated in *Table 5.2-10*, SCAG projects that the City's housing inventory will reach 43,966 DU by 2035, with a resultant population of approximately 127,962 persons. At buildout (2035), the proposed General Plan 2035 would result in a housing inventory of approximately 44,484 DU, with a resultant population of approximately 133,452 persons. Although the City's housing would be slightly (approximately 1.18 percent) greater than projected by SCAG, the forecast growth is generally consistent. Further, the proposed General Plan 2035 accounts for the population growth and establishes goals and policies to reduce potential growth-related impacts. Namely, Land Use Element establishes Goal LU-1, in order to provide a complementary balance of land uses throughout the community that meets the needs of anticipated growth. The Economic Development Element establishes Goal ED-2, in order to meet the public service demands of residents and businesses, and Goal ED-5, for an improved jobs/housing balance. In furtherance of achieving these goals, all future development within the City with potential to induce population growth, whether through the development of housing or employment generating land uses, would be subject to compliance with the proposed General Plan 2035 policies outlined below. Additionally, the forecast population growth would occur over a 25-year period, allowing for development of necessary services and infrastructure commensurate with the proposed growth. Finally, an estimated 15,000 Murrieta residents who currently commute to work in San Diego County or Orange County would likely remain in Murrieta to work due to the availability of local jobs. This would help stabilize the jobs housing balance.

It is noted that the proposed General Plan 2035 does not include an update to the City's Housing Element, since the Element is undergoing a separate update process for the planning period from January 1, 2008 through June 30, 2014. Housing Element Section 2 (Housing Plan) presents Murrieta's housing goals, policies, and programs. It is the City's Goal "to ensure that all residents have decent, safe, sanitary and affordable housing regardless of income." To this end, the Housing Element establishes the following five specific goals to guide the development, redevelopment, and preservation of a balanced inventory of housing to meet the needs of the City's present and future residents:

1. Increased opportunities for affordable housing;
2. Conservation of the City's existing housing stock;
3. Removal of constraints to the construction of affordable housing;
4. Equal housing opportunity; and
5. Identification of adequate sites to achieve a variety and diversity of housing.

All future residential development within the City would be subject to compliance with the Housing Element Policies outlined below, which provide a wide variety of programs and tools to implement the City's housing goals.

Overall, the population growth resulting from implementation of the proposed General Plan 2035 would be approximately 32 percent over existing conditions, which is considered a substantial increase. However, future development would be subject to compliance with the proposed General Plan 2035 goals and policies, and would not require substantial development of unplanned or unforeseen public services and utility/service systems. Additionally, the City's growth levels would remain generally consistent with SCAG's growth forecasts. Therefore, implementation of the proposed General Plan 2035 would result in less than significant impacts involving population growth.

Goals and Policies in the Proposed General Plan 2035:

LAND USE ELEMENT

Goal LU-1 A complementary balance of land uses throughout the community that meets the needs of existing residents and businesses as well as anticipated growth, and achieves the community's vision.

Policies

LU-1.1 Identify appropriate locations for residential and non-residential development to accommodate growth through the year 2035 on the General Plan Land Use Use Policy Map (Exhibit 3-5).

LU-1.2 Ensure future development provides for a variety of commercial, industry, and housing that serve the spectrum of incomes within the region.

LU-1.3 Establish a range of residential density and non-residential intensities to encourage a wide range of development opportunities.

LU-1.4 Provide for the development of complementary land uses, such as open space, recreation, civic, and service uses for all future residential and non-residential development.

LU-1.5 Encourage a wide variety of retail and commercial services, such as restaurants, and cultural arts/entertainment, in appropriate locations.

LU-1.6 Promote future patterns of development and land use that reduce infrastructure construction costs and make better use of existing and planned public facilities.

LU-1.7 Ensure necessary capital improvements are in place prior to new development or completed concurrently.

LU-1.8 Ensure that fiscal impacts associated with growth and change are evaluated to ensure the City's ability to provide vital services is not compromised.

LU-1.9 Discourage lands designated for employment-generating uses to be converted to other uses without careful consideration of the overall economic strategy and the jobs-housing balance implications.

ECONOMIC DEVELOPMENT ELEMENT

Goal ED-2 A fiscally strong governance that meets the public service demands of residents and businesses.

Policies

ED-2.6 Review city-sponsored programs and services to ensure that residents and businesses are provided high quality services in a cost-effective manner.

ED-2.7 Create a program that allows long-range public facilities financing for projects that provide economic and other benefits to the City; link capital improvements with General Plan priorities as part of the annual CIP process.

ED-2.8 Include a financing plan for infrastructure and related capital improvements for large-scale development projects that are consistent and coordinated with the City master plans.

ED-2.9 Maintain an updated system of development impact and processing fees and charges.

Goal ED-5 An improved jobs/housing balance.

ED-5.1 Encourage flex-tech buildings within business corridors and higher intensity office uses along freeway corridors with adequate visibility, convenient access, and future transit-oriented opportunities.

ED-5.2 Encourage the concentration of compatible employment-generating uses, such as professional office, research and development, and health-related services.

ED-5.3 Encourage a mix of housing types by price and rental ranges that are commensurate with the range of wage and household types attracted by a diversified economic base.

ED-5.4 Encourage housing that is within economic reach of all income levels and family living styles inclusive of age-restricted housing, estate and ranch properties, single-family detached, single-family attached, town homes, condominium flats, and apartments.

HOUSING ELEMENT

Policies

Policy 1.1: Provide a range of residential development types in Murrieta, including low density single-family homes, moderate density townhomes, higher density multifamily units, and residential/commercial mixed use in order to address the City's share of regional housing needs.

Policy 1.6: Encourage lot consolidation in the Historic Murrieta Specific Plan area in order to more cohesively redevelop larger areas of the City.

Policy 5.1: Identify vacant and/or underutilized parcels, throughout the City, that can accommodate a variety of housing types for all socioeconomic segments of the community.

Policy 5.2: Support the construction of new affordable housing by rezoning vacant and underdeveloped parcels to allow for higher density development.

Policy 5.5: Require that housing constructed expressly for low- and moderate-income households not be concentrated in any single portion of the City.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 and Housing Element are required.

Level of Significance After Mitigation: Not Applicable.

REPLACEMENT HOUSING

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD DISPLACE EXISTING HOUSING OR PERSONS, NECESSITATING THE CONSTRUCTION OF REPLACEMENT HOUSING.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: The General Plan 2035 would not displace existing housing or people, since no existing residential use are proposed for removed. Therefore, construction of replacement housing, as a result of displacement, would not be required.

As previously noted, the proposed General Plan 2035 would increase the City's existing employment by approximately 555 percent (110,275 jobs), creating a housing demand for the future employees. Estimating the number of the new employees who would relocate to the City would be highly speculative, because many factors influence personal housing location decisions. Therefore, the precise demand for housing created by the new employees is unknown. However, the General Plan 2035 would increase the City's existing housing inventory by 3,346 DU, which could partially satisfy the housing demand created by Murrieta's new employment. Additionally, the vacancy rates of Murrieta and surrounding cities range from 4.30 to 9.94 percent. Collectively, the existing vacancies amount to approximately 7,500 DU, which could also partially satisfy any residual housing demand created by the new employment. Therefore, the proposed General Plan 2035 would not necessitate the construction of additional housing elsewhere and a less than significant impact would occur in this regard.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.2.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 and Housing Element are required.

Level of Significance After Mitigation: Not Applicable.

5.2.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND CUMULATIVE DEVELOPMENT COULD INDUCE POPULATION GROWTH IN THE WESTERN RIVERSIDE COUNCIL OF GOVERNMENT'S SCAG SUBREGION.**

Level of Significance Before Mitigation: Less Than Significant.

Impact Analysis: Cumulative impacts in the context of population, housing, and employment are analyzed in terms of consistency with SCAG growth assumptions for the WRCOG subregion. Buildout of the proposed General Plan 2035 would contribute to regional growth with respect to population, housing, and employment. SCAG projects the WRCOG Subregion's housing inventory will reach 952,460 DU by 2035, with a resultant population of approximately 2,550,865 persons.[3] This would represent a growth rate of approximately 62 percent over the WRCOG Subregion's 2010 population estimate of 1,570,197 persons.[4] At buildout (2035), the proposed General Plan 2035 would result in a population of approximately 133,452 persons, which would comprise approximately 8.5 percent of the WRCOG Subregion's forecast population (2,550,865 persons). Implementation of the proposed General Plan 2035 would not significantly alter the subregional or regional growth rates projected by SCAG, as concluded above. The City's growth levels would remain generally consistent with the subregional forecast for 2035. Implementation of the proposed General Plan 2035 would adequately meet the housing needs of the anticipated population growth within the City. Additionally, the City's jobs to housing ratio at buildout of the proposed General Plan 2035 would be improved over existing conditions; refer to Section 7.3, Growth-Inducing Impacts. Thus, implementation of the proposed General Plan 2035 would not result in cumulatively considerable population, housing, and employment impacts.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.2.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 and Housing Element are required.

Level of Significance After Mitigation: Not Applicable.

5.2.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Population, employment, and housing impacts associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goals and policies in the proposed General Plan 2035 and Housing Element. No significant unavoidable population, employment, and housing impacts would occur as a result of buildout of the proposed General Plan 2035.

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[3] Southern California Association of Governments, *2008 Regional Transportation Plan*, March 6, 2008.

[4] State of California, Department of Finance, *E-5 Population and Housing Estimates for Cities, Counties, and the State, 2001-2010, With 2000 Benchmark*. Sacramento, California, May 2010.

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Section 5.3:
Aesthetics

5.3 AESTHETICS, LIGHT, AND GLARE

This section evaluates the City's and the Sphere of Influence's visual quality and assesses the potential for visual impacts associated with implementation of the proposed General Plan 2035. Because of its inherent subjectivity, difficulties arise in the evaluation of visual quality and the degree of impact that may result from visual change. Additionally, there are limited objectives or quantitative standards to analyze visual quality and individuals respond differently to changes in the visual environment. What may be considered an adverse visual condition to one person may represent an improved visual condition to another.

5.3.1 REGULATORY SETTING

CALIFORNIA SCENIC HIGHWAYS AND HISTORIC PARKWAYS PROGRAM

The California Scenic Highways and Historic Parkways Program was created in 1963 to preserve and protect highway corridors located in areas of outstanding natural beauty from changes that would diminish the aesthetic value of the adjacent lands. The State of California Department of Transportation (Caltrans) maintains its State Scenic Highways and Historic Parkways Program, through which segments of the State highway system are designated as being of particular scenic value or interest. A highway may be designated scenic depending upon how much of the natural landscape can be seen by travelers, the scenic quality of the landscape, and the extent to which development intrudes upon the traveler's enjoyment of the view. Interstates, state highways, byways, and parkways are eligible for designation or for recognition as eligible for designation. The Program is governed by the regulations found in the *California Streets and Highways Code*, Section 260 et seq.

California Streets and Highway Code Section 261 requires local government agencies to take the following actions to protect the scenic appearance of the scenic corridor:

- Regulate land use and density of development;
- Provide detailed land and site planning;
- Prohibit offsite outdoor advertising and control of on-site outdoor advertising;
- Pay careful attention to and control of earthmoving and landscaping; and,
- Scrutinize the design and appearance of structures and equipment.

California Streets and Highway Code Section 263 allows the California State Legislature the authority to identify highways as eligible for designation as a scenic highway. The government with jurisdiction over land abutting a highway considered to be scenic is required to adopt a

"scenic corridor protection program" that restricts development, outdoor advertising, and earthmoving activities along the affected segment or corridor ("Corridor Protection Program"). Caltrans must also indicate that the highway segment meets established criteria in order for the roadway or segment to be designated as scenic.

There are presently no officially designated State Scenic Highways that traverse Murrieta.[1] However, Interstate 15 (I-15), which traverses the southwestern portion of Murrieta, is an "Eligible State Scenic Highway." The status of a proposed State scenic highway can change from Eligible to Officially Designated when the local governing body applies to Caltrans for scenic highway approval, adopts a Corridor Protection Program, and receives notification that the highway has been officially designated a Scenic Highway.

COUNTY OF RIVERSIDE GENERAL PLAN

Foothills and mountainous areas are visible from many locations within the County of Riverside (County) and create a varied visual background within many local communities, including Murrieta. The *County of Riverside General Plan* (*CRGP*) acknowledges that hillside development requires careful siting, grading, and/or design measures to maintain and enhance the scenic quality of the County's aesthetic resources. The *CRGP* identifies the importance of the County's natural visual resources, including low-lying valleys, mountain ranges, rock formations, rivers, and lakes, and acknowledges that views of these features are frequently experienced by travelers along the County's roadways. The *CRGP* more specifically addresses the regulation of scenic corridors within the Circulation, Land Use, and Multipurpose Open Space Elements.

The *CRGP* Circulation Element officially recognizes several County roadways as either Eligible or Designated State or County Scenic Highways. Figure C-9 (Riverside County Scenic Highways) of the Circulation Element depicts the locations of these recognized roadways. As depicted in Figure C-9, I-15 is recognized as an Eligible State Scenic Highway and Interstate 215 (I-215) is recognized as an Eligible County Scenic Highway. The *CRGP* establishes policies to conserve the County's significant scenic resources along designated scenic highways for the long-term and to guide future development along these roadways to avoid disruption of or detraction from the existing scenic quality. It is the County's policy to preserve scenic routes that have exceptional or unique visual features in accordance with Caltrans' Scenic Highways Plan (Circulation Element Policy C 19.1).

The *CRGP* Land Use Element includes goals, objectives, and policies aimed at hillside protection to ensure that the design and appearance of proposed landscaping, structures, equipment, signage, and grading are compatible with the surrounding visual setting, and to provide long-term protection of the County's hillsides as an important aesthetic resource. The Element identifies various policies, in order to conserve significant scenic resources along

[1] State of California Department of Transportation, *California Scenic Highway Mapping System Website*, http://www.dot.ca.gov/hq/LandArch/scenic_highways/index.htm, December 20, 2010.

designated scenic highways for future generations and to manage development along scenic highways and corridors so as not to detract from the area's scenic quality.

CITY OF MURRIETA GENERAL PLAN

Murrieta's current General Plan was adopted in June 1994. The Murrieta General Plan includes goals, objectives, and policies intended to protect significant scenic resources and reinforce the importance of maintaining such resources that contribute to the unique visual and historic character of the Planning Area and surrounding environment, as future development occurs.

Regarding scenic corridors, the Conservation and Open Space Element recognizes that I-15 is an Eligible State Scenic Highway and that the City would need to process a submittal through CalTrans for finalization of the Official Scenic Highway Designation. The Element recognizes that I-215 is depicted in Figure C-9 of the County Circulation Element as an Eligible County Scenic Highway; refer to County of Riverside General Plan section above. The City would need to process a submittal through the County for finalization of the Official County Scenic Highway Designation. Additionally, the current Conservation and Open Space Element recognizes that a number of roads exist within the area which, possess individual qualities or historical significance. To this end, the Conservation and Open Space Element recommended that a focused study be conducted, in order to recognize the roads and develop conservation programs to preserve their character. The historic value of Los Alamos Road was recognized by the Murrieta City Council on July 16, 1991. In March 1992, the Riverside County Historical Commission recommended that a four-mile segment of Los Alamos Road (between Via Santee and Winchester Road) be designated as a County Historic Route. However, Los Alamos Road was removed from the City of Murrieta Circulation Plan in 2006. There is no record that the designation was made by the Historical Commission.

CITY OF MURRIETA DEVELOPMENT CODE

While the General Plan provides long-range and broad categories of land use, *Title 16* of the Murrieta *Municipal Code*, *Development Code* (*MDC*), provides specific development standards that influence the City's scenic vistas and visual character, and restrict lighting. The *MDC* implements the broad Murrieta General Plan goals and policies by classifying and regulating the specific uses of land and structures within the City. Among its many objectives, the *MDC* is intended to:

A. Implement the goals, objectives, policies and programs of the Murrieta General Plan, and to manage future growth and development in compliance with that plan;

B. Provide standards for the orderly growth and development of the City that will maintain the community's rural/nonurban characteristics in appropriate locations;

C. Require high quality planning and design for development, that enhances the visual character of the City, avoids conflicts between land uses, and preserves the scenic qualities of the City;

D. Conserve and protect the natural resources of the City, its natural beauty and significant environmental amenities;

Scenic Vistas and Visual Character

The following *MDC* chapters or sections provide regulations and standards influencing the City's scenic vistas and visual character.

MDC Chapter 16.08, *Residential Districts*

This chapter provides regulations applicable to development and new land uses in the residential zoning districts, including MDC Section 16.08.020, *Residential Districts General Development Standards*, Section 16.08.030, *Single-family Residential Design Standards and Parameters*, and Section 16.08.040, *Multi-family Residential Design Standards*.

MDC Chapter 16.10, *Commercial Districts*

This chapter provides regulations applicable to development and new land uses in the commercial zoning districts, including MDC Section 16.10.020, *Commercial District General Development Standards*, and Section 16.10.030, *Commercial Districts Design Standards*.

MDC Chapter 16.12, *Industrial Districts*

This chapter provides regulations applicable to development and new land uses in the Business Park and Industrial Districts, including MDC Section 16.12.020, *Industrial Districts General Development Standards*, and Section 16.12.030, *Industrial Zoning Districts Design Standards*.

MDC Chapter 16.14, *Special Purpose Districts*

This chapter provides regulations applicable to development and new land uses in the special purpose zoning districts, including C/I (Civic/Institutional) District, P&R (Parks and Recreation) District, PR (Private Recreation) District, OS (Open Space) District, and SP (Specific Plan) District.

MDC Chapter 16.16, *Combining and Overlay Districts*

This Chapter provides guidance for development and new land uses in addition to the standards and regulations of the primary zoning district, where important area, neighborhood, or site characteristics require particular attention in project planning.

MDC Section 16.16.10.C.1, *LAD (Los Alamos District) Overlay District*. The LAD overlay is applied to the historic district east of 1-215 and south of Los Alamos Road, including the right-of-way, to preserve the historic rural character of the neighborhood, in terms of architectural, landscape, and roadway design.

MDC Section 16.16.10.C.2, *MPO (Master Plan) Overlay District*. The MPO designation is applied to appropriate parcels with unique characteristics or circumstances that require additional development review. The MPO district is subject to the density of the base zoning district and provides for clustering of residential dwelling units (DU) within projects in compliance with the master development plan process. Certain projects in a MPO may require the preparation of a Specific Plan when the project site is of sufficient size to effectively utilize density transfers to protect and preserve significant open space areas, among other conditions.

MDC Section 16.16.10.C.3, *SHO (Scenic Highway) Overlay District*. The SHO designation is applied to the 1-15 and 1-215 corridors, as defined in the Master Plan of State Highways Eligible for Official Scenic Highway Designation, to provide protection for scenic qualities of historic significance with appropriate conservation plans.

MDC Chapter 16.18, *General Property Development and Use Standards*

The purpose of this chapter is to ensure that all development produces an environment of stable and desirable character that is harmonious with existing and future development, and protects the use and enjoyment of neighboring properties, consistent with the General Plan. The standards specified in this section that influence the visual character of a development site address the following issues, among others:

- Access;
- Equestrian and Agriculture Preservation;
- Hazardous Materials Storage;
- Height Measurement and Height Limit Exceptions;
- Lighting (refer to the *Lighting* section below);
- Mount Palomar Lighting Standards (refer to the *Lighting* section below);
- Screening and Buffering;
- Separation and Privacy Standards for Residential Structures;
- Setback Regulations and Exceptions;
- Solid Waste/Recyclable Materials Storage;
- Street Design and Improvements; and
- Undergrounding of Utilities.

MDC Chapter 16.24, *Hillside Development*

This Chapter provides regulations for the development of areas in the City that, because of their topography, require special consideration to ensure that they are developed in a way that substantially maintains their natural character and environmental and aesthetic values to implement the General Plan, among other factors, by:

- Providing guidelines and standards for development in visually sensitive hillside areas to minimize the adverse impacts of grading and to promote the goals and objectives of the General Plan;
- Maintaining an environmental equilibrium consistent with existing vegetation, wildlife, soils, geology, slopes, and drainage patterns, and to preserve natural topography and scenic character, including canyons, creeks, knolls, rock outcrops, and ridgelines whenever feasible;
- Encouraging sensitive development through flexible design and innovative arrangement of building sites by utilizing variable lot sizes, clustering, and setback variations;
- Encouraging developments that incorporate desirable existing features of land (e.g., natural vegetation, viewsheds, topographic features); and
- Providing for appropriate intensity of development (e.g., density, massing, etc.) in hillside areas through a variety of design techniques to ensure that development intensity decreases as slopes become steeper (e.g., lot sizes appropriate for steeper topography and separation of structures sufficient to preserve the viewshed).

This Chapter also provides measures for the long-term protection of existing natural topography and scenic character whenever feasible through the regulation of grading activities, intensity, and density of development proposed, structural massing, building height, and other characteristics, in order to minimize potential impacts on the existing viewshed.

MDC Section 16.24.030, *Definitions*. This Section defines prominent ridges as a ridge or hill location that is visible from I-15, I-215, or from an arterial or secondary street, that forms part of the skyline or is seen as a distinct edge against a backdrop of land.

MDC Section 16.24.060, *Hillside Development Standards*. This Section specifies the minimum standards that would apply to a use, development, or alteration of land in compliance with MDC Section 16.24.020, *Applicability*.

MDC Section 16.24.070, *Hillside Development Guidelines*. This Section specifies the guidelines that are intended to illustrate and amplify the appropriate development concepts for hillside areas. The guidelines are intended to be policy statements to encourage development that is sensitive to the unique characteristics common to hillside properties.

MDC Chapter 16.26, *Cultural Resource Preservation*

This Chapter is intended to establish a mechanism by which community resources such as buildings, structures, and sites within Murrieta, which are of pre-historic and historic interest or value, or which exhibit special elements of the City's architectural, cultural, or social heritage, are identified, protected, enhanced, perpetuated, and used in the interest of the public's health, safety, welfare, and enrichment. This Chapter is also intended to implement the provisions of the General Plan Conservation and Open Space Element.

Lighting

The following *MDC* sections regulate lighting within the City.

MDC Section 16.18.100, *Lighting*

Pursuant to this Section, exterior lighting shall be:

1. Architecturally integrated with the character of adjacent structure(s);
2. Directed downward and shielded so that glare is confined within the boundaries of the subject parcel;
3. Installed so that lights not blink, flash, or be of unusually high intensity or brightness.
4. Appropriate in height, intensity, and scale to the uses they are serving. Outside and parking lot lighting shall not exceed 0.3 footcandles at residential property lines.

As specified in MDC Section 16.18.100.C, *Shielded Lighting*, light sources shall be shielded to direct light rays onto the subject parcel only. The light source, whether bulb or tube, shall not be visible from an adjacent property. This section does not apply to residential uses, sign illumination, traffic safety lighting, or public street lighting.

MDC Section 16.18.110, *Mount Palomar Lighting Standards*

The purpose of this Section is to restrict the use of certain light fixtures emitting into the night sky undesirable light rays that have a detrimental effect on astronomical observation and research. The Dark Sky Zone is defined as the circular area 30 miles in radius centered on the Palomar Observatory. The Ordinance establishes general requirements that apply within the Dark Sky Zone pertaining to the preferred source, shielding, hours of operation, and outdoor advertising display. The Ordinance also identifies three classes of lighting (Class I, II, III) and requirement for each lamp source and shielding of light emissions for outdoor light fixtures.

MDC Section 16.34.070.I, *Development Standards for Off-Street Parking [Lighting]*

Parking areas shall have lighting capable of providing adequate illumination for security and safety. Lighting standards shall be energy-efficient and in scale with the height and use of the on-site structure(s). All illumination, including security lighting, shall be directed downward, away from adjacent properties and public rights-of-way in compliance with Section 16.18.100 (Lighting).

HISTORIC MURRIETA SPECIFIC PLAN

The Historic Murrieta Specific Plan, October 2000, provides a framework for the future enhancement and preservation of Historic Downtown Murrieta. The Specific Plan Area is bounded by Jefferson Avenue to the north; Ivy Street to the east; Hayes Avenue to the south; and, Kalmia Street to the west. The Specific Plan sets forth guidelines for design of appropriate development including architectural characteristics, site planning, parking, landscaping, and signage. The Specific Plan also identifies several gateways to Historic Murrieta of visual prominence, including Kalmia Street and Ivy Street, as well as Washington Avenue and Jefferson Avenue. A number of improvements are planned or have been made in recent years within Historic Downtown Murrieta. These improvements include design elements to enhance the overall historic theme and character, infrastructure and street improvements, recreational resources (i.e., parks), and improvements to various City facilities.

5.3.2 ENVIRONMENTAL SETTING

VIEWSHEDS AND SCENIC VISTAS

A viewshed is generally defined as an area that can be seen from a given vantage point and viewing direction. A viewshed is composed of foreground items (items closer to the viewer) that are seen in detail and background items (items at some distance from the viewer) that frame the view.

A scenic vista is generally defined as a view of undisturbed natural lands exhibiting a unique or unusual feature that comprises an important or dominant portion of the viewshed. Scenic vistas may also be represented by a particular distant view that provides visual relief from less attractive views of nearby features. Other designated Federal and State lands, as well as local open space or recreational areas, may also offer scenic vistas if they represent a valued aesthetic view within the surrounding landscape.

Natural visual resources, including mountain ranges, hillsides, low-lying valley, and streams, exist both within and surrounding the Planning Area. These features are frequently experienced from various locations within the City and by travelers along I-15, I-215, and area roadways.

Distant Vistas

The City and the Sphere of Influence are located in the southern portion of the northwest trending Temecula/Murrieta Valley, which is formed by the Elsinore Fault Zone, a series of parallel faults. Mountain ranges and rolling hillsides surround the Planning Area. The Santa Ana Mountains (and Santa Rosa Plateau) located immediately to the west of the City are the most dominant and significant visual features contributing to the area's visual quality. Other mountain ranges offering distant vistas from within the City include the San Jacinto Mountains to the east, and the Santa Margarita and Agua Tibia ranges to the south.

City Vistas

The City and the Sphere of Influence are surrounded by three foothill ranges: the Sedco Hills to the north; the Tucalota Hills (Bachelor Mountain) to the east; and the east wall of the Santa Ana Mountains' Santa Rosa Plateau to the west. Elevations within the City and the Sphere of Influence range from approximately 1,030 above mean sea level (amsl) feet in the Murrieta Valley to approximately 2,120 feet amsl in the rolling hillsides (Antelope Hills) north of the valley. The City is built on a series of plateaus, each raising the land elevation by approximately 100 feet beginning at Murrieta Creek, stepping up I-15, again at Murrieta Hot Springs Road, and finally at the Hogbacks. The Hogbacks are a prominent ridgeline that traverses the eastern portion of the City (generally east of I-215, south of Los Alamos Road, and north of Murrieta Hot Springs Road). The remaining native vegetation, which contributes to the City vistas, is concentrated in the foothills and canyons in the extreme western portion of the City, along the slopes and base of the Hogbacks, and along the northeastern hillsides. Overall, Murrieta's natural setting offers a variety of scenic views and vistas.

Extensive vistas of the Murrieta Valley to the southeast and north are afforded from the highlands in the northern portion of the City. The Hogbacks in the eastern portion of the City support areas of relatively undisturbed natural vegetation along the western slope. The Hogbacks represent a prominent visual feature within the Murrieta landscape and can be seen from many vantage points within the City and the Sphere of Influence.

Views to the Santa Rosa Plateau are afforded along Interstate I-15 and I-215, as well as from lands located to the west of the Hogbacks. Views from these locations also include the largely undisturbed ridgelines that extend to the north and south of the Plateau, combined with hillside areas supporting chaparral habitat. Oak woodland habitat and a variety of canyons are also present along the foothills of the Santa Ana Mountains contributing to the distant views.

The area in the northern portion of the City (west of I-215) includes undeveloped hillsides, canyons, drainages, and oak woodlands. This area is highly visible from I-215 and the areas to the north and south, making it a valuable scenic resource.

The area to the west/southwest of Washington Avenue and Hayes Avenue is largely built out; however, views of rolling hillsides, undeveloped lands, and tree groves are visible, with mountains providing a backdrop. The western portion of the City also supports views of hillsides, canyons, and ridgelines, adding to the scenic quality.

VISUAL CHARACTER

The City's present form (i.e., development patterns) has been influenced by its transportation infrastructure and system. Additionally, the natural and manmade elements contribute to its visual character and quality. These aesthetic elements include the native vegetation present throughout the scenic hillsides and along stream corridors, stands of large trees, historic areas, and rural residential neighborhoods.

DEVELOPMENT PATTERNS

Two freeways, I-15 and I-215, bisect the City contributing to its formation and present day character. The City's most diverse area is located east of I-15. The roadway pattern located west of I-15 and including and south of Historic Downtown Murrieta, is reflective of a standard land plotting grid system of arterial streets. North of Historic Downtown Murrieta, the pattern of arterials, collectors, and local roadways is predominantly curvilinear, reflective of more contemporary developments. The area west of I-15 is characterized as having the City's oldest settlement patterns and most of the historic resources. In addition to the historic resources, a major watercourse (i.e., Murrieta Creek), rural and single-family residential tracts, small and large retail uses, multi-family housing and the majority of the City's industrial uses are located in this area.

The area between I-15 and I-215 represents the urban core of the City. In this area, the predominant pattern of roadways is also curvilinear, reflective of more contemporary developments. In addition to multiple rural and single-family residential tracts, this area contains the California Oaks Road commercial corridor and Specific Plan 276, which is approved for a major regional commercial center and entertainment facility. In the northern extent of this area, west of I-215, Greer Ranch encompasses approximately 555 acres and is characterized by two valleys created by three northeast-southwest trending ridgelines. Approximately 35 percent of this residential development involves open space, predominately comprised of natural areas. In the northeastern portion of this area, adjacent to I-215, Murrieta Oaks encompasses approximately 260 acres and includes significant natural features, such as the ridgeline, steep hillside areas, and drainage courses. Approximately 40 percent of this residential development involves open space.

East of I-215, the roadway pattern is predominantly rural, except for the southern portion that involves more contemporary developments. This area consists of single-family tract developments, large lot estates, and open lands including a major watercourse (i.e., Warm Springs Creek). This area also includes a major portion of the Los Alamos Road corridor, which

is characteristic of Murrieta's historically rural lifestyle. The majority of residential tract housing in this area is located south of Los Alamos Road, west of Warm Springs Creek, and north of Murrieta Hot Springs Road. In the northern extent of this area, east of I-215, the Murrieta Highlands encompasses approximately 419 acres. Approximately six percent of this residential/commercial development involves open space. In the southern extent, east of I-215, Creekside Village encompasses approximately 145 acres. Approximately 13 percent of this residential development involves Warm Springs Creek and related vegetation open space.

NATURAL ELEMENTS

The City of Murrieta lies within the southern portion of the Murrieta Valley. Rolling hillsides and steep mountain slopes form part of the setting and influence the area's visual character. Approximately 32 percent (approximately 8,374 acres) of the approximately 26,852-acre City and Sphere of Influence area contains natural vegetation, including annual grassland, chaparral, coastal oak woodland, coastal scrub, riparian, and wetlands, among others. The more concentrated areas of native vegetation contributing to the area's visual character occur in the foothills and canyons in the extreme western portion of the City, along the slopes and base of the Hogbacks, which includes the Los Alamos Hills area, and along the northeastern hillsides.

Murrieta and Warm Springs Creeks course the City further contributing to the area's scenic value. Murrieta Creek forms the western boundary of the historic core of Downtown Murrieta and includes areas of established riparian vegetation. In addition, Warm Springs Creek flows through the eastern portion of the City and supports a natural environment of high scenic value. Other unique features include numerous freshwater springs and one active geothermal vent (Murrieta Hot Springs).

MANMADE ELEMENTS

The following discussion provides a general overview of the City's existing visual character, in the context of manmade elements.

Agriculture

Agricultural activities have historically influenced the City's visual character. Approximately 5,662 acres of agricultural land use (i.e., cropland, orchard, or vineyard) exists in the City and the Sphere of Influence. As the City continues to be developed, and lands are converted from agricultural uses to non-agricultural uses, areas that once supported extensive croplands have been significantly reduced and replaced by urban land uses and ornamental landscaping. Many lands that formerly supported agricultural activities presently lay fallow, and vegetative succession of pasture land and cropland back to some form of scrubland is evident in some areas.

Buildings and Structures

Approximately 64 percent of the City is developed. Single-family residential uses represent approximately 30 percent of the City, while less than six percent is developed with commercial, commercial office, industrial, and public/institutional uses; refer to *Table 3-2*, *Existing Land Use Summary*.

Historic Resources and Landmarks

In the older portions of the City, a number of historic structures and landmarks are present, contributing to the City's visual character. The City's most historically significant areas generally occur along Washington Avenue, west of I-15, and Los Alamos Road, east of I-215. Refer to Section 5.9, Cultural Resources, for a more detailed description of historic resources.

The Historic Murrieta Specific Plan Area is bounded by Jefferson Avenue to the north; Ivy Street to the east; Hayes Avenue to the south; and Kalmia Street to the west. The Specific Plan Area includes several gateways to Historic Murrieta of visual prominence, including Kalmia Street and Ivy Street, as well as Washington Avenue and Jefferson Avenue. Other elements contributing to the historic character of the area include a variety of large, mature trees, particularly along Washington Avenue.

FOCUS AREAS

The General Plan 2035 identifies five areas targeted for land use change; which are shown on *Exhibit 3-3, General Plan 2035 Focus Areas*, and two areas for policy change. The five areas targeted for land use change include key locations along freeway corridors that are suitable for major land development and redevelopment, and rural residential areas north of Clinton Keith Road. Accordingly, the following is a general overview of the Focus Areas' existing visual character, which is provided in order to establish the baseline conditions.

- ***North Murrieta Business Corridor Focus Area:*** This area is generally characterized as rural residential, including vacant, underutilized, or rural residential properties.

- ***Clinton Keith/Mitchell Focus Area:*** This area can be generally characterized as rural residential, given the presence of large-lot single-family homes. The presence of retail uses, including a regional commercial shopping center, also contributes to the area's character.

- ***Golden Triangle North (Central Murrieta) Focus Area:*** This area is characterized as mixed. Portions of this area have been developed with single-family homes or small businesses; however, the remainder is vacant. This area also includes the Crossroads Corporate Center and Rancho Springs Medical Center.

- ***South Murrieta Business Corridor Focus Area:*** The area's character is predominantly developed with business park and industrial uses; however, single-family homes are scattered throughout the area. Vacant or underutilized properties are present in this area.

- ***Multiple Use 3 (MU-3) Focus Area:*** This area is mostly developed and characterized as urban. Although, this area contains both commercial and multi-family uses, it is not characterized as a traditional mixed-use area. The individual parcels contain either 100 percent commercial or 100 percent multi-family uses. Additionally, this area contains vacant, single-family residential and underdeveloped properties.

- ***Historic Murrieta Specific Plan Focus Area:*** This area is characterized as the City's historic core, containing predominantly residential land uses. A mixture of historic commercial and residential buildings is present.

- ***Los Alamos Hills Focus Area:*** This area is characterized as rural residential, including various natural resources.

Light/Glare

Lighting affects are associated with the use of artificial light during the evening and nighttime hours. There are two primary sources of light: light emanating from building interiors passing through windows and light from exterior sources (i.e. street lighting, building illumination, security lighting, parking lot lighting, and landscape lighting). Light introduction can be a nuisance to adjacent residential areas, diminish the view of the clear night sky, and if uncontrolled, can cause disturbances. Uses such as residences and hotels are considered light sensitive since occupants have expectations of privacy during evening hours and may be subject to disturbance by bright light sources. Light spill is typically defined as the presence of unwanted light on properties adjacent to the property being illuminated. With respect to lighting, the degree of illumination may vary widely depending on the amount of light generated, height of the light sources, presence of barriers or obstructions, type of light source, and weather conditions.

Glare is primarily a daytime occurrence caused by the reflection of sunlight or artificial light by highly polished surfaces such as window glass or reflective materials and, to a lesser degree, from broad expanses of light-colored surfaces. Perceived glare is the unwanted and potentially objectionable sensation as observed by a person as they look directly into the light sources of a luminaire. Daytime glare generation is common in urban areas and is typically associated with buildings with exterior facades largely or entirely comprised of highly reflective glass. Glare can also be produced during evening and nighttime hours by the reflection of artificial light sources such as automobile headlights. Glare-sensitive uses include residences, hotels, transportation corridors, and aircraft landing corridors.

Sensitive light and glare receptors in and around the City and the Sphere of Influence are generally represented by residential uses, natural wildlife habitat areas and wildlife corridors, and open space lands adjacent to existing or planned development. In addition, the Mount Palomar Observatory, located approximately 25 miles to the southeast of the City, represents a sensitive receptor, the operation and viewing capabilities of which are highly sensitive to light generated within the surrounding region.

Within the City of Murrieta, existing light sources generally include buildings, recreational facilities (i.e. sports fields), and lighting along roadways and parking lots. Interior light emanating from a structure; exterior light sources (i.e. security lighting); or, lighting to illuminate features for safety or decorative purposes may be visible within the existing landscape. Similar light sources are located within the Sphere of Influence, but to a lesser extent.

Sunlight reflecting off of a reflective surface can result in glare effects and unsafe visual conditions that may interfere with the vision of motorists operating vehicles in the proximity or that may otherwise generally degrade scenic views. Few structures within the City and the Sphere of Influence presently exhibit highly reflective materials (i.e. high rise buildings with extensive glazing), and therefore, potential glare effects are not considered to be of major concern.

5.3.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, aesthetics and light and glare impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Have a substantial adverse effect on a scenic vista.
- Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway.
- Substantially degrade the existing visual character or quality of the site and its surroundings.
- Create new sources of substantial light or glare, which would adversely affect day or nighttime views in the area.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.3.4 PROJECT IMPACTS AND MITIGATION MEASURES

SCENIC VISTAS

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD HAVE AN ADVERSE EFFECT ON A SCENIC VISTA.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Murrieta's natural setting offers a number of vistas of scenic value, both within the City and toward distant locations. Mountain ranges and foothills are visible from many locations within the City, creating a varied visual background.

As discussed in detail in Section 3.0, Project Description, implementation of the proposed General Plan 2035 could potentially result in the development of approximately 10,734 additional dwelling units and approximately 36.2 million additional square feet of non-residential uses. This potential future development is anticipated to occur on both vacant and underutilized land throughout the City.

Distant Vistas

Given that Murrieta is surrounded by rolling hillsides and steep mountain slopes, distant vistas of surrounding significant visual features are afforded from within the City. Namely, the San Jacinto Mountains are visible to the east, the Santa Ana Mountains (and Santa Rosa Plateau) immediately to the west, and the Santa Margarita and Agua Tibia ranges to the south. It is not anticipated that implementation of the proposed General Plan 2035 would significantly impair distant views of these mountain ranges or hillsides given their distance from the City and the intervening topography and structures. Notwithstanding, due to the conceptual nature of the future development, proposals would require individual assessments of potential project-specific impacts. Therefore, future development according to the proposed General Plan 2035 is not anticipated to significantly impact distant scenic vistas.

City Vistas

Significant vistas are afforded toward three primary hillside areas within the City: in the foothills and canyons in the extreme western portion; in the eastern portion on and around the Hogbacks; and along the northeastern hillsides. As discussed in detail in Section 3.0, Project Description, the proposed General Plan 2035 has taken a focused development strategy that would be implemented through seven Focus Areas, with individualized approaches for each area. None of the Focus Areas would involve development within the City's three primary hillside areas. Therefore, future development within the proposed Focus Areas would not adversely impact the City vistas. Development is, however, anticipated elsewhere in the City consistent with the proposed General Plan 2035 Land Use Policy Map.

Approximately 36 percent of the City (approximately 7,750 acres) is currently vacant. Implementation of the proposed General Plan 2035 could adversely impact the City vistas if future development within these vacant areas results in major alterations in topography or is not sufficiently integrated with the surrounding hillside environment. However, according to the proposed General Plan 2035 Land Use Element, it is the City's goal (Goal LU-1) to provide a complementary balance of land uses throughout the community that meets the needs of existing residents and businesses as well as anticipated growth, and achieves the community's vision. To this end, the City would provide for the development of complementary land uses, such as open space, for all future residential and non-residential development (Policy LU-1.4). Accordingly, the proposed General Plan 2035 includes the Parks and Open Space Land Use Designation, which is intended to provide for the preservation of natural open spaces and maintain natural and scenic resources, among other objectives. Approximately 3,221 acres are designated Parks and Open Space, representing approximately 18 percent of the City; refer to *Table 3-16*, *General Plan 2035 Land Use Distribution*, in the Land Use Element. The Parks and Open Space designation includes lands that would remain undeveloped within the City's Planning Area. The Parks and Open Space designation is consistent with the MDC OS (Open Space) District, which is applied to appropriate areas, in order to ensure the conservation and protection of natural resources, including open space areas and steep slopes of 50 percent or more.

Additionally, pursuant to MDC Section 16.16.10.C.2, *MPO (Master Plan) Overlay District*, the MPO is applied to appropriate parcels with unique characteristics or circumstances that require additional development review. Certain projects in a MPO would require the preparation of a Specific Plan when the project site is of sufficient size to effectively utilize density transfers to protect and preserve significant open space areas. Finally, in response to its desire to preserve ridgelines and steep hillside areas for aesthetic reasons (among others), the City has also adopted MDC Chapter 16.24, *Hillside Development.* This Chapter regulates development in areas that because of their topography require special consideration to ensure that they are developed in a way that substantially maintains their natural character and aesthetic values. This Chapter also provides measures for the long-term protection of existing natural topography and scenic values whenever feasible through the regulation of grading activities, intensity/density of proposed development, structural massing, building height, and other characteristics, in order to minimize potential impacts on the existing viewshed. Hillside development standards and guidelines are established for development in the visually sensitive hillside areas, in order to minimize the adverse impacts of grading and promote the General Plan goals and policies.

Additionally, the proposed General Plan 2035 Conservation Element and Parks and Open Space Element have established goals to preserve open space. Namely, it is the City's goal (Goal CSV-5) to protect hills and ridges for their environmental and aesthetic values. It is also the City's goal (Goal ROS-7) to plan open space areas to protect, conserve, and utilize resources of unique character and value for the community. All future development would be subject to compliance with the policies outlined below, in furtherance of these City goals.

In general, future development under the proposed General Plan 2035 would be subject to compliance with the regulations, guidelines, and development review process set forth in the MDC, as well as the proposed General Plan 2035 goals and policies. These regulations and guidelines are intended to diminish conflicts between urban development and visual resources, and preserve hills and ridges. Where permitted, development on hillsides within the City would involve careful siting, grading, and design in order to minimize exposure and preserve the City's vistas. Additionally, due to the conceptual nature of the future development, proposals would require individual assessments of potential project-specific impacts to scenic vistas. If necessary, mitigation would be recommended to reduce potential impacts to a less than significant level. Therefore, future development according to the proposed General Plan 2035 is not anticipated to significantly impact the City's scenic vistas; thus impacts are considered less than significant in this regard.

Goals and Policies in the Proposed General Plan 2035:

LAND USE ELEMENT

Goal LU-1 A complementary balance of land uses throughout the community that meets the needs of existing residents and businesses as well as anticipated growth, and achieves the community's vision.

Policies

LU-1.4 Provide for the development of complementary land uses, such as open space, recreation, civic, and service uses for all future residential and non-residential development.

CONSERVATION ELEMENT

Goal CSV-5 Hills and ridges are protected for their environmental and aesthetic values.

Policies

CSV-5.1 Promote compliance with hillside development standards and guidelines to maintain the natural character and the environmental and aesthetic values of sloped areas.

CSV-5.2 Incorporate significant landform features into City parks and open space, where appropriate.

RECREATION AND OPEN SPACE ELEMENT

Goal ROS-7 Open space areas are planned to protect, conserve, and utilize resources of unique character and value for the community.

Policies

ROS-7.1 Preserve and enhance open space resources in Murrieta.

ROS-7.2 Designate open space to preserve habitat and scenic views of natural areas.

ROS-7.3 Seek opportunities to designate open space along waterways, while also providing for the development of trails.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

STATE SCENIC HIGHWAY

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD SUBSTANTIALLY DAMAGE SCENIC RESOURCES WITHIN A STATE SCENIC HIGHWAY.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Segments of the State highway system are designated as being of particular scenic value or interest through Caltrans' State Scenic Highways and Historic Parkways Program. As previously noted, there are no officially designated State Scenic Highways that traverse Murrieta. Although, I-15 is an Eligible State Scenic Highway, in order for its status to change from eligible to officially designated, the City would be required to apply to Caltrans for scenic highway approval, adopt a Corridor Protection Program, and receive notification that the highway has been officially designated a Scenic Highway. Given no officially designated State Scenic Highway traverses Murrieta, project implementation would not substantially damage scenic resources within a state scenic highway. No impact would occur in this regard.

As depicted in Riverside County Circulation Element Figure C-9 (Riverside County Scenic Highways), I-15 is recognized as an Eligible State Scenic Highway and I-215 is recognized as an Eligible County Scenic Highway. Additionally, the Riverside County Historical Commission has recommended that a four-mile segment of Los Alamos Road be designated as a County Historic Route. Finally, as discussed above, I-15 is an Eligible State Scenic Highway.

The proposed General Plan 2035 has taken a focused development strategy that would be implemented through seven Focus Areas, which are primarily located along the I-15 and I-215 corridors. Future development under the proposed General Plan 2035 would also occur on both

vacant and underutilized land throughout the City. Therefore, depending on the location of the future development, project implementation could damage scenic resources, including trees, rock outcroppings, and historic buildings, within the I-15, I-215, and Los Alamos Road corridors. However, the MDC includes overlay districts that have been applied to the I-15, I-215, and Los Alamos Road corridors. Namely, MDC Section 16.16.10.C.1, *LAD (Los Alamos District) Overlay District*, and MDC Section 16.16.10.C.3, *SHO (Scenic Highway) Overlay District*, are intended to preserve the scenic resources along these corridors. The LAD Overlay (MDC Section 16.16.10.C.1) is applied to the historic district east of 1-215 and south of Los Alamos Road, including the right-of-way, in order to preserve the historic resources. The SHO Overlay (MDC Section 16.16.10.C.3) is applied to the 1-15 and 1-215 corridors, in order to provide protection for scenic qualities of historic significance. All future development within these corridors would be subject to compliance with the general development standards and design standards established in MDC Sections 16.16.10.C.1 and 16.16.10.C.3, in addition to the standards and regulations of the primary zoning district. Therefore, following compliance with MDC Sections 16.16.10.C.1 and 16.16.10.C.3, project implementation would not substantially damage scenic resources within the I-15, I-215, and Los Alamos Road corridors. A less than significant impact would occur in this regard. Notwithstanding, due to the conceptual nature of the future development, proposals would require individual assessments of potential project-specific impacts to scenic resources along the corridors.

Goals and Policies in the Proposed General Plan 2035: No goals or policies in the proposed General Plan 2035 pertain specifically to State scenic highways.

Mitigation Measures: No mitigation measures are required.

Level of Significance After Mitigation: Not Applicable.

VISUAL CHARACTER – SHORT-TERM

- **CONSTRUCTION ACTIVITIES FOR FUTURE DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD TEMPORARILY DEGRADE THE VISUAL CHARACTER OF THE RESPECTIVE DEVELOPMENT SITE AND/OR ITS IMMEDIATE SURROUNDINGS.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Visual impacts associated with construction activities would include exposed pads and staging areas for grading, excavation, and construction equipment. In addition, temporary structures could be located on the respective development site during various stages of construction, within materials storage areas, or associated with construction debris piles on site. Exposed trenches, roadway bedding, spoils/debris piles, and steel plates would be visible

during construction of street and utility infrastructure improvements. These could degrade the existing visual character and quality of the respective development sites and their surroundings during the construction phase.

Construction-related impacts would be short-term and temporary; construction activity would not be continuous and would proceed on a project-by-project basis. Temporary screening of a particular construction staging site would partially relieve the visual distractions typically associated with construction activities commonly encountered in developed areas. Moreover, areas of construction would vary within the City such that areas of temporary visual distraction would change throughout the implementation of the General Plan 2035. Mitigation Measures AES-1, AES-2, and AES-3, which would be incorporated into construction documents, would ensure that this impact would be reduced to a less than significant level.

Goals and Policies in the Proposed General Plan 2035: No goals or policies in the proposed General Plan 2035 pertain specifically to visual character during construction.

Mitigation Measures:

AES-1 For future development located in or immediately adjacent to residentially zoned properties, construction documents shall include language that requires all construction contractors to strictly control the staging of construction equipment and the cleanliness of construction equipment stored or driven beyond the limits of the construction work area. Construction equipment shall be parked and staged within the project site, as distant from the residential use, as reasonably possible. Staging areas shall be screened from view from residential properties.

AES-2 Construction documents shall include language requiring that construction vehicles be kept clean and free of mud and dust prior to leaving the development site. Streets surrounding the development site shall be swept daily and maintained free of dirt and debris.

AES-3 Construction worker parking may be located off-site with prior approval by the City. On-street parking of construction worker vehicles on residential streets shall be prohibited.

Level of Significance After Mitigation: Less Than Significant Impact.

VISUAL CHARACTER – LONG-TERM

- **FUTURE DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD PERMANENTLY DEGRADE THE VISUAL CHARACTER OF THE RESPECTIVE DEVELOPMENT SITE AND ITS IMMEDIATE SURROUNDINGS.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: As discussed in detail in Section 3.0, Project Description, buildout according to the proposed General Plan 2035 would result in approximately 44,484 dwelling units (DU), or approximately 10,734 DU over existing conditions. Additionally, the City's non-residential (i.e., Commercial, Professional/Office, Business Park, etc.) land use development potential at buildout is approximately 50.2 million square feet, or approximately 36.2 million square feet over existing conditions. This future development is anticipated to occur on both vacant and underutilized land throughout the City.

Approximately 36 percent of the City (approximately 7,750 acres) is currently vacant. Within these vacant areas, implementation of the proposed General Plan 2035 would gradually, but permanently, alter the visual character of the respective development sites and their surroundings. Undeveloped lands would be replaced with urban improvements (i.e., structures, hardscaping, landscaping, and supporting infrastructure), in accordance with the proposed General Plan 2035 Land Use Policy Map and *MDC*. Additionally, within areas that are intended for redevelopment, the appearance of underutilized sites would be altered, as existing (and possibly aging) uses are gradually replaced with newer developments and/or different uses.

Potential change in visual character of Murrieta would primarily occur in key areas identified for development. The proposed General Plan 2035 has taken a focused development strategy that would be implemented through seven Focus Areas with individualized approaches for each area. The most significant changes in appearance associated with the residential development would occur in the Multiple Use 3 Focus Area with an estimated growth of 1,137 DU, and Clinton/Keith Mitchell Focus Area with an estimated growth of 869 DU. The most significant changes in appearance associated with non-residential development would occur in the North Murrieta Business Corridor Focus Area with an estimated growth of approximately 9.3 million square feet, or about 44 percent of the total estimated growth. Additionally, significant changes in appearance associated with non-residential development would occur in the South Murrieta Business Corridor Area with an estimated growth of approximately 5.6 million square feet, or about 27 percent of the total estimated growth.

Following is a general overview of the vision for each Focus Area and the anticipated changes in visual character.

North Murrieta Business Corridor. The vacant, underutilized, and rural residential properties located in this area would be replaced with a mix of Office and Research Park and Commercial uses. As the major employment center in the northern portion of the City, the vision for this area includes creating a signature look as the northern gateway into the City. A key feature contributing to the character of this area is the proposed Loma Linda University Medical Center. A range of building heights would be permitted within this area, including with heights of two to three stories adjacent to residential areas increasing up to maximums between five and ten stories

in more centrally located areas near the five-story Loma Linda University Medical Center, along the I-215 freeway frontage, or adjacent to business park uses.

Clinton Keith/Mitchell. A mix of Rural, Single-Family, and Multiple-Family Residential, Commercial, and Office and Research Park uses would be provided. The rural residential character would be maintained generally west of Duster Road. Building heights would be a maximum of two to three stories.

Golden Triangle North (Central Murrieta). The single-family homes would be retained, and a mix of Multiple-Family Residential, Commercial, and Office and Research Park uses would be provided. The building heights for the Office and Research Park uses could range in height up to a maximum between five and ten stories.

South Murrieta Business Corridor. The vacant and underutilized properties located in this area would be replaced with a mix of Office and Research Park, Business Park, and Industrial Uses. As the major employment center in the southern portion of the City, the vision for this area includes creating a signature look as the southern gateway into the City. The Office and Research Park buildings heights could range in height up to a maximum of five to six stories. The Business Park and Industrial would be consistent with existing business park and industrial uses, ranging from two to three stories.

Multiple Use 3 (MU-3). This area would provide a mix of Multiple-Family Residential, Commercial, and Office and Research Park uses. Parcels that are vacant or underdeveloped would change to uses that are compatible with on-site and surrounding uses.

Historic Murrieta Specific Plan. This area is characterized as the City's historic core, containing predominantly residential land uses. The City seeks to continue the preservation and enhancement of the Historic Murrieta area through continued introduction of a complementary mix of residential, retail, civic, and job-creating uses.

Los Alamos Hills. Area property owners have expressed interest in developing a Specific Plan that would to maintain the rural core of the Los Alamos community west of Warm Springs Creek, while providing certain needed local services. With a Specific Plan, property owners intend to develop a land use plan that reflects the area's rural character, while providing for transitional land uses between the rural land uses and more intense development near Winchester Road. The open space, development pattern, and circulation system established for this area is intended to maintain and preserve the majority of area as a picturesque area, whose topography and setting contribute to the rural agricultural enclave.

Overall, implementation of the proposed General Plan 2035 would lead to greater urbanization within the Focus Areas and throughout the City by localized intensification of land uses on underutilized sites and introduction of new land uses on vacant sites. However, the proposed General Plan 2035 Land Use Policy Map establishes consistent and compatible development intensities, maintaining and enhancing the overall visual character/quality of the City. As

discussed above, the proposed General Plan 2035 includes the Parks and Open Space Land Use Designation, which is intended to provide for the preservation of natural open spaces and maintain scenic resources, in order to preserve the City's visual character. The Parks and Open Space designation is consistent with the MDC OS (Open Space) District, which is applied to appropriate areas, in order to ensure the conservation and protection of natural resources.

All future development within the City would be evaluated on a project-by-project basis in order to verify compliance with the provisions of the *MDC*. Compliance with the *MDC* would ensure orderly growth and development that would maintain the community's rural/nonurban characteristics in appropriate locations. Additionally, compliance with the *MDC* would result in high quality planning and design for development, that enhances the City's visual character, avoids conflicts between land uses, and preserves the City's scenic qualities. More specifically, all future development and new land uses would be subject to the following:

- Development in the Residential, Commercial, Industrial, and Special Purpose Districts would be subject to compliance with the general development standards, and design standards and parameters outlined in MDC Chapter 16.08, *Residential Districts*, MDC Chapter 16.10, *Commercial Districts*, MDC Chapter 16.12, *Industrial Districts*, and MDC Chapter 16.14, *Special Purpose Districts*, respectively. The general development standards, and design standards and parameters address development factors that would influence the visual character/quality of a development site and its surroundings. Namely, the general development standards address parcel size and coverage, density and intensity, setbacks, and building height. For residential districts, the design standards and parameters address site planning (i.e., site character, variation of development patterns, streets, landscaping, and walls) and architectural standards (i.e., building design and materials). For non-residential districts, the design standards address site planning (i.e., site character, land use buffering, building placement, trash/loading/storage areas, and utility and mechanical equipment), and parking (i.e., project entry), and architectural design (i.e., architectural style, design consistency, form/mass, roofs, building materials, and colors).

- Development in the *MPO (Master Plan) Overlay District* (MDC Section 16.16.10.C.2) would require additional development review and potentially preparation of a Specific Plan, given the unique characteristics that exist at these locations.

- All development would be subject to compliance with general property development and use standards outlined in MDC Chapter 16.18, *General Property Development and Use Standards*, which are intended to ensure that all development produces an environment of desirable character; refer to the *MDC Chapter 16.18, General Property Development and Use Standards* section above for an outline of the issues addressed in MDC Chapter 16.18.

- All development involving resources of pre-historic and historic significance would be subject to compliance with the provisions of MDC Chapter 16.26, *Cultural Resource Preservation*, in order to protect and perpetuate the City's historic character.

The proposed General Plan 2035 Land Use Element has established various goals (Goal LU-2, Goal LU-3, Goal LU-9, Goal LU-11, Goal LU-12, Goal LU-20, Goal LU-21, Goal LU-22, and Goal LU-27) that address preservation of the community's rural heritage and character, preservation of neighborhoods, sustainable and healthy land use patterns and urban design, community design, redevelopment, land use transitions, natural resources, and Murrieta Municipal Code enforcement. The proposed General Plan 2035 Conservation Element has established goals in order to restore the aesthetic value of creeks and protect hills and ridges for their aesthetic values. Additionally, Goal ROS-7 has been established, in order to protect, conserve, and utilize resources of unique character and value for the community.

Overall, implementation of the proposed General Plan 2035 would lead to greater urbanization within the Focus Areas and throughout the City by localized intensification of land uses on underutilized sites and introduction of new land uses on vacant sites. Despite these localized changes in visual character, they are not anticipated to degrade the existing visual character/quality of the respective development sites and their surroundings. All future development within the City would be evaluated on a project-by-project basis in order to verify compliance with the proposed General Plan 2035 goals and policies, as well as the provisions of the *MDC*, which address the visual character/quality of a development site and its surroundings. Moreover, future development projects would also undergo environmental review pursuant to CEQA on a project-by-project basis, in order to evaluate the development's impact upon the visual character/quality of the site and its surroundings. Therefore, while implementation of the proposed General Plan 2035 would alter the visual character of the Focus Areas and development sites throughout the City, the changes would not be degrading and impacts would be less than significant.

Goals and Policies in the Proposed General Plan 2035:

LAND USE ELEMENT

Goal LU-2 A community that preserves its rural characteristics in appropriate locations.

Policies

LU-2.1 Provide for the keeping of horses and other livestock, as well as farming or agricultural operations, on appropriate larger lot residential property to preserve the community's heritage.

Goal LU-3 Stable, well-maintained residential neighborhoods in Murrieta.

Policies

LU-3.1 Maintain and enhance the character of single-family residential neighborhoods.

LU-3.2 Protect residential areas from the effects of potentially incompatible uses. Where new commercial or industrial development is allowed adjacent to residentially zoned districts, establish and/or maintain standards for circulation, noise, setbacks, buffer areas, landscaping and architecture, which ensure compatibility between the uses.

LU-3.3 Assure that the type and intensity of land use shall be consistent with that of the immediate neighborhood.

LU-3.4 Strive to provide a diverse mix of housing types, along with uniformly high standards of residential property maintenance to preserve residents' real estate values and their high quality of life.

LU-3.5 Prohibit uses that lead to deterioration of residential neighborhoods, or adversely impact the safety or the residential character of a residential neighborhood.

Goal LU-9 Land use patterns and urban design that support healthy and sustainable lifestyles and businesses.

Policies

LU-9.1 Encourage human-scale urban design on the neighborhood, block, and building scale.

Goal LU-10 A community that provides pedestrian-friendly environments for residential, commercial, business, and recreation uses.

Policies

LU-10.1 Prepare and use design guidelines to encourage high-quality, pedestrian-oriented design that enhances the public realm.

LU-10.2 Consider preparation and adoption of a Street Master Plan that addresses walkability and streetscape.

LU-10.5 Update the Development Code to create walkability, and interesting and varied pedestrian environments.

LU-10.7 Encourage well-designed covered or structured parking instead of surface parking lots.

LU-10.8 Encourage new surface off-street parking to be located behind or to the side of buildings, as appropriate.

LU-10.9 Encourage ground-floor structured parking to be buffered from the pedestrian environment through strategies such as wrapping the structure with active retail uses, placing entrances off the street, and screening with landscaping or art.

Goal LU-11 A community that is comprehensively designed to create a positive and distinctive City image by protecting historic resources, and by strengthening the positive qualities of the City's overall image and neighborhood identity.

Policies

LU-11.1 Study and determine areas in the City where rural character can be created, enhanced, or preserved.

LU-11.2 Endeavor to establish distinctive themes and character for individual focus areas or other areas, as appropriate, within the community.

LU-11.3 Enhance the positive qualities that give residential, commercial, and industrial areas their unique identities, while also allowing flexibility for innovative design.

LU-11.4 Preserve the unique character and integrity of the City's traditional residential neighborhoods.

LU-11.5 Improve the appearance and function of regional commercial centers through improved site design, landscaping, and architectural integrity.

LU-11.6 Seek to create unique retail spaces that are architecturally rich, pedestrian friendly, culturally sensitive, and economically viable.

LU-11.7 Prepare and implement design guidelines for special districts or areas with unique character in the City of Murrieta, as appropriate.

LU-11.8 Develop a design palette for multiple-family and mixed use buildings.

Goal LU-12 Effective use of redevelopment as a tool for economic development and community improvement.

Policies

LU-12.1 Continue to prioritize commercial, industrial, and residential revitalization within the redevelopment project area.

LU-12.2 Revitalize private and public lands in need of redevelopment or those that are underdeveloped due to lack of public facilities and revitalization.

LU-12.3 Provide yearly review of the City's redevelopment program under the California Community Redevelopment Law to coordinate and pursue community improvement and revitalization activities.

LU-12.4 Ensure conditions of blight are evaluated, as needed, to ensure the Redevelopment Plan is reflective of community needs.

Goal LU-20 West of Warm Springs Creek, preserve the historic rural character of the Los Alamos Hills area by maintaining its unique environment rural style with low-density development and small rural roads while preserving natural features.

Policies

LU-20.1 Maintain the existing 2.5-acre minimum residential parcel size west of Warm Springs Creek.

LU-20.2 Establish development standards for all new construction to ensure high quality rural development in the area west of Warm Springs Creek.

LU-20.3 Establish unifying visual elements, such as split rail fencing, mature native trees, and well-spaced homes, as a means of distinguishing the Los Alamos Hills area as a rural historic enclave within Murrieta for the area west of Warm Springs Road.

LU-20.4 Encourage the construction of homes and accessory structures, west of Warm Springs Creek that are compatible with surrounding residential uses and the rural character of the Los Alamos Hills area.

LU-20.7 Allow commercial farms, tree crops and other agricultural uses on lots of at least 2.5 acres in size consistent with Los Alamos' long history as an agricultural community.

LU-20.8 Allow for the creation of entry monuments that are rural in character to announce the arrival into the Los Alamos Hills area.

LU-20.9 Discourage features such as small lots, conventional sidewalks, or conventional street lights, west of Warm Springs Creek.

Goal LU-21 Appropriate land use transitions between rural land uses west of Warm Springs Creek and more intense land uses east of Warm Springs Creek.

Policies

LU-21.1 Consider the creation of a transitional density/intensity non-rural area to serve as a buffer area between the developments along Winchester Road and the rural residential land uses to the west of Warm Springs Creek.

Goal LU-22 Natural and visual resources are valued resources to maintain the rural character of the Los Alamos Hills.

Policies

LU-22.1 Encourage the preservation of natural and visual resources within Los Alamos Hills, such as rock outcroppings and scenic views of the local hills and valleys, to the greatest degree practicable.

LU-22.2 Encourage new construction and landscape design that utilizes grading techniques to mimic the natural terrain.

LU-22.3 Encourage development that minimizes impacts to existing water courses, mature trees, and natural features as much as possible. In those cases that these areas/features are impacted, the final design should provide adequate mitigation on-site and/or in nearby areas.

LU-22.4 Encourage healthy and structurally sound, existing groves of eucalyptus and other mature non-native trees located west of Warm Springs Creek to be considered a visual asset to the area, and should be conserved and maintained to the maximum degree practicable.

LU-22.5 Encourage new development to replace or supplement with native tree species as opportunities arise.

Goal LU-24 Historic Murrieta as the City's cultural, civic and community center.

Policies

LU-24.1 Preserve and enhance the historic Murrieta area as the governmental and cultural focal point of the City.

Goal LU-27 The quality and character of the City is preserved and enhanced by compliance with relevant codes and regulations.

Policies

LU-27.1 Review the Development Code and determine which sections are outdated to meet current trends, regulations, adopted community visions, and the General Plan 2035 land use designations, and revise as necessary.

CONSERVATION ELEMENT

Goal CSV-4 Restoration of the natural function and aesthetic value of creeks, while providing flood control measures and opportunities for recreation.

Policies

CSV-4.1 Prioritize creek preservation, restoration and/or mitigation banking along creeks as mitigation for environmental impacts.

CSV-4.2 Consider alternatives to hardlined bottoms and side slopes within flood control facilities, where technically feasible.

CSV-4.3 Preserve Warm Springs Creek and Cole Creek as a wildlife corridor, while accommodating flood control measures and passive recreation.

CSV-4.4 Retain and restore natural drainage courses and their function where health and safety are not jeopardized.

CSV-4.5 Support efforts for restoration, flood control, and recreation along Murrieta Creek, in coordination with regional and federal plans.

CSV-4.6 Seek funds and provide support for creek restoration, maintenance and protection through grant and mitigation programs, development entitlements, and non-profit organizations.

CSV-4.7 Continue to support the architectural enhancement of bridges over creeks as a scenic resource.

Goal CSV-5 Hills and ridges are protected for their environmental and aesthetic values.

Policies

CSV-5.1 Promote compliance with hillside development standards and guidelines to maintain the natural character and the environmental and aesthetic values of sloped areas.

CSV-5.2 Incorporate significant landform features into City parks and open space, where appropriate.

CSV-5.3 Maintain a register of cultural resources that includes landforms with cultural significance.

Goal CSV-9 A community that promotes the growth of an urban forest and water-efficient landscaping, recognizing that plants provide natural services such as habitat, storm water management, soil retention, air filtration, and cooling, and also have aesthetic and economic value.

Policies

CSV-9.1 Identify and protect native trees, trees of historic or cultural significance, and mature trees, consistent with the Tree Preservation Ordinance.

CSV-9.2 Consider the establishment of street tree standards and a program for street tree planting, maintenance, and replacement.

CSV-9.3 Promote the use of street trees as a buffer between pedestrians and motorized traffic.

CSV-9.4 Encourage the planting of street trees in linear planting beds rather than tree wells in order to support long-living healthy trees. (formerly hc9.3)

CSV-9.5 Encourage the planting of trees in private yards and properties.

CSV-9.6 Maintain a guide to preferred trees, shrubs, and ground cover plants of non-invasive species, or refer private parties to an existing guide that meets City needs to assist private landscaping efforts.

CSV-9.8 Encourage any new landscaped areas requiring permits to respect and incorporate the distinctive elements of the existing community landscape, including the retention of existing trees, to the maximum extent feasible.

CSV-9.9 Promote the use of native plant species in public landscaping of parks, schools, medians and planter strips, as well as in private development throughout the City.

RECREATION AND OPEN SPACE ELEMENT

Goal ROS-7 Open space areas are planned to protect, conserve, and utilize resources of unique character and value for the community.

Policies

ROS-7.1 Preserve and enhance open space resources in Murrieta.

ROS-7.2 Designate open space to preserve habitat and scenic views of natural areas.

ROS-7.3 Seek opportunities to designate open space along waterways, while also providing for the development of trails.

ROS-7.4 When possible, link open space and parks for the movement of wildlife and people.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

LIGHT AND GLARE

- **FUTURE DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD CREATE NEW SOURCES OF LIGHT/GLARE THAT COULD ADVERSELY AFFECT VIEWS IN THE AREA.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Glare is the sensation produced by luminance within the visual field that is significantly greater than the luminance to which the eyes are adapted. This can cause annoyance, discomfort, or loss in visual performance and visibility. Light pollution is caused by stray light from unshielded light sources and light reflecting off surfaces that enters the atmosphere where it illuminates and reflects off dust, debris, and water vapor to cause an effect known as "sky glow." Light pollution can substantially limit visual access to the night sky, compromise astronomical research, and adversely affect nocturnal environments.

Implementation of the proposed General Plan 2035 would allow for future development of residential and non-residential land uses within the Focus Areas and throughout the City. New development could cause light and glare impacts through new light sources such as street lighting, interior and exterior building lighting including for safety purposes, vehicle headlights, illuminated signage, traffic signals, sports field lighting, and new glare sources such as reflective building materials, roofing materials, and windows. These new sources of light and glare would be most visible from development along adjacent roadways, and to receptors such as residents and traveling motorists.

All lighting installed with future development within the City would be subject to compliance with the provisions of MDC Section 16.18.100, *Lighting*, which requires that exterior lighting be directed downward and shielded so that glare is confined within the boundaries of the subject parcel, among other requirements. Additionally, light sources would be shielded to direct light rays onto the subject parcel only, pursuant to MDC Section 16.18.100.C, *Shielded Lighting*. Additionally, all future development would be subject to compliance with MDC architectural design standards relative to building materials and colors, in order to reduce glare effects; refer to *MDC* Chapters 16.10 and 16.12.

The purpose of MDC Section 16.18.110, *Mount Palomar Lighting Standards*, is to restrict the use of certain light fixtures emitting into the night sky undesirable light rays that have a detrimental effect on astronomical observation and research. To this end, all future development within the Dark Sky Zone (the circular area 30 miles in radius centered on the Palomar Observatory) would be subject to compliance with the general, lamp source, and shielding requirements established by MDC Section 16.18.110.

Compliance with the *MDC* provisions in the lighting of future developments would ensure proper design, installation, and operation of all exterior lighting, thereby reducing the potential for glare effects, light spillover onto adjacent properties, or conflicts with the Palomar Observatory. As such, consistency with the MDC would ensure that potential impacts associated with light and glare would be less than significant. Additionally, compliance with proposed General Plan 2025 Policy LU-20.10, which addresses lighting in the Los Alamos Hills area, would further minimize potential impacts in this regard.

Goals and Policies in the Proposed General Plan 2035:

LAND USE ELEMENT

Goal LU-20 West of Warm Springs Creek, preserve the historic rural character of the Los Alamos Hills area by maintaining its unique environment rural style with low-density development and small rural roads while preserving natural features.

Policies

LU-20.10 Encourage the minimal use of outdoor lighting to maintain the nighttime dark sky in the rural Los Alamos Hills area.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

SHADE AND SHADOWS

- **FUTURE DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD CREATE SHADE AND SHADOWS THAT COULD ADVERSELY AFFECT ADJACENT LAND USES.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: New development within the City would occur on existing vacant land, through infill development on underutilized parcels, or through redevelopment of currently developed land. The proposed General Plan 2035 may allow new larger (i.e., mid-rise or high-rise) commercial, industrial, or residential structures in higher density land use designations that could create shade/shadow impacts on nearby buildings, public streets, and sidewalks, and that could effectively limit light into an adjacent yard or structure.

Future development within the City would be evaluated on a project-by-project basis in order to verify compliance with the provisions of the *MDC*. MDC Chapters 16.08, 16.10, 16.12, 16.14, and 16.18 include provisions that address potential shade and shadow affects on adjacent properties, including parcel coverage, density and intensity, setbacks, and building height and placement. Additionally, future development would undergo environmental review pursuant to CEQA on a project-by-project basis, which requires an analysis of shade and shadow impacts and incorporation of mitigation measures, as needed, to reduce potential impacts to a less than significant level. Following compliance with MDC requirements, project implementation would result in a less than significant impact involving shade and shadows.

Goals and Policies in the Proposed General Plan 2035: No goals or policies in the proposed General Plan 2035 pertain specifically to shade or shadows.

Mitigation Measures: No mitigation measures are required.

Level of Significance After Mitigation: Not Applicable.

5.3.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE AESTHETICS, LIGHT, AND GLARE IMPACTS.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Cumulative aesthetic impacts are primarily analyzed in terms of impacts within the City of Murrieta, as aesthetic impacts are primarily confined to local areas. The City is urbanized and approximately 64 percent built-out. The proposed General Plan 2035 anticipates growth within the Focus Areas and throughout the City, which would alter the City's existing visual character. Cities surrounding Murrieta are developed and urbanized with similar density and character. New development within those cities would contribute to the urban character of the region. New development would be reviewed on a project-by-project basis, in order to ensure each City's development standards are met and new development is compatible with the existing and desired regional and local urban and natural environment. Additionally, implementation of the proposed General Plan 2035 goals and policies would enhance the City's physical setting and reduce the incremental aesthetic impact on the region to a level of insignificance. Moreover, the proposed General Plan 2035 would not result in any regional aesthetic impacts that extend beyond the City's borders. The proposed Land Use, Conservation, and Recreation and Open Space Elements establish goals and policies that would preserve and improve the City's character and aesthetic quality by focusing on the natural environment and historic resources. Therefore, implementation of the proposed General Plan 2035 would not result in cumulatively considerable aesthetic impacts.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.3.

Mitigation Measures: Refer to Mitigation Measures AES-1 to AES-3. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

5.3.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Aesthetics impacts associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goals and policies in the proposed General Plan 2035, compliance with the Murrieta Development Code, and recommended mitigation measures. No significant unavoidable aesthetics impacts would occur as a result of buildout of the proposed General Plan 2035.

5.3.7 SOURCES CITED

County of Riverside General Plan

Murrieta Development Code

State of California Department of Transportation, *California Scenic Highway Mapping System Website*, http://www.dot.ca.gov/hq/LandArch/scenic_highways/index.htm, December 20, 2010.

the future of southern california
Murrieta
General Plan Update

Section 5.4

Traffic and Circulation

5.4 TRAFFIC AND CIRCULATION

This section addresses the City of Murrieta's existing traffic conditions, the impacts of future traffic growth, planned physical improvements, and additional improvements to accommodate growth. This section is based upon the *Traffic Impact Analysis* (Draft January 2011, Final September 2011), prepared by Iteris, and included as Appendix C.

5.4.1 REGULATORY SETTING

The City of Murrieta is located in southeastern Riverside County, and is comprised of 26,852 acres (41.96 square miles) of which 21,511 acres (33.61 square miles) is located within the City Limits and 5,341 acres (8.34 square miles) is located within the City's Sphere of Influence. Surrounding cities include Menifee to the north, Temecula to the south and east, Wildomar to the west, and unincorporated Riverside County to the north, south, and east. The San Diego County border is just south of Temecula, and Orange County lies on the other side of the Santa Ana Mountains to the west. Regional access to the City is provided by the Interstates 15 (I-15), the Corona Freeway, and 215 (I-215), the Escondido Freeway.

Much of the transportation system in the City of Murrieta is owned and controlled by the City, such as the local, collector and arterial street system, and most of the traffic signals. Some of the facilities, however, are owned and controlled by other agencies, including Caltrans and the County of Riverside, or shared with other jurisdictions, such as the Cities of Temecula and Wildomar. Similarly, while much of the funding for the transportation system is local, significant funds for improvement and maintenance also come from other sources including State, Federal and County-level funding sources. Finally, transportation planning and programming is the responsibility of a number of agencies including the City of Murrieta, the County of Riverside, the Riverside County Transportation Commission (RCTC), and the Southern California Association of Governments (SCAG). At the State level, Caltrans is the agency responsible for funding and maintaining the State Highway System and Interstate Highway System.

The regional planning agencies of RCTC and SCAG are responsible for regional transportation planning, traffic forecasting, developing regional plans, and distributing regional transportation funds. At the County level, the County of Riverside operates some county facilities, and also administers Measure A, the local county half-cent sales tax for transportation. Several transportation plans and project lists are prepared by the various agencies, including the Regional Transportation Plan (RTP) by SCAG, with input from all other agencies, and the State and Regional Transportation Improvement Programs (STIP and RTIP). The Western Riverside Council of Governments (WRCOG) developed and administers the Transportation Uniform

Mitigation Fee (TUMF) program. This section provides a brief overview of local and regional transportation planning and programming, and how it affects the City of Murrieta.

CALIFORNIA STATE SENATE BILL 375 (SB 375)

California State Senate Bill 375 (SB 375) became law effective January 1, 2009 as implementing legislation of Assembly Bill 32 (AB 32), which requires the state to reduce Greenhouse Gas (GHG) emissions across all industry sectors back to 1990 levels by the year 2020. Both laws are administered and enforced through the California Air Resources Board (CARB).

Given that the transportation sector is the largest contributor to GHG pollution throughout California, SB 375 targets reduction of GHG emissions specific to cars and light trucks. The law requires each of the State's 18 Metropolitan Planning Organizations (MPO) to develop a Sustainable Communities Strategy (SCS), which will include specific strategies for improving land use and transportation efficiency. The Southern California Association of Governments (SCAG) is the MPO for six counties (Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial) and includes 184 cities. The primary strategy includes the identification and development of higher density, mixed-use projects around public transportation system stations. Other supported strategies relate to the integration of Intelligent Transportation Systems (ITS) to improve circulation on freeways and arterials.

Every SCS to be developed under SB 375 is required to be integrated into each MPO's Regional Transportation Plan, thus encouraging local jurisdictions to comply. Transportation improvement projects not listed in the RTP become ineligible to receive funding from some state and federal programs.

STATE TRANSPORTATION IMPROVEMENT PROGRAM

The State Transportation Improvement Program (STIP) is a multi-year capital improvement program for transportation projects on and off the State Highway System, funded with revenues from the Transportation Investment Fund and other funding sources. STIP programming generally occurs every two years. The programming cycle begins with the release of a proposed fund estimate in July of odd-numbered years, followed by California Transportation Commission (CTC) adoption of the fund estimate in August (odd years). The fund estimate serves to identify the amount of new funds available for the programming of transportation projects. Once the fund estimate is adopted, Caltrans and the regional planning agencies prepare transportation improvement plans for submittal to the CTC by December 15th (odd years). Caltrans prepares the Interregional Transportation Improvement Program (ITIP) and regional agencies prepare the Regional Transportation Improvement Plans (RTIPs). Public hearings are held in January (even years) in both northern and southern California. The STIP is adopted by the CTC by April (even years).

Cities and other local agencies work through their Regional Transportation Planning Agency (RTPA) to nominate projects for inclusion in the STIP. Once projects are programmed, agencies may begin the project implementation process. RTPAs such as RCTC, are allocated 75 percent of STIP funding for regional transportation projects in their Regional Improvement Program (RIP), and Caltrans is allocated 25 percent for inter-regional transportation projects in the Inter-regional Improvement Program (IIP).

All STIP projects that directly affect the City of Murrieta are included in the RTIP. Refer to the list of RTIP projects under the Regional Transportation Plan following for a complete list of STIP projects in Murrieta.

REGIONAL TRANSPORTATION PLAN

The Regional Transportation Plan (RTP) is developed, maintained, and updated by the Southern California Association of Governments (SCAG), Southern California's MPO. SCAG encompasses the six counties in Southern California including Los Angeles, Orange, San Bernardino, Riverside, Ventura and Imperial. On May 8, 2008, the 2008 RTP: Making the Connections was adopted by the Regional Council of the Southern California Association of Governments.

The RTP project list is divided into three sections. At the center is the RTIP (discussed above), which forms the foundation of the RTP project investment strategy and represents the first six years of already-committed funding. The RTP also contains an additional financially constrained set of transportation projects above and beyond the RTIP. Finally, the Strategic Plan represents an unconstrained, illustrative list of potential projects that the region would pursue given additional funding.

Current RTIP Projects:

- At I-15/California Oaks Road/Kalmia Street Interchange – Reconfigure ramps (construct NB/SB loop on-ramps, relocate SB off-ramp), widen California Oaks from four to six lanes from UC to California Oaks Plaza (RIV010204).

- I-15/Clinton Keith Road Interchange – Reconstruct/widen OC two to six lanes and ramps one and two lanes to three and four lanes, add NB/SB auxiliary lanes prior to and after exit/entry ramps and left-turn lanes (RIV62034).

- In Western Riverside County on State Route 79 (SR-79/Winchester Road) – Widen from two to four lanes from Thompson Road to Domenigoni Parkway (46460).

- At I-215/Clinton Keith Road Interchange – Construct partial cloverleaf: widen OC two to six lanes, reconstruct ramps (widening to existing NB/SB diamond ramps and construct new NB/SB loop on ramps (RIV010203).

- At I-215/Scott Road Interchange near Murrieta – Reconstruct/widen interchange from two to six lanes and ramps from one to two lanes (RIV011232).

- In Murrieta on I-215 at Linnel Lane – Construct new four lane (two lanes each direction) OC from McElwain Road to Meadowlark Lane including sidewalks and bike lanes (RIV060104).

- On I-215 in southwest Riverside County from Murrieta Hot Springs Road to Scott Road: Construct a third mixed-flow lane in each direction (widens I-215 from four to six MF lanes – three in each direction (RIV070305).

- On I-215 in southwest Riverside County from Scott Road to Nuevo Road Interchange: Construct a third mixed flow lane in each direction (widens I-215 from four to six lanes – three in each direction (RIV070309).

- On I-215 at Los Alamos Road Interchange: Reconstruct/widen interchange two to six lanes (three lanes each direction) from Hancock Avenue to Whitewood Road, widen ramps (one to two and one to three lanes) (RIV62040).

- In Riverside County near Murrieta, reconstruct and widen Scott Road from two to six lanes between I-215 and SR-79 (RIV010205).

- In Riverside County and Murrieta – Extend/construct Clinton Keith Road (six lanes total – approximately 3.4 miles) with two bridges from Antelope Road to Winchester Road/SR-79 (RIV011236).

- In Murrieta – Construct new two lane Guava Street Bridge (400 feet) over Murrieta Creek from Washington Avenue to Adams Avenue with shoulders and all required approaches (RIV031204).

RIVERSIDE COUNTY MEASURE A

Transportation issues in the City of Murrieta are overseen by the Riverside County Transportation Commission (RCTC), the transportation planning agency responsible for regional planning in Riverside County. As the County Transportation Authority, RCTC administers Measure A, the voter approved half-cent transportation sales tax adopted by Riverside County voters in 1976, and extended to the year 2039 by voters in 2002. Since its implementation, Measure A has provided a steady source of revenue for transportation improvements in the County of Riverside, raising nearly $1 billion from 1989 through 2009. Measure A funded projects that benefit the City of Murrieta include:

Completed Projects:

- Addition of call boxes to state and interstate highways.
- Commuter Rail – Provided Metrolink commuter rail service from Riverside to Los Angeles and Orange, including five stations and tracks.

Ongoing Projects:

- Rideshare and Specialized Transit Services – Implement programs to promote the use of carpools, vanpools and other rideshare arrangements. Funded new and existing services to assist seniors and persons with disabilities.

- Local Street and Roads – Measure A revenues are provided to each city and county to improve, maintain and repair high priority local streets and roads. Measure A funds supplement and do not replace other revenues previously available for transportation projects.

- Park and Ride Lots – Lease park and ride lots at various locations on I-5, I-215, SR-60, and SR-91.

Future Projects:

- SR-79 – Widen to four lanes from Newport Road to Keller Road.

- Commuter Rail – Extend Metrolink service from Riverside to Perris on the Perris Valley Line. Construct a bus and rail multimodal facility in Downtown Perris.

WESTERN RIVERSIDE COUNCIL OF GOVERNMENTS TRANSPORTATION UNIFORM MITIGATION FEE

The City of Murrieta is a member of the Western Riverside Council of Governments (WRCOG). The WRCOG is a voluntary association that represents member local governments, in order to provide cooperative planning, coordination, and technical assistance on issues of mutual concern that cross jurisdictional lines. WRCOG addresses issues of regional importance in the area of goods movement, rail crossings and growth. WRCOG also developed and administer the Transportation Uniform Mitigation Fee (TUMF), a program that ensures that new development pays its fair share for the increased traffic that it creates. The TUMF program will provide significant additional funds from new development to make improvements to the Regional System, complementing funds generated by Measure A, local transportation fee programs and other potential funding sources. The establishment of this fee on new development establishes a manner by which developers contribute their fair share to the regional transportation system. Currently, TUMF fees are allocated as follows:

- Regional Transit Improvements – 2.6 percent of TUMF funds are allocated to the Riverside Transit Agency for regional transit improvements.

- Regionally Significant Transportation Improvements – 48.7 percent of TUMF funds are allocated to the RCTC for programming improvements to arterials of regional significance.

- Zones – The WRCOG area is split into five zones; Murrieta is located in the Southwest TUMF Zone, along with unincorporated county area and the Cities of Temecula, Wildomar, Canyon Lake, and Lake Elsinore. 48.7 percent of TUMF funds are allocated to the five Zones for improvements to the Regional System of Highways and Arterials. The amount of TUMF funds allocated to each Zone is proportionate to the amount of TUMF revenue generated from each Zone.

RIVERSIDE COUNTY CONGESTION MANAGEMENT PROGRAM

The passage of Proposition 111 in June 1990 established a process for each metropolitan county in California, with an urbanized area of more than 50,000 population, including Riverside, to prepare a Congestion Management Plan (CMP). The CMP, which was prepared by the RCTC in consultation with the County and cities in Riverside County, is an effort to more directly align land use, transportation, and air quality management efforts, to promote reasonable growth management programs that effectively use statewide transportation funds, while ensuring that new development pays its fair share of needed transportation improvements. Additionally, the passage of Proposition 111 provided additional transportation funding through a $0.09 per gallon increase in the State gas tax.

Although implementation of the CMP was made voluntary by the passage of AB 2419, the CMP requirement has been retained in all five urbanized counties within the SCAG region. In addition to its value as a transportation management tool, CMPs have been retained in these counties because of the Federal Congestion Management System requirement that applies to all large urban areas that are not in attainment of federal air quality standards. These counties recognize that the CMP provides a mechanism through which locally implemented programs can fulfill most aspects of a regional requirement that would otherwise have to be addressed by the Regional Agency (SCAG).

The focus of the CMP is the development of an Enhanced Traffic Monitoring System in which real-time traffic count data can be accessed by RCTC to evaluate the condition of the Congestion Management System (CMS) as well as meet other monitoring requirements at the State and Federal levels. Per the CMP adopted level of service (LOS) standard of “E”, when a CMS segment falls to “F”, a deficiency plan is required. Preparation of a deficiency plan would be the responsibility of the local agency where the deficiency is located. Other agencies identified as contributors to the deficiency would also be required to coordinate with the development of the plan. The plan must contain mitigation measures, including Transportation Demand Management (TDM) strategies and transit alternatives, and a schedule of mitigating the

deficiency. To ensure that the CMS is appropriately monitored to reduce the occurrence of CMP deficiencies, it is the responsibility of local agencies, when reviewing and approving development proposals, to consider the traffic impacts on the CMS.

CMP facilities within the City of Murrieta are I-15, I-215, and SR-79. A CMP analysis was not required for the proposed General Plan 2035 as the City requirements for a traffic study exceed the CMP requirements and the proposed project met the City requirements. Furthermore, the CMP for Riverside County does not address specific intersections.

COUNTY OF RIVERSIDE GENERAL PLAN

The County of Riverside General Plan includes a range of objectives and policies that address various aspects of circulation, including but not limited to roadways, public transportation, trucking, and non-motorized facilities.

5.4.2 ENVIRONMENTAL SETTING

GENERAL METHODOLOGY

Traffic volumes used in the *Traffic Impact Analysis* were developed through the use of a travel demand model, which is specific to the City of Murrieta, and consistent with the Riverside County Traffic Analysis Model (RivTAM), and the SCAG travel demand model.

The development of the Murrieta Focused Travel Demand Model (Murrieta Model) is based on the Year 2008 Riverside Traffic Analysis Model (RivTAM) in TransCAD platform. The purpose for the development of this focused and detailed model is for use in General Plan traffic forecasting. The Murrieta Model covers all of the six counties in the SCAG region. New zone structure with 925 zones was designed to detail the Murrieta area and to aggregate a set of zones outside of the area. The model roadway network within the City and the Sphere of Influence area was expanded to include roadways classified as Collector and above, as shown in the existing (2006) City of Murrieta General Plan Circulation Element.

The structure of the Murrieta Model is consistent with the RivTAM model to ensure the compatibility between the two models. Building on RivTAM also minimizes the time and effort needed to maintain and update Murrieta as new elements of the RivTAM model are put into the model job stream. Specifically, the model consists of traditional four step modeling process including trip generation, trip distribution, mode split, and traffic assignment. Two model scenarios were included in the Murrieta Model, namely the base year 2008 and the forecast year 2035. Given the updated zone structure, corresponding modifications regarding the input data tables and matrices in the four steps were conducted for both of the model scenarios. The validation for base year 2008 was followed to ensure the results match with the both RivTAM model and traffic counts.

The validated model was then used to forecast future volumes for the different scenarios. Peak hour turning model volumes were developed for study intersections using NCHRP methodology.

FORECAST METHODOLOGY

Development of the Murrieta Model includes four main steps: 1) subdivision of traffic analysis zones, 2) highway and transit network development, 3) trip generation, and 4) trip distribution, mode split, and trip assignment. These processes are discussed in detail below.

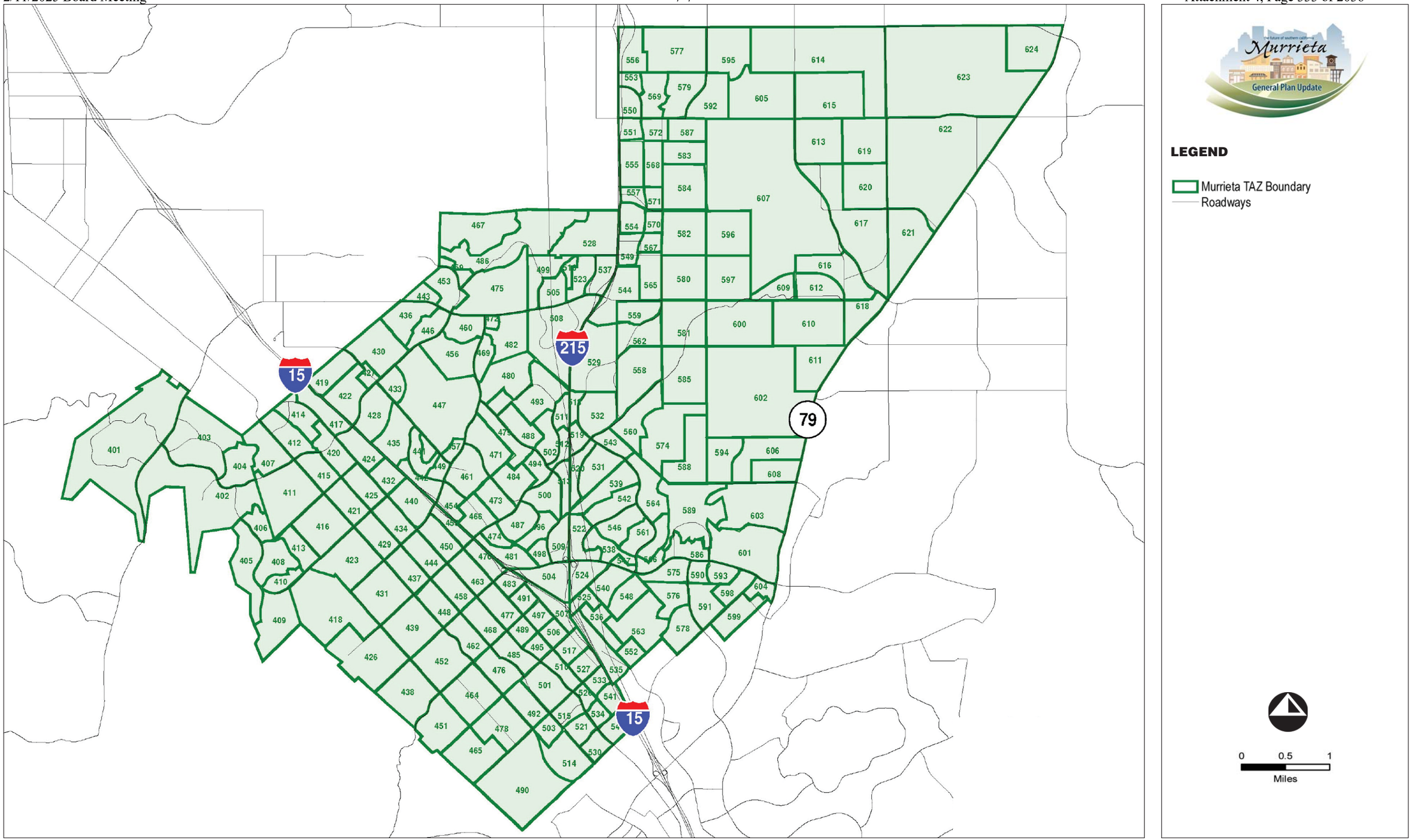
Subdivision of Traffic Analysis Zones

Traffic Analysis Zones (TAZ) are geographic areas dividing a planning region into relatively similar areas of land use and activity. Traffic analysis zones in the City and the Sphere of Influence were determined and established with input from City staff. *Exhibit 5.4-1*, *City of Murrieta Traffic Analysis Zone Locations* illustrates the Murrieta Model traffic analysis zone boundaries in the City area, with zone numbers indicated.

A focused model is usually developed for a specific area based on the regional model and has a multi-tier zone system. The multi-tier zone system in the Murrieta Model was defined as follows:

1. Aggregated TAZ at Combined Statistical Areas (CSA) level
2. Area adjacent to the first tier area (15-20 miles from the study area)
3. Area adjacent to the study area, which covers the next 15 miles buffer outside the study area
4. Murrieta study area with smaller size Traffic Analysis Zones (TAZ)

Exhibit 5.4-2, *Four-Tier Zone System in Murrieta Model*, illustrates the four-tier zone system. Based on the City's zone structure and land use, RivTAM TAZs were further divided into 247 TAZs within the forth tier, with 23 zones being spare zones. Spare zones are reserved zones for probable future use. They currently generate zero trips. The third tier with 203 TAZs kept the same zone structure as the RivTAM mode. The second tier is a more aggregated RivTAM TAZ adjacent to tier 1. The aggregation based on CSA level generated 352 TAZs located in the first tier. Summary of the TAZ statistics in the Murrieta Model is presented in *Table 5.4-1*, *Murrieta Model Zone System Structure*. Accordingly, centroid connectors in all the tiers were rebuilt to match with the new zone system.



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City of Murrieta Traffic Analysis Zone Locations

Exhibit 5.4-1

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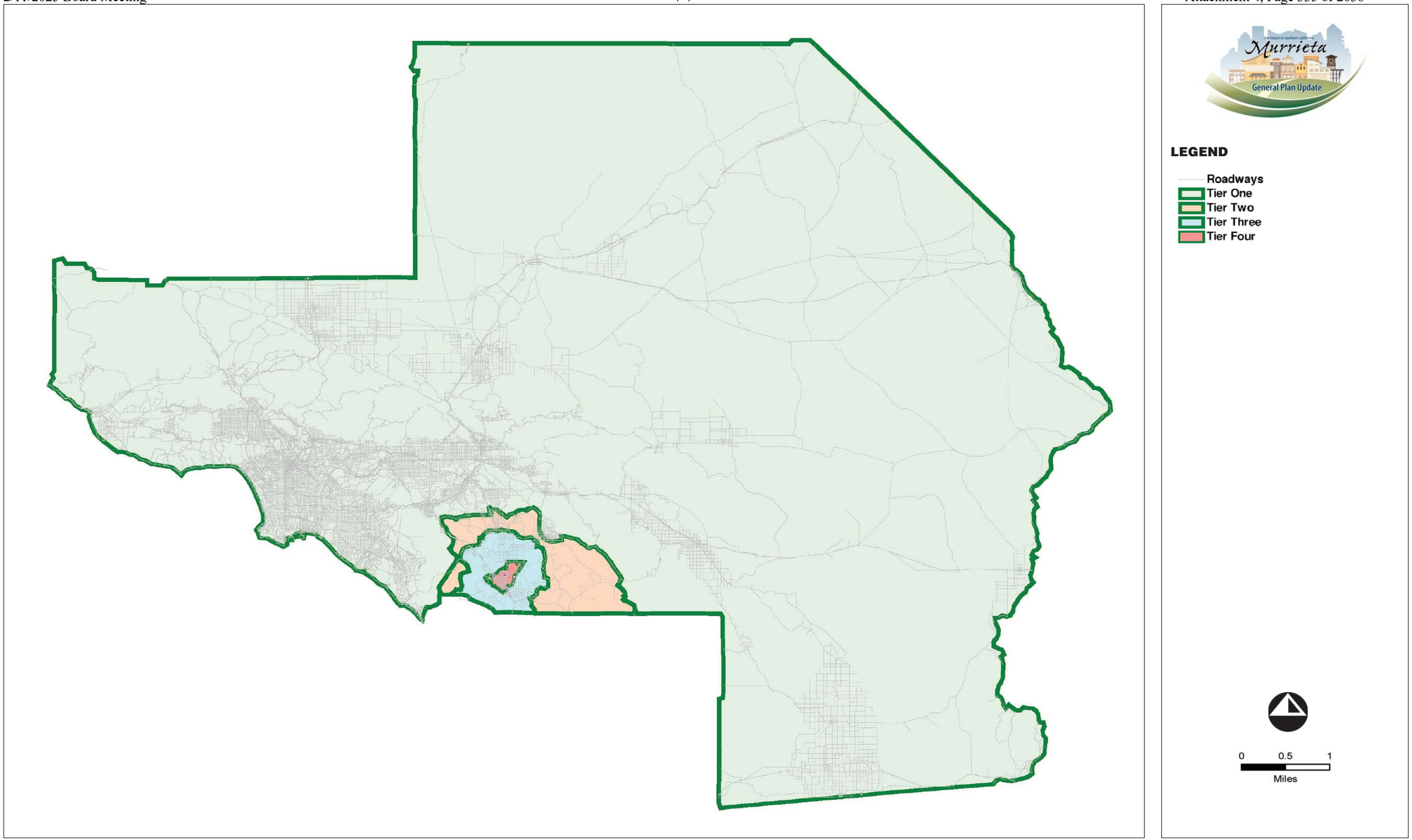

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Four-Tier Zone System in Murrieta Model

Exhibit 5.4-2

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Table 5.4-1
Murrieta Model Zone System Structure

Modeling Area	TAZ	
	Number of Zones	Sequence
Imperial County	10	1-10
Los Angeles County	220	11-230
Orange County	34	231-264
Riverside County	532	265-796
San Bernardino Valley	38	797-834
Murrieta (Portion of Riverside County)	(247)	(401-647)
Ventura County	8	835-842
External/Cordon Zones	40	843-882
Airport Zones	12	883-894
Port Zones	31	895-925
Total	**925**	**1-925**
Source: Iteris, *Draft Traffic Impact Analysis*, January 28, 2011.		

HIGHWAY AND TRANSIT NETWORK DEVELOPMENT

Accurate transportation model calibration and validation requires that the transportation highway network represents the same time horizon as the land-use data that is used to estimate travel demand. The RivTAM 2008 Base Year model highway network was used to develop the 2008 Murrieta Model highway network. The highway network was conflated using the network editing features and the GIS capabilities of TransCAD, and was aligned using the roadways street centerline file. Roadway links and new centroid connectors for the new traffic analysis zones were added to the highway network. Generally, all the streets currently existing in the General Plan Circulation Element were included in the model network. Local residential streets were generally not included in the network. *Exhibit 5.4-3*, *Existing Highway Network (2008)* illustrates a snapshot of the Murrieta Model highway network.

Highway network attributes such as speed, functional classification, facility type, capacity, and number of lanes were updated to reflect the existing conditions in the city area. No modifications or changes were made to the RivTAM highway network in the region outside the City.

The existing RivTAM transit network was also modified to ensure its compatibility with the new highway network. Several transit routes were modified to lie on the modified roadway network; however the routes were maintained the same.

TRIP GENERATION

The trip generation model estimates trip-ends for a typical weekday. A production trip end is where a trip begins from the home of the trip maker and an attraction trip-end is where a trip ends. Trip generation models are based on Socio-Economic Data (SED), in which commercial, warehouse and industrial sites are represented in terms of number of employees instead of square-footage or acreage of the development in land use models. Similar to RivTAM, 52 socioeconomic variables describing population, household, school enrollments, household income, workers, and employment were used as the major inputs for the trip generation model.

The SED data for the traffic study area were processed using two approaches due to the data availability.

The City of Murrieta provided the population and employment data for the Murrieta zones, which presented a more refined distribution pattern of population and employment compared with RivTAM model. Therefore, the SED data from the City of Murrieta was converted to RivTAM data format and used as SED input for the Murrieta zones.

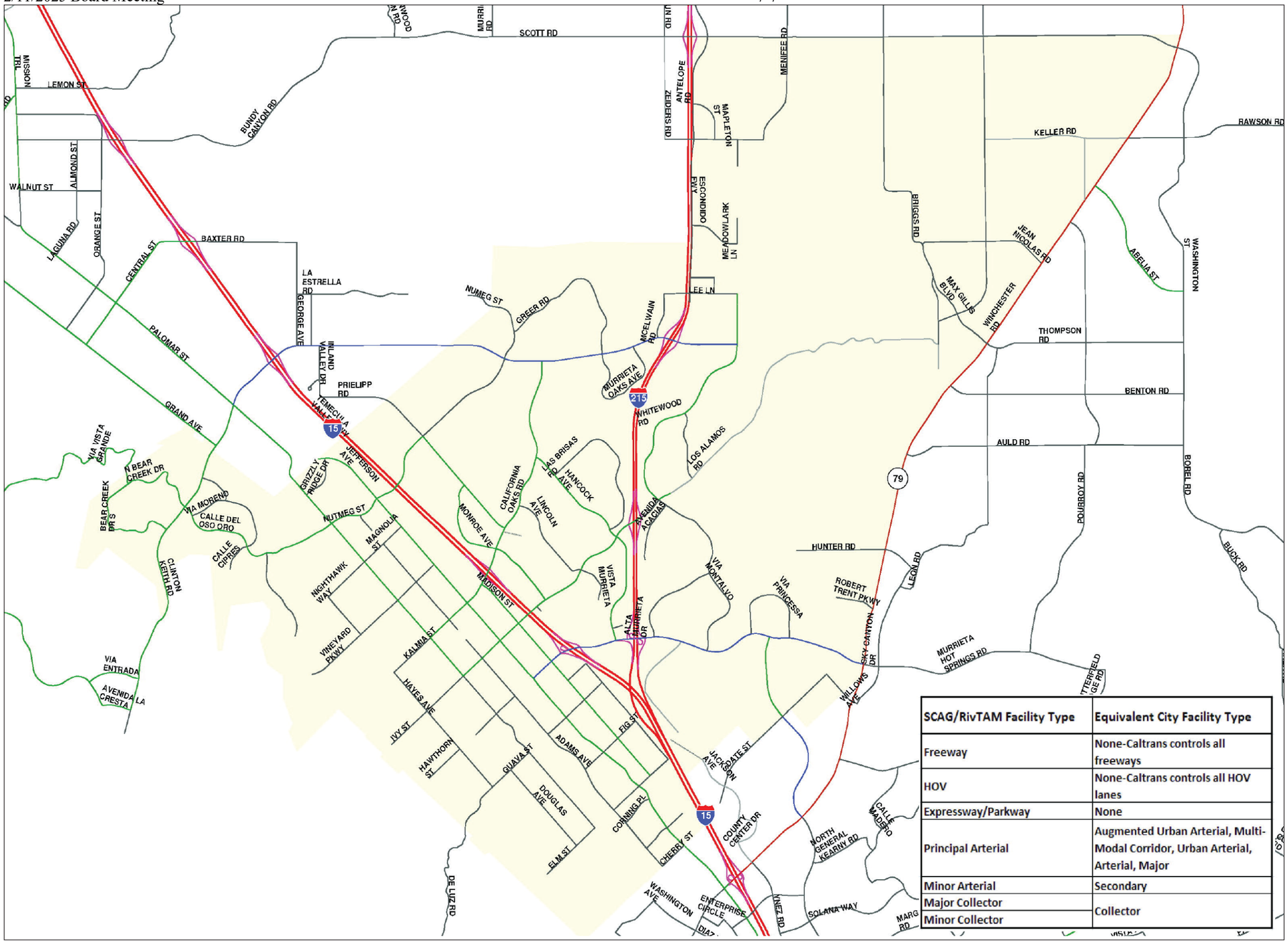
For the third tier, no change for the SED data was made since the Murrieta Model kept the same zone system as the RivTAM. As mentioned, the first tier was based on CSA, where a set of zones in SCAG were grouped to one zone. Accordingly, the SED was aggregated into the corresponding new zones.

In addition to SED input, several tables and matrices describing additional demographic characteristics used in trip generation model were also adjusted according to the Murrieta zone system. The detailed description for the input data and methodology of estimating trip production and attraction can refer to the RivTAM model validation report.

TRIP DISTRIBUTION, MODE SPLIT AND TRIP ASSIGNMENT

The trip distribution process allocates the zonal person trips generated by the trip generation model to movements between zone pairs based on the travel time/cost between the zones. The mode split determines the number of trips taking a variety of travel mode including non-motorized mode, auto mode, and transit mode. The trip assignment model loads trips to the roadway network. Similarly, there was no change in term of model structure and methodologies in these three processes. Note that several related tables and matrices in these three steps were updated according to the new zone system.

Since the City of Murrieta is very close to the San Diego County border, the daily volumes generated by the San Diego cordon station were compared to Caltrans 2008 average daily counts and were accordingly adjusted in the existing model to generate the correct number of daily trips.



SCAG/RivTAM Facility Type	Equivalent City Facility Type
Freeway	None-Caltrans controls all freeways
HOV	None-Caltrans controls all HOV lanes
Expressway/Parkway	None
Principal Arterial	Augmented Urban Arterial, Multi-Modal Corridor, Urban Arterial, Arterial, Major
Minor Arterial	Secondary
Major Collector	Collector
Minor Collector	

LEGEND

- Freeway
- HOV
- Expressway/Parkway
- Principal Arterial
- Minor Arterial
- Major Collector
- Minor Collector
- Ramps

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Miles

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Existing Highway Network (2008)

Exhibit 5.4-3

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TRAFFIC ASSIGNMENT VALIDATION

The final step in the four step travel demand modeling process is the assignment of the vehicle trip tables to the highway network. The traffic assignment process chooses the specific travel route between zone pairs for any given trip for each of the peak and off-peak time periods. The selection of a particular route is based upon travel times reflecting the traffic volume, roadway capacity and speed relationships. The procedure used in the Murrieta Model is an equilibrium traffic assignment process, whereby the trip table is loaded incrementally to account for capacity restraint and travel time variations that occur when particular network links become congested. The Highway Assignment process is the last and typically the most iterative part of validation/calibration of a travel demand model. To validate the model outputs, base-year ground counts were compared to the modeled traffic volumes on the highway network. The average daily traffic (ADT) volumes for the arterial roadways were obtained from various sources including Caltrans, the City, prior studies, and collecting new counts. The primary source for freeway mainline traffic volume data is Caltrans 2008 count database.

Screenline analysis was used in the validation of trip assignment. Screenlines are imaginary lines drawn across several sections of various roadways to assess the performance of the model by comparing the total model assigned volumes and total actual counts for those roadway sections. All model links (segments) that are crossed by a screenline form a group of roadways within a corridor for which the total model produced volumes and ground traffic counts are aggregated and compared. For the Murrieta model, all screenlines have the assigned volumes within the acceptable industry validation standards and FHWA criteria. The model was also evaluated using the Root Mean Square Error (RMSE) methodology, which is a quadratic scoring rule which measures the average magnitude of the error. It was found that the RMSE for the individual screenlines and the total screenlines is well below the suggested threshold and the model shows good fit with the ground counts. In order to compare the aggregate statistics on the validity of the traffic assignment across all points in the model regardless of specific corridors or screenlines, model predicted vs. counted traffic volumes were compared on model segments with available traffic counts. The model shows good correlation between actual and observed volumes. An analysis of a final measure of comparison for the fit between observed traffic counts and estimated model volumes is the Coefficient of Determination (R^2). The recommended value of R^2 is greater than 0.88. The computed value of R^2 was estimated to be 0.96 for the Murrieta model, which shows that the model performance is within a very reasonable boundary, representing an excellent fit.

TRAFFIC VOLUME POST-PROCESSING

In order to post process the daily link volumes, model growth between the existing and future models was added to the average daily counts, where counts were available. Future forecast traffic volumes for the study intersections were developed using the approach/departure volumes from the Murrieta 2035 Model. The AM and PM peak period forecast traffic volumes were converted to peak hour volumes by applying standard peak hour conversion factors (0.38 for three hours in the AM and 0.28 for four hours in the PM peak periods). Then the intersection

turning movements were developed using the "Iterative" methodology as described in the *National Cooperative Highway Research Program Report (NCHRP) 255: Highway Traffic Data for Urbanized Area Project Planning and Design*, Chapter 8. The method uses the base year turning volume percentages (from the traffic counts) and the projected growth (difference) in the intersection's approach/departure volumes between the existing and future models, then proceeds through an iterative computational technique to produce a balanced, final set of adjusted future year turning volumes.

Study Intersections (Existing and Future)

A total of 62 existing and future intersections in the City were identified as study intersections by City Staff. Under the future scenarios, the intersections of Madison Avenue at Kalmia Street and I-15 SB Ramps at Kalmia Street would be reconfigured and combined into one intersection. Therefore, under the future scenarios, a total of 61 intersections were analyzed. A list of the study intersections and a map of their locations are provided in *Table 5.4-2*, *List of Study Intersections (Existing and Future)* and *Exhibit 5.4-4*, *Study Intersections*, respectively.

Table 5.4-2
List of Study Intersections (Existing and Future)

Int. No.	Intersection	Status
1	Menifee Rd / Scott Rd	Existing
2	Leon Rd / Scott Rd	Existing
3	Winchester Rd - SR-79 / Scott Rd	Existing
4	Antelope Rd / Keller Rd	Existing
5	Menifee-Meadowlark Rd/ Keller Rd	Existing
6	Briggs Rd / Keller Rd	Future
7	Leon Rd / Keller Rd	Existing
8	Winchester Rd - SR-79 / Keller Rd	Existing
9	Antelope Rd / Golden City Drive – Baxter Rd	Future
10	Whitewood-Meadowlark/ Golden City Dr – Baxter Rd	Future
11	Briggs Rd / Baxter Rd – Jean Nicholas	Future
12	Leon Rd / Jean Nicholas	Existing
13	Winchester Rd - SR-79 / Nicholas - Skyview	Existing
14	Antelope Rd / Linnel Lane Extension	Future
15	Whitewood-Meadowlark/ Linnel Lane Extension	Future
16	Leon Rd / Max Gillis Rd	Existing
17	Winchester Rd - SR-79 / Max Gillis - Thompson	Existing
18	California Oaks Rd / Clinton Keith Rd	Existing
19	I-215 SB Off-Ramp / Clinton Keith Rd	Existing
20	I-215 NB Off-Ramp / Clinton Keith Rd	Existing
21	Antelope Rd / Clinton Keith Rd	Under Construction
22	Meadowlark – Whitewood Rd / Clinton Keith Rd	Existing
23	Liberty Rd / Clinton Keith Rd	Future

Table 5.4-2 [continued]
List of Study Intersections (Existing and Future)

Int. No.	Intersection	Status
24	Leon Rd / Clinton Keith Rd	Future
25	Winchester Rd - SR-79 / Clinton Keith Rd - Benton Rd	Existing
26	Winchester Rd - SR-79 / Via Mira Mosa – Auld Rd	Existing
27	Monroe Ave / Los Alamos	Existing
28	Jefferson Ave / Murrieta Hot Springs Rd	Existing
29	Madison Ave / Murrieta Hot Springs Rd	Existing
30	I-15 SB Off-Ramp / Murrieta Hot Springs Rd	Existing
31	I-15 NB Off-Ramp / Murrieta Hot Springs Rd	Existing
32	I-215 SB Off-Ramp / Murrieta Hot Springs Rd	Existing
33	I-215 NB Off-Ramp / Murrieta Hot Springs Rd	Existing
34	Jackson Ave / Murrieta Hot Springs Rd	Existing
35	Margarita Rd/ Murrieta Hot Springs Rd	Existing
36	French Valley – Date St / Murrieta Hot Springs Rd	Future
37	Jefferson Ave / Guava St	Existing
38	Jefferson Ave / Cherry St	Existing
39	Washington Ave / Calle del Oso Oro – Nutmeg St	Existing
40	Clinton Keith Rd / Calle de Oso Oro – Bear Creek Dr	Existing
41	Jefferson Ave / Nutmeg St	Existing
42	Jefferson Ave / Magnolia St	Existing
43	Jefferson Ave / Lemon St	Existing
44	Jefferson Ave / Kalmia St	Existing
45	Jefferson Ave / Juniper St	Existing
46	Jefferson Ave / Ivy St – Los Alamos Rd	Existing
47	Madison Ave / Kalmia St	Existing
48	I-15 SB Ramps / Kalmia St	Existing
49	Monroe Ave / Murrieta Hot Springs Rd	Existing
50	Hancock Ave / Murrieta Hot Springs Rd	Existing
51	Alta Murrieta Dr / Murrieta Hot Springs Rd	Existing
52	Winchester Rd - SR-79 / Murrieta Hot Springs Rd	Existing
53	Hancock Ave / Los Alamos Rd	Existing
54	I-215 SB Ramps / Los Alamos Rd	Existing
55	I-215 NB Ramps / Los Alamos Rd	Existing
56	Whitewood Rd / Los Alamos Rd	Existing
57	Whitewood Rd / Murrieta Hot Springs Rd	Existing
58	Adams Ave / Guava St	Existing
59	Nutmeg St / Clinton Keith Rd	Existing
60	Murrieta Oaks Ave - Mitchell Rd / Clinton Keith Rd	Existing
61	I-215 SB Ramps / Scott Rd	Existing
62	I-215 NB Ramps / Scott Rd	Existing

Source: Iteris, *Draft Traffic Impact Analysis*, January 28, 2011.

Roadway Level of Service (LOS) Volume-to Capacity (V/C) Ratios

Roadway segments are evaluated by comparing average daily traffic (ADT) volumes to street capacity. Capacity is a measure of the ability of the street system to meet and serve the demands placed on it. It is generally considered the most practical measure of how well the mobility needs of the City are being met.

The capacity of the road is affected by a number of factors, including street width, roadway design, number of travel lanes, number of roadway intersections, number of driveways, presence of on-street parking, and traffic signal cycle length.

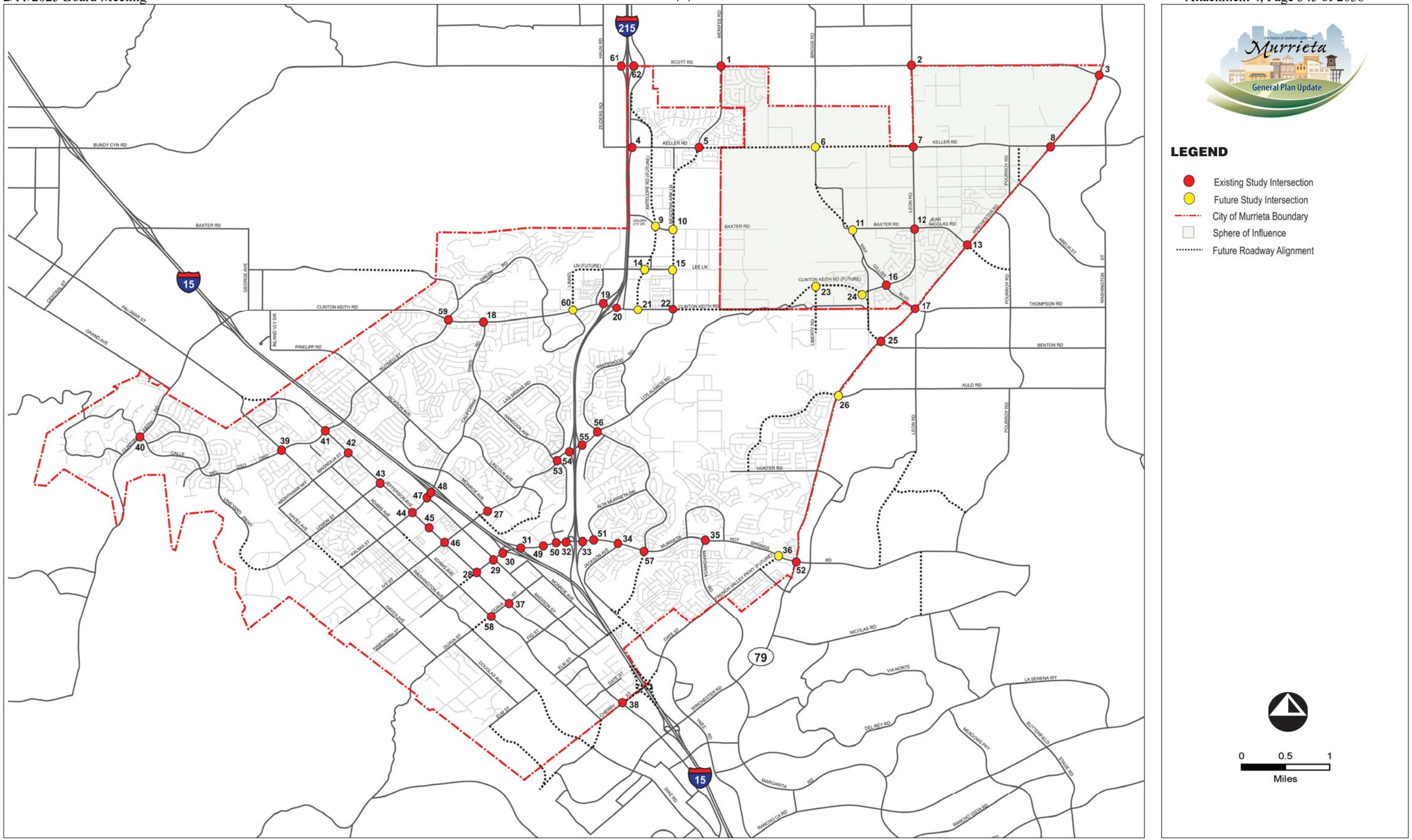
The City of Murrieta's LOS standards, as published in the existing (2006) General Plan Circulation Element is LOS C for roadway segments.

Table 5.4-3, *Daily Roadway Capacity Values* and *Table 5.4-4*, *Roadway Segment LOS Criteria* below depict the maximum daily capacity values for each roadway type and the LOS ranges for roadway segments, respectively.

Table 5.4-3
Daily Roadway Capacity Values

Facility	Number of Lanes	Maximum Two-Way Volume (ADT)		
		LOS C	LOS D	LOS E
Freeway	4	61,200	68,900	76,500
Freeway	6	94,000	105,800	117,500
Freeway	8	128,400	144,500	160,500
Freeway	10	160,500	180,500	200,600
Expressway	4	32,700	36,800	40,900
Expressway	6	49,000	55,200	61,300
Multi-Modal Corridor	4	28,700	32,300	35,900
Multi-Modal Corridor	6	43,100	48,500	53,900
Augmented Urban Arterial	8	57,400	64,600	71,800
Urban Arterial	6	43,100	48,500	53,900
Arterial	4	28,700	32,300	35,900
Arterial	6	43,100	48,500	53,900
Major	4	27,300	30,700	34,100
Secondary	4	20,700	23,300	25,900
Collector	2	10,400	11,700	13,000

Notes:
1. All capacity figures are based on optimum conditions and are intended as guidelines for planning purposes only.
2. Maximum two-way ADT values are based on the 1999 Modified Highway Capacity Manual Level of Service Tables as defined in the Riverside County Congestion Management Program.



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Study Intersections

Exhibit 5.4-4

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Table 5.4-4
Roadway Segment LOS Criteria

Level of Service (LOS)	Volume-to-Capacity Ratio
A	0 – 0.60
B	> 0.60 – 0.70
C	> 0.70 – 0.80
D	> 0.80 – 0.90
E	> 0.90 – 1.00
F	> 1.00
Source: Iteris, *Draft Traffic Impact Analysis*, January 28, 2011.	

Intersection LOS Criteria

Intersection operations are evaluated using a LOS system. The concept of LOS is used to characterize how well the roadway network operates. These evaluations are based on empirical data collected and reported in the *2000 Highway Capacity Manual*, which is maintained by the Transportation Research Board, as directed by the *Traffic Impact Analysis Preparation Guide* for the City of Murrieta. The *2000 Highway Capacity Manual* utilizes a methodology that accesses the average control delay at intersections. This methodology results in LOS measurements, indicating the quality of traffic flow and using letter grades from A (best) to F (worst).

The City of Murrieta's LOS standards, as published in the existing (2006) General Plan Circulation Element is LOS D for peak hour intersection operations, and LOS E at freeway interchanges.

The LOS ranges for signalized and unsignalized intersections are provided below in *Table 5.4-5*, *Signalized Intersection LOS Criteria* and *Table 5.4-6*, *Unsignalized Intersection LOS Criteria*.

EXISTING CONDITIONS

Functional Classifications

The classification of a roadway is intended to establish its function, or role, in the overall circulation system. It establishes the hierarchy of streets in terms of their purpose in relation to movement of through traffic versus provision of access to adjacent land uses.

The hierarchy of roadway classifications ranges from freeways (with full control access, grade-separated interchanges, high speed/high volume traffic, emphasis on longer distance and intercity travel) to local streets and cul-de-sacs (with unlimited access to fronting properties, low speed/low volume traffic, emphasis on multi-purpose use of the paved street section for travel, parking, pedestrian and bicycle activity).

Table 5.4-5
Signalized Intersection LOS Criteria

Level of Service (LOS)	Description	Control Delay/Veh (sec/veh)
A	Excellent operation. All approaches to the intersection appear quite open, turning movements are easily made, and nearly all drivers find freedom of operation.	≤ 10
B	Very good operation. Many drivers begin to feel somewhat restricted within platoons of vehicles. This represents stable flow. An approach to an intersection may occasionally be fully utilized and traffic queues start to form.	> 10 – 20
C	Good operation. Occasionally drivers may have to wait more than 60 seconds, and back-ups may develop behind turning vehicles. Most drivers feel somewhat restricted.	> 20 – 35
D	Fair operation. Cars are sometimes required to wait more than 60 seconds during short peaks. There are no long-standing traffic queues. This level is typically associated with design practice for peak periods.	> 35 – 55
E	Poor operation. Some long-standing vehicular queues develop on critical approaches to intersections. Delays may be up to several minutes.	> 55 – 80
F	Forced flow. Represents jammed conditions. Backups from locations downstream or on the cross street may restrict or prevent movement of vehicles out of the intersection approach lanes; therefore, volumes carried are not predictable. Potential for stop and go type traffic flow.	> 80
Source: *Highway Capacity Manual*, Transportation Research Board, 2000.		

Table 5.4-6
Unsignalized Intersection LOS Criteria

LOS	Average Control Delay (sec/veh)
A	0 – 10
B	> 10 – 15
C	> 15 – 25
D	> 25 – 35
E	> 35 – 50
F	> 50
Source: *Highway Capacity Manual*, Transportation Research Board, 2000.	

The Augmented Urban Arterial and the potential Multi-Modal Transportation Corridors are retained to address continuing travel demand and to provide enhanced capacity and the flexibility to accommodate alternative transportation modes. Because the City wants to maintain the aesthetic presentation of roadways, all street classifications shall include landscaping features, which may include a median and parkway plantings, street trees, and rural roadway improvements where appropriate. *Table 5.4-7, City of Murrieta Functional Roadway Classifications* describes the general characteristics of the functional street classifications in the City.

Table 5.4-7
City of Murrieta Functional Roadway Classifications

Roadway Classification	Typical Curb-to-Curb Width	Typical Right-of-Way Width	Description
Multi-Modal Transportation Corridor	86'	134'	A Multi-Modal Transportation Corridor typically has four to six lanes, depending on projected traffic volumes, and a right-of-way of sufficient width to accommodate future options, such as fixed rail or high occupancy vehicles. Where feasible, these routes are designed to Caltrans expressway standards. Multi-Modal Transportation Corridors should provide an enhanced traffic-carrying capacity. The augmentation in capacity may be achieved by measures such as: • The addition of through or turn lanes; • Preferential traffic signal timing and synchronization; • Loops for left turns; • Removal of on-street parking; • Intersection grade separations; • Grade separated turning movements; • Access limitation - Right turns only, or no access (streets and/or driveways); access consolidation and pedestrian grade separations.
Augmented Urban Arterial	Commercial Corridor	150'	The intent of the Augmented Urban Arterial is to provide a maximum feasible at-grade cross-section for high capacity facilities in the immediate vicinity of major activity centers such as regional malls or areas of traffic concentration such as freeway interchanges. Transit options may be limited at these locations due to heavy turning movements. Augmented Urban Arterial features include: • Eight through lanes with raised median and dual left turn lanes; • Measures that achieve "shared operations" with transit to maximize person-flow efficiency; • Restrictions on curbside parking; • The dedication of additional right-of-way/easements considered at selected intersection approaches where traffic flows require a separate right-turn lane.

Table 5.4-7 [continued]
City of Murrieta Functional Roadway Classifications

Roadway Classification	Typical Curb-to-Curb Width	Typical Right-of-Way Width	Description
Urban Arterial	110’	134’	Features include: • A six-lane high speed highway with raised median (use for left turn movements) and striped shoulders; • Access restriction may vary depending on where the roadway serves through traffic. Generally, one-quarter mile intersection spacing should be considered as a minimum. Where overriding circumstances would not allow the desired intersection spacing policy to be met, left turn restrictions should be considered at unsignalized intersections; • Curbside parking is generally not considered appropriate along a heavily traveled facility of this type; and • Additional right-of-way/easement dedications should be considered at all key intersections with other Urban Arterials, Arterials, and Major streets for the accommodation of full width auxiliary turn lanes.
Arterial	86’	110’	Features include: • A four lane cross-section with raised or painted median (used for left turn movements); • Desirable minimum spacing for Major street intersections along an Arterial is approximately one-quarter mile. Minor street and driveway access may be allowed at shorter intervals but consideration should be given to left turn restrictions at these locations; • As a primary traffic carrier, curbside parking may not be considered appropriate along the more heavily traveled Arterial segments within the City; and • Additional right-of-way/easement dedications should be considered at all key intersections with other Urban Arterials, Arterials, and Major streets for the accommodation of full-width auxiliary turn lanes.
Major	76’	100’	Features include: • A four lane cross-section with raised or painted median (used for left turn movements); • Minimum spacing for principal street intersections along Major streets should be one-eighth mile. Where overriding circumstances would not allow the minimum spacing policy to be maintained, left turn restrictions should be considered at minor unsignalized driveways; • As a primary traffic carrier, curbside parking may not be considered appropriate along the more heavily traveled Major segments within the City; and • Additional right-of-way/easement dedications should be considered at all key intersections with other Urban Arterials, Arterials, and Major streets for the accommodation of full-width auxiliary turn lanes or dual-left turn lanes.

Table 5.4-7 [continued]
City of Murrieta Functional Roadway Classifications

Roadway Classification	Typical Curb-to-Curb Width	Typical Right-of-Way Width	Description
Secondary	64'	88'	Features include: • A four lane cross-section without median (undivided); • Minimum intersection spacing of approximately 330 feet while avoiding direct access from private residential properties where possible; • Curbside parking is allowed except where left turn lanes are needed; • Additional right-of-way/easement dedications should be considered at select intersection approaches where a separate right-turn lane is required.
Scenic Rural Parkway	N/A	N/A	The intent of a Scenic Rural Parkway is to provide a circulation facility through primarily rural areas where care must be taken to preserve environmental and historic concerns which are important to the overall character and vision of the City of Murrieta. A Scenic Rural Parkway would consist of two travel lanes which can be divided by a landscaped median when sufficient right-of-way can be obtained without encroaching on adjacent environmental or historic resources. Enhanced width parkways would be required to protect against adjacent resources and provide for multi-purpose trails where feasible. Exact right-of-way and intersection requirements would be determined by specific planning to respond to local environmental and historic preservation issues. Features include: • A two lane roadway divided by a landscaped median where feasible, with enhanced intersection capacity where required to handle projected traffic volumes; • Rural features should be incorporated within enhanced parkways, such as split rail fencing or other rural character elements; • Existing on-site environmental and historic features worthy of preservation; • Multi-purpose trails would be provided within the right-of-way when appropriate and feasible and curbside parking is generally not considered appropriate.
Collector	44'	66'	Features include: • A two lane cross-section without median (undivided); • Primary function of collecting and distributing local traffic.

Source: *Murrieta General Plan 2035 Existing Conditions Background Report Draft*, prepared by RBF Consulting, January 2010

Regional Facilities

Regional access to the City of Murrieta is provided primarily by I-15 and I-215 which traverse generally through the western and central portion of the City, respectively. SR-79, which travels along the eastern border of the City, also provides regional access from the northeast. A summary of the facilities that provide regional access is provided below.

Interstate 15 – I-15, also known as the Corona Freeway, traverses in a generally north/south direction, diagonally through the western portion of the City of Murrieta. To the north, I-15 continues through Riverside and San Bernardino Counties and is the link to the I-10 Freeway (San Bernardino Freeway) and State Routes 91 (Riverside Freeway) and 60 (Pomona Freeway), and the greater Los Angeles area. Near the City of Murrieta, daily traffic volumes on I-15 range from approximately 109,000 to 186,000 vehicles per day.

Interstate 215 – I-215, also known as the Escondido Freeway, traverses in a north/south direction through the central portion of the City of Murrieta. To the north, I-215 continues through Riverside County and connects at its northerly terminus with SR-60 in the Moreno Valley area. Near the City of Murrieta, daily traffic volumes on I-215 range from approximately 83,000 to 91,000 vehicles per day.

State Route 79 – SR-79, also known as Winchester Road, runs in a northeasterly direction from the interchange at the I-15 freeway through the eastern portion of the City of Murrieta toward the City of Hemet. SR-79 generally provides a parallel north/south route to the I-215 freeway, east of the freeway. Existing daily traffic volumes on SR-79 range from approximately 23,500 to 31,500 vehicles per day.

Key Existing Streets

Clinton Keith Road – Clinton Keith Road is an east/west roadway that runs through the middle of the City of Murrieta. The roadway provides access to both the I-15 and I-215 Freeways at interchanges, but is discontinuous east of the I-215 Freeway. The roadway is currently two to four lanes undivided and carried 2008 traffic volumes ranging from approximately 9,100 vehicles per day west of Calle Del Oso Oro to 11,100 vehicles per day east of Calle Del Oso Oro.

Scott Road – Scott Road is an east/west road along the northern border of the City of Murrieta that runs westerly from Winchester Road and provides access to the I-215 Freeway. West of the I-215 Freeway, Scott Road transitions to Bundy Canyon Road, which provides interchange access to the I-15 Freeway. The existing roadway cross-section is two to four lanes mostly undivided between the I-215 and Winchester Road. The 2008 traffic volumes are approximately 23,300 vehicles per day at Antelope Road just east of the I-215 Freeway.

Washington Avenue – Washington Avenue is a north/south roadway that runs parallel to the I-15 freeway through the City of Murrieta and becomes Palomar Street to the north. The existing roadway is two lanes undivided south of Ivy Street, and four lanes north of Kalmia Street. A special two-lane design with angled on-street parking was recently completed in the Historic Murrieta area between Ivy Street and Kalmia Street. The 2008 traffic volumes range from approximately 600 vehicles per day east of De Luz Road to 20,800 vehicles per day west of Kalmia Street.

California Oaks Road – California Oaks Road is a north/south roadway that runs southerly from Clinton Keith Road to the I-15 Freeway where it provides freeway access at an interchange. The existing roadway cross-section is four lanes divided north of the I-15 Freeway, and two lanes undivided south of the I-15 Freeway where it becomes known as Kalmia Street. The 2008 traffic volumes range from approximately 15,100 vehicles per day immediately south of the Clinton Keith Road intersection to approximately 42,600 vehicles per day between the I-15 Freeway interchange and Monroe Avenue.

Los Alamos Road – Los Alamos Road runs diagonally northeast across the City of Murrieta providing freeway access to the I-215 Freeway at an interchange. West of the I-15 Freeway, this two lane undivided roadway becomes known as Ivy Street. The 2008/2009 traffic volumes range from approximately 3,600 (2009 traffic volume) vehicles per day south of Clinton Keith Road to 23,000 (2008 traffic volume) vehicles per day east of the I-215 Freeway. West of the I-215 Freeway, volumes are approximately 19,200 (2008 traffic volume) vehicles per day.

Murrieta Hot Springs Road – Murrieta Hot Springs Road is an east/west roadway that crosses both I-15 and I-215 Freeways just north of the freeway confluence, and provides access to both freeways with interchanges. West of Jefferson Avenue, Murrieta Hot Springs Road becomes known as Hawthorn Street. Murrieta Hot Springs Road connects to SR-79. The roadway currently has four to six lanes with medians between Madison Avenue and Jackson Avenue. The 2008 traffic volumes range from approximately 42,600 vehicles per day west of the I-15 Freeway to 61,200 vehicles per day between the I-15 and I-215 Freeways. East of I-215, the roadway volumes range from 74,500 vehicles per day at Alta Murrieta Drive, 51,200 vehicles per day west of Via Princessa West, and 40,000 vehicles per day east of Calle Del Lago.

Jefferson Avenue – Jefferson Avenue is a northwest/south roadway that runs parallel to the I-15 Freeway. Jefferson Avenue varies from four to six lanes with medians to two lanes undivided, and construction is on-going. Traffic volumes in 2008 range from approximately 2,800 vehicles per day north of Nutmeg Street to about 29,000 vehicles per day between Fig Street and Elm Street.

Jackson Avenue – Jackson Avenue is a northwest/south roadway that runs parallel to the I-15 Freeway. Jackson Avenue varies from four lanes divided at the south and two lanes undivided at the north end. The 2008 traffic volumes range from 7,100 north of Nutmeg Street to approximately 14,900 vehicles per day between Nutmeg Street and California Oaks Road.

Antelope Road – Antelope Road is a north/south frontage road that runs parallel to the I-215 Freeway. It is mostly two lanes undivided north of Clinton Keith Road. The 2008 traffic volumes range from approximately 2,300 vehicles per day north of Clinton Keith Road to 8,300 vehicles per day south of Scott Road.

Roadway Segments

Using the City of Murrieta's 2008 daily traffic volumes from *Exhibit 5.4-5*, *2008 Average Daily Traffic Volumes* and the maximum daily roadway capacity values, daily V/C ratios have been determined for locations where daily traffic volumes were available. The general locations of the six roadway segments that currently operate at an unacceptable LOS (LOS D, E or F) per the City of Murrieta's LOS standards are shown below. A map of the 2008 roadway V/C ratios is shown in *Exhibit 5.4-6*, *2008 Daily Volume-to-Capacity Ratios*.

LOS D

- Kalmia Street between Monroe Avenue and Jackson Avenue
- Jefferson Avenue north of Kalmia Street, and north of Elm Street
- Murrieta Hot Springs Road immediately east of I-15
- Nutmeg Street east of Jackson Avenue
- Winchester Road south of Auld Road

LOS E

- Kalmia Street between Madison Street and I-15
- Murrieta Hot Springs Road immediately west of Hancock Avenue
- Murrieta Hot Springs Road from Jackson Avenue to east of Whitewood Road

LOS F

- California Oaks Road between I-15 and Monroe Avenue
- Kalmia Street west of Adams Avenue
- Murrieta Hot Springs Road at I-215 and west of Winchester Road

Existing and Future Intersections

A total of 62 intersections (51 existing intersections and 11 future intersections) in the City of Murrieta were identified as study intersections. Of the 51 existing study intersections, 40 study intersections are currently signalized and 11 are currently stop controlled. Stop sign controlled intersections include side-street stop sign controlled (two-way stop where the major street operates freely) or all-way stop sign controlled intersections (all approaches must stop for stop signs). A list of the 62 study intersections and a map of their locations are provided in *Table 5.4-2* and illustrated in *Exhibit 5.4-4*.

Existing lane configurations and traffic volumes are illustrated in *Exhibit 5.4-7a* and *Exhibit 5.4-7b*, *Existing Lane Configurations*, and *Exhibit 5.4-8a* and *Exhibit 5.4-8b*, *Existing Peak Hour Turning Movement Volumes*, respectively. *Table 5.4-8*, *Existing Intersection Level of Service* provides the existing conditions LOS results for the 51 existing study intersections. As shown, all 51 existing study intersections currently operate at an acceptable level of service of LOS D or better.

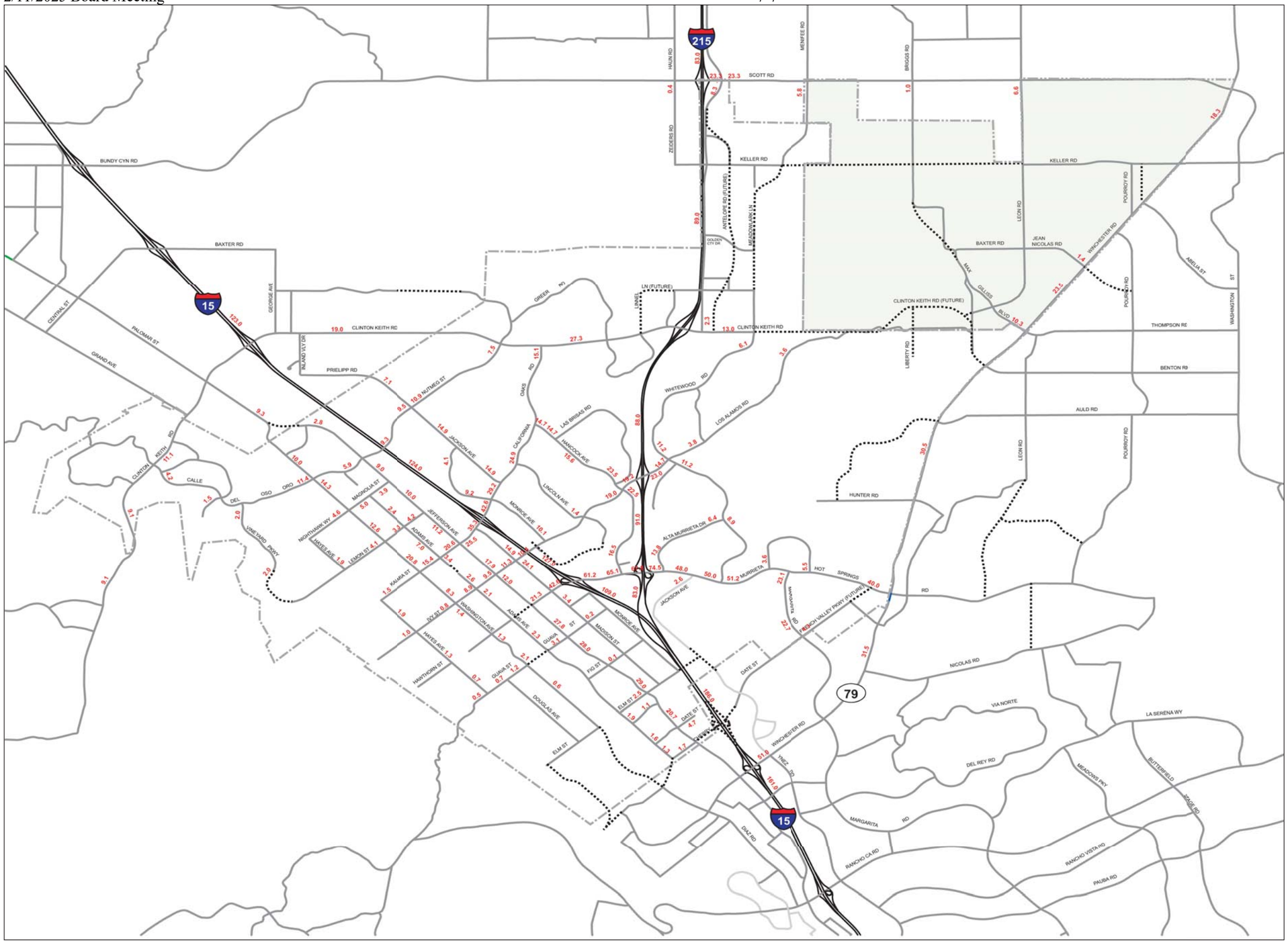
Table 5.4-8
Existing Intersection Level of Service

Int. No.	Intersection	AM Peak Hour		PM Peak Hour	
		LOS	Ave Del/Veh	LOS	Ave Del/Veh
1	Menifee Rd / Scott Rd	B	19.8	B	18.0
2	Leon Rd / Scott Rd	B	12.4	B	13.4
3	Winchester Rd - SR-79 / Scott Rd	C	20.7	B	18.5
4	Antelope Rd / Keller Rd	B	10.4	B	13.5
5	Menifee-Meadowlark Rd/ Keller Rd	A	8.1	A	8.2
6	Briggs Rd / Keller Rd	N/A	N/A	N/A	N/A
7	Leon Rd / Keller Rd	B	10.2	B	11.6
8	Winchester Rd - SR-79 / Keller Rd	B	14.2	C	23.0
9	Antelope Rd / Golden City Drive – Baxter Rd	N/A	N/A	N/A	N/A
10	Whitewood-Meadowlark/ Golden City Dr – Baxter Rd	N/A	N/A	N/A	N/A
11	Briggs Rd / Baxter Rd – Jean Nicholas	N/A	N/A	N/A	N/A
12	Leon Rd / Jean Nicholas	B	10.7	B	10.2
13	Winchester Rd - SR-79 / Nicholas - Skyview	A	4.0	A	5.1
14	Antelope Rd / Linnel Lane Extension	N/A	N/A	N/A	N/A
15	Whitewood-Meadowlark/ Linnel Lane Extension	N/A	N/A	N/A	N/A
16	Leon Rd / Max Gillis Rd	C	24.6	C	25.4
17	Winchester Rd - SR-79 / Max Gillis - Thompson	D	37.1	C	25.6
18	California Oaks Rd / Clinton Keith Rd	C	21.7	C	22.4
19	I-215 SB Off-Ramp / Clinton Keith Rd	C	23.9	C	26.1
20	I-215 NB Off-Ramp / Clinton Keith Rd	C	26.2	C	23.1
21	Antelope Rd / Clinton Keith Rd	N/A	N/A	N/A	N/A
22	Meadowlark – Whitewood Rd / Clinton Keith Rd	B	10.5	B	13.4
23	Liberty Rd / Clinton Keith Rd	N/A	N/A	N/A	N/A
24	Leon Rd / Clinton Keith Rd	N/A	N/A	N/A	N/A
25	Winchester Rd - SR-79 / Clinton Keith Rd - Benton Rd	B	14.4	C	21.2
26	Winchester Rd - SR-79 / Via Mira Mosa – Auld Rd	B	14.2	B	14.4
27	Monroe Ave / Los Alamos	B	15.0	B	12.4
28	Jefferson Ave / Murrieta Hot Springs Rd	C	21.2	C	20.7
29	Madison Ave / Murrieta Hot Springs Rd	C	25.3	C	34.2
30	I-15 SB Off-Ramp / Murrieta Hot Springs Rd	B	17.7	B	18.9
31	I-15 NB Off-Ramp / Murrieta Hot Springs Rd	B	11.8	B	15.3
32	I-215 SB Off-Ramp / Murrieta Hot Springs Rd	B	16.0	B	14.5

Table 5.4-8 [continued]
Existing Intersection Level of Service

Int. No.	Intersection	AM Peak Hour		PM Peak Hour	
		LOS	Ave Del/Veh	LOS	Ave Del/Veh
33	I-215 NB Off-Ramp / Murrieta Hot Springs Rd	A	5.4	A	10.0
34	Jackson Ave / Murrieta Hot Springs Rd	A	4.3	A	6.2
35	Margarita Rd/ Murrieta Hot Springs Rd	B	19.2	C	23.7
36	French Valley – Date St / Murrieta Hot Springs Rd	N/A	N/A	N/A	N/A
37	Jefferson Ave / Guava St	A	2.0	A	1.4
38	Jefferson Ave / Cherry St	C	15.2	C	15.0
39	Washington Ave / Calle del Oso Oro – Nutmeg St	C	29.2	C	26.8
40	Clinton Keith Rd / Calle de Oso Oro – Bear Creek Dr	B	13.6	B	16.2
41	Jefferson Ave / Nutmeg St	B	13.2	B	12.9
42	Jefferson Ave / Magnolia	C	18.2	C	21.2
43	Jefferson Ave / Lemon St	B	10.9	A	6.6
44	Jefferson Ave / Kalmia St	C	26.2	C	26.7
45	Jefferson Ave / Juniper St	B	18.6	B	13.8
46	Jefferson Ave / Ivy St – Los Alamos Rd	C	27.9	C	25.2
47	Madison Ave / Kalmia St	B	16.2	C	20.3
48	I-15 SB Ramps / Kalmia St	C	20.4	C	21.0
49	Monroe Ave / Murrieta Hot Springs Rd	C	15.8	C	23.8
50	Hancock Ave / Murrieta Hot Springs Rd	B	11.7	B	14.7
51	Alta Murrieta Dr / Murrieta Hot Springs Rd	C	21.3	C	28.1
52	Winchester Rd (SR-79) / Murrieta Hot Springs Rd	C	24.0	C	26.4
53	Hancock Ave / Los Alamos Rd	C	28.4	C	34.5
54	I-215 SB Ramps / Los Alamos Rd	B	18.0	B	15.6
55	I-215 NB Ramps / Los Alamos Rd	B	15.4	B	15.0
56	Whitewood Rd / Los Alamos Rd	C	26.7	C	26.0
57	Whitewood Rd / Murrieta Hot Springs Rd	B	12.6	A	9.7
58	Adams Ave / Guava St	A	8.6	A	9.3
59	Nutmeg St / Clinton Keith Rd	C	20.6	C	21.0
60	Murrieta Oaks Ave – Mitchell Rd/Clinton Keith Rd	B	14.5	A	5.8
61	I-215 SB Ramps / Scott Rd	C	23.2	C	25.6
62	I-215 NB Ramps / Scott Rd	B	18.0	C	23.4

Source: Iteris, *Draft Traffic Impact Analysis*, January 28, 2011.



LEGEND

17.6 ADT Volume (in Thousands)

City of Murrieta Boundary

Sphere of Influence

0 0.5 1
Miles

Source: City of Murrieta.

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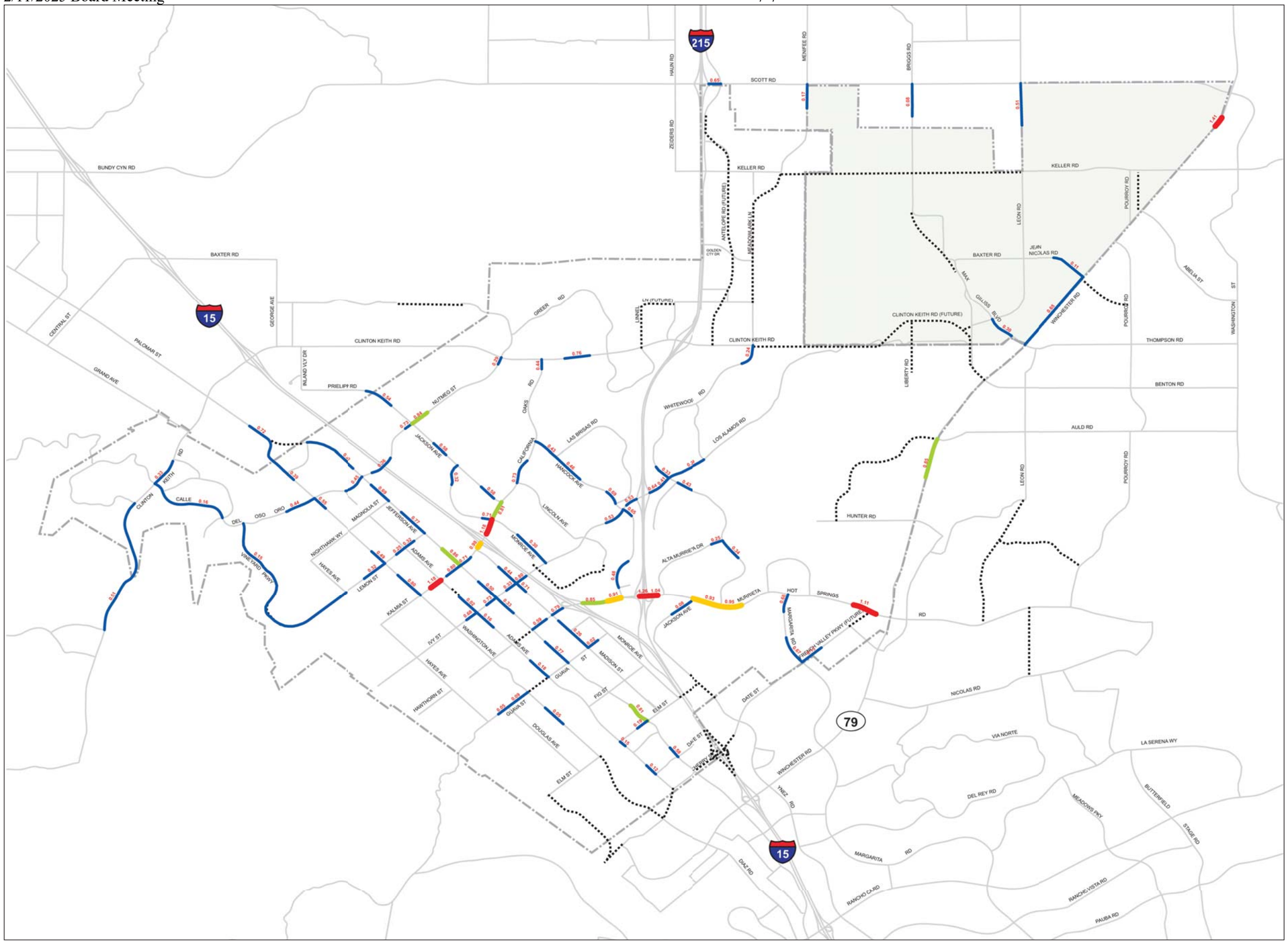
2008 Average Daily Traffic Volumes

Exhibit 5.4-5

Back of 11 x 17 exhibit.



LEGEND

- 0.73 Volume/Capacity Ratio
- LOS A - C
- LOS D
- LOS E
- LOS F
- City of Murrieta Boundary
- Sphere of Influence
- Future Roadway Alignment

Source: RBF Consulting.

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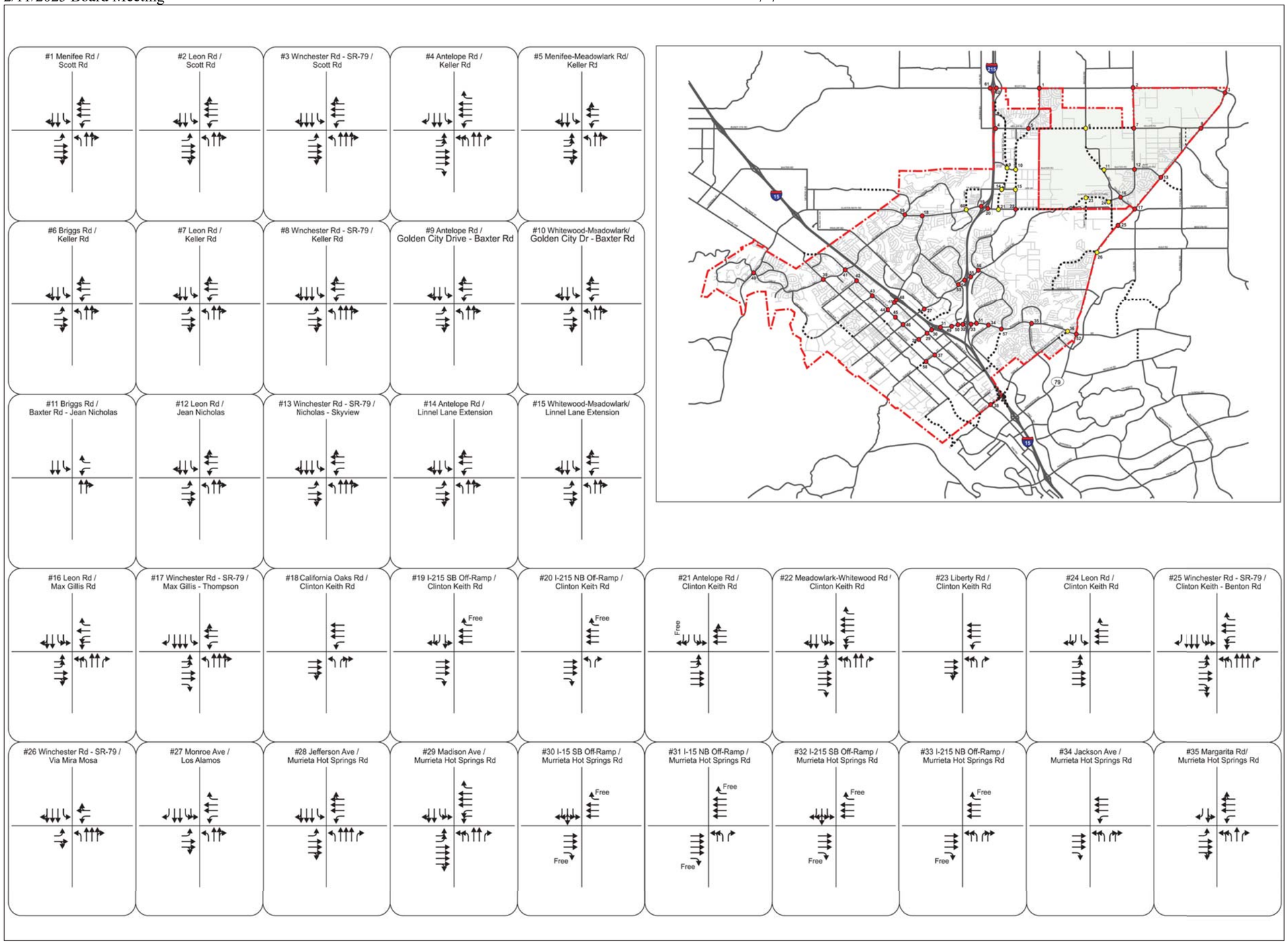
2008 Daily Volume-to-Capacity Ratios

Exhibit 5.4-6

Back of 11 x 17 exhibit.



Murrieta General Plan Update

LEGEND

- Through Lane
- Turn Lane
- Shared Lane
- * Assumed Lane Configuration

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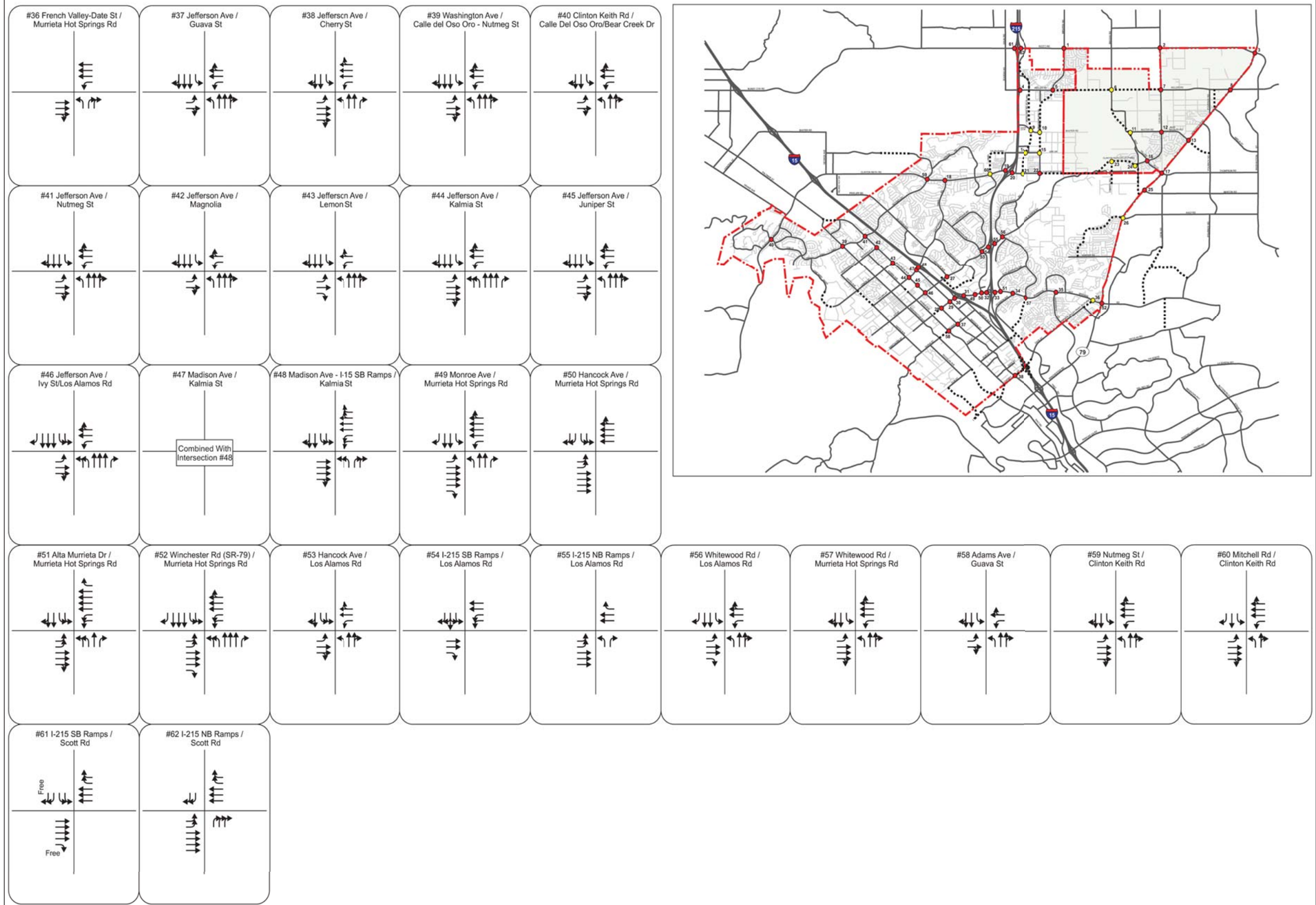
Existing Lane Configurations

Exhibit 5.4-7a

Back of 11 x 17 exhibit.



LEGEND

- Through Lane
- Turn Lane
- Shared Lane
- * Assumed Lane Configuration

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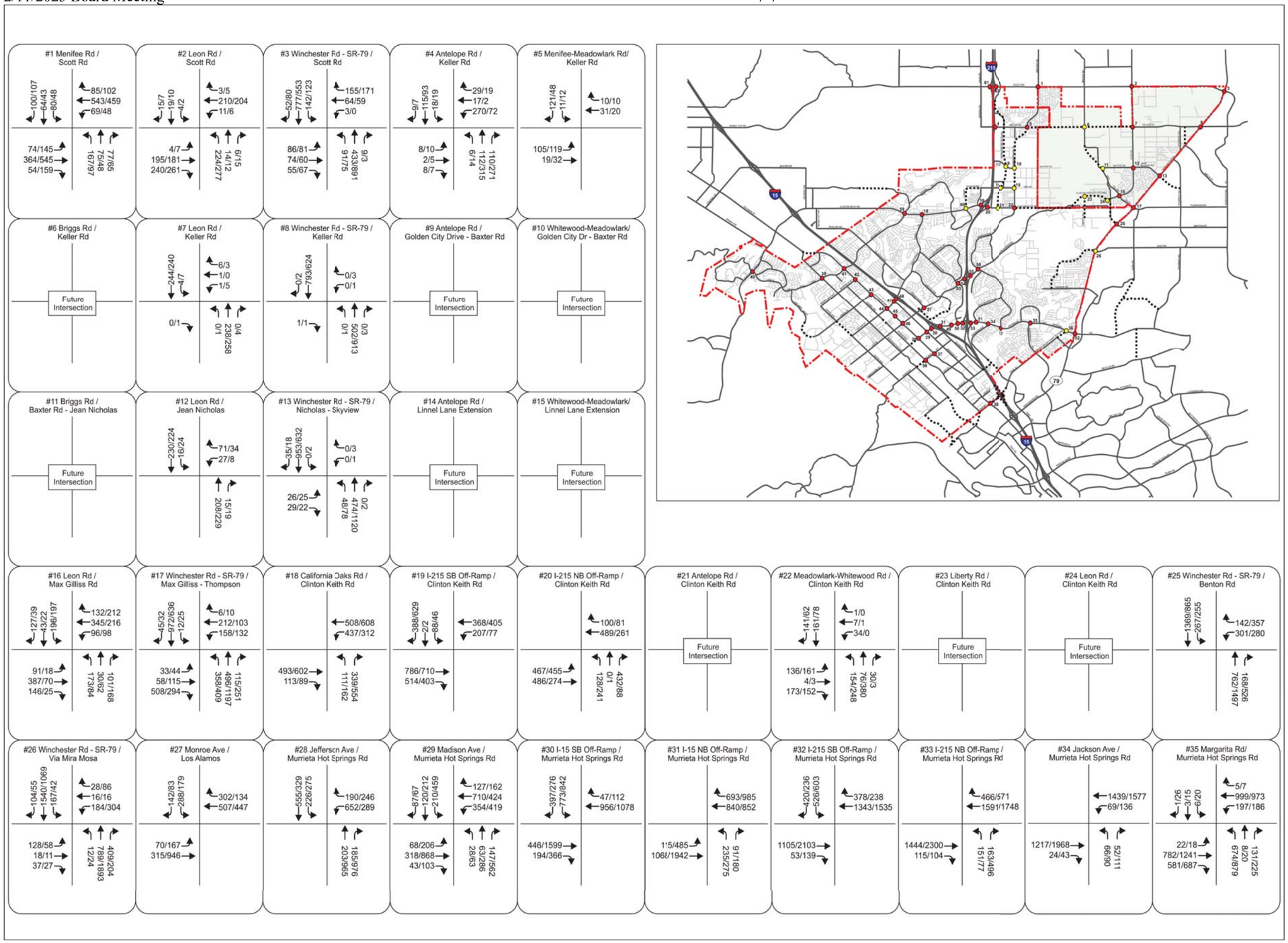
Existing Lane Configurations

Exhibit 5.4-7b

Back of 11 x 17 exhibit.



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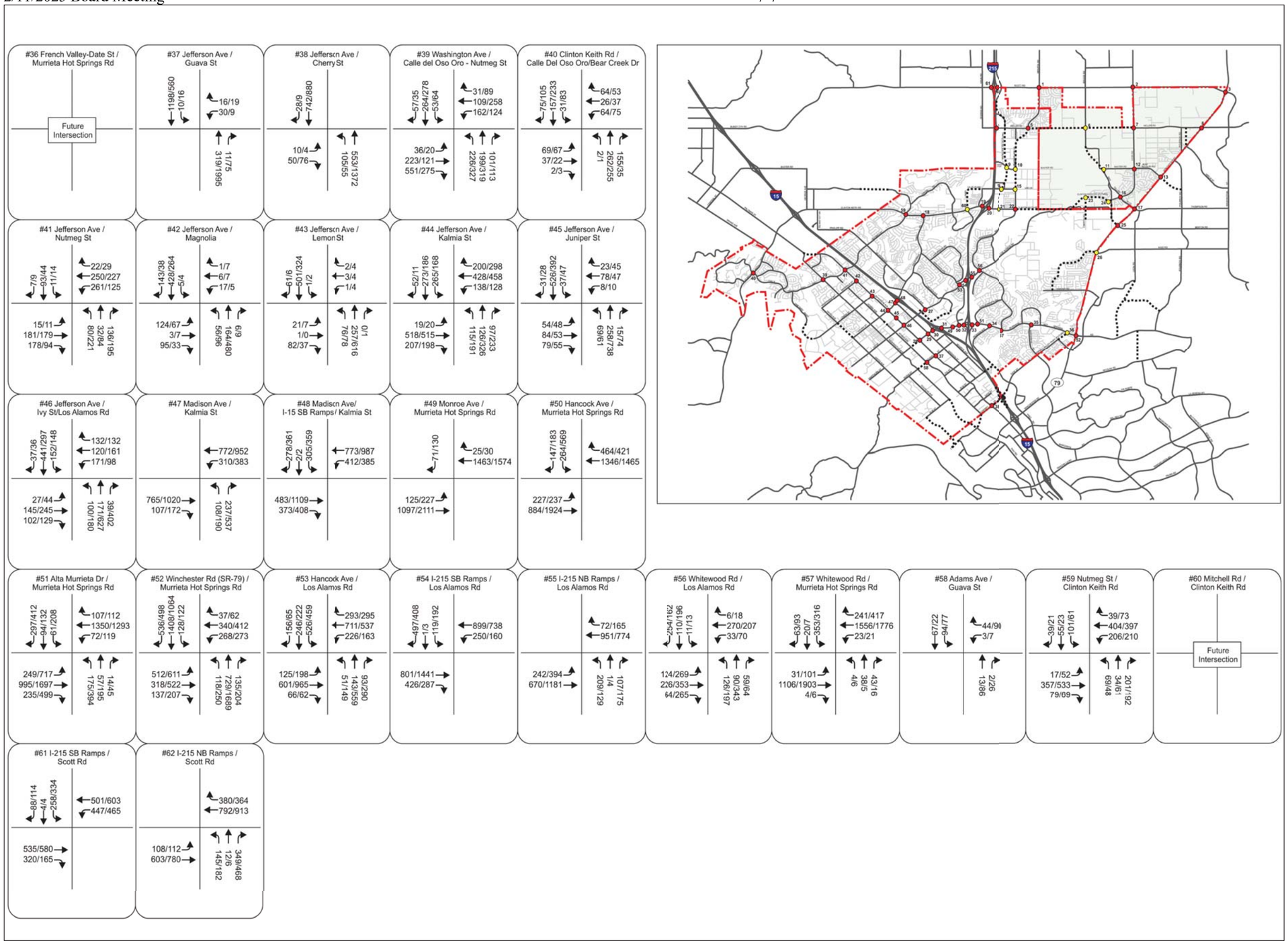
Existing Peak Hour Turning Movement Volumes

Exhibit 5.4-8a

Back of 11 x 17 exhibit.



LEGEND

- Existing Study Intersection
- Future Study Intersection
- City of Murrieta Boundary
- Sphere of Influence
- Future Roadway Alignment
- 31/20 AM Peak Hr/PM Peak Hr

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Existing Peak Hour Turning Movement Volumes

Exhibit 5.4-8b

Back of 11 x 17 exhibit.

TRUCK ROUTES

The designation of truck routes is intended to route truck traffic on City arterials so that trucks cause the least amount of neighborhood disruption. Roadways providing access to the freeways are those most likely to be designated for truck routes. The designated truck routes within the City are shown on *Exhibit 5-9*, *Potential Truck Routes*. These streets have been selected because of their accessibility to the freeway and key industrial/commercial areas. The designation of truck routes does not prevent trucks from using other roads or streets to make deliveries to individual addresses, or for other reasons as defined in the State of California *Motor Vehicle Code*.

TRANSIT SERVICES

Public transit service in and around the City of Murrieta is provided by the Riverside Transit Agency (RTA). The RTA currently offers five fixed bus routes in the City of Murrieta with a variety of fare options for passengers including base fares, day passes, 7-day passes, and 30-day passes; refer to *Exhibit 5.4-10*, *Existing Transit Routes*. General and youth (grades 1-12) base fares for fixed routes are $1.50, senior/disabled/Medicare card holder base fares are $0.70, and a child's base fare (46" tall or under) is $0.25. RTA routes 202, 204, 206, 208, 210, 212, and 217 are commuter routes with fares of $3.00 for general and youth, and $2.00 for senior/disabled/Medicare card holders and children.

In addition to fixed and commuter bus services, the City of Murrieta also offers a Dial-A-Ride (DAR) service. The Buddy Fare is part of DAR and offers groups of two to 10 people a ride for $3.00 each way for the entire group, provided all passengers can be picked up within one-half mile of each other and all are traveling to the same destination. DAR also operates a Senior/Disabled DAR service for seniors age 60 and above and for anyone carrying an RTA Disabled ID card or an Americans with Disabilities Act (ADA) card. DAR gives priority service to individuals who are certified under the ADA. Dial-A-Ride fares are $3.00 for senior/disabled/Medicare card holders and $0.50 for children (46" tall or under).

A summary of the RTA transit routes that serve the City of Murrieta is provided below.

- ***RTA Route 23 (Temecula-Murrieta-Wildomar)*** – RTA Route 23 operates between the Community Center in Temecula and the Inland Valley Regional Medical Center in Wildomar. Key points of interest along Route 23 in the City of Murrieta include Vista Murrieta High School, Rancho Springs Medical Center, Murrieta Springs Plaza, Murrieta Senior Center and City Hall, and Murrieta Valley High School. Weekday AM peak hour headway is approximately one hour and 20 minutes, weekday PM peak hour headway ranges between 40 minutes and an hour and 15 minutes, and weekend mid-day peak hour headway is one hour. Days of operation are Monday through Sunday, with reduced service on New Year's Day, Memorial Day, Independence Day, and Labor Day, and no service on Thanksgiving Day and Christmas Day.

- ***RTA Route 61 (Sun City – Menifee – Murrieta – Temecula)*** – RTA Route 61operates between the County Center in Temecula and the Menifee Valley Medical Center in Menifee. A key point of interest along Route 61 in the City of Murrieta is the Rancho Springs Medical Center. Weekday peak hour headway is approximately one hour and 15 minutes. Days of operation are Monday through Friday. Route 61 does not operate on weekends or on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

- ***RTA Commuter Link Route 202 (Murrieta – Temecula – Oceanside Transit Center)*** – RTA Route 202 is a commuter route that operates between Oceanside and Murrieta, and provides a direct link to the Oceanside Transit Center. Route 202 operates four morning trips and three evening trips that correspond with the Amtrak departure/arrival schedule. Days of operation are Monday through Friday. Route 202 does not operate on weekends or on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

- ***RTA Commuter Link Route 206 (Temecula – Murrieta – Lake Elsinore – Corona Metrolink)*** – RTA Route 206 is a commuter route that operates between Temecula and Corona, and provides a direct link to the North Main Corona Metrolink Station. Route 206 operates five northbound trips and four southbound trips during the morning, and two northbound trips and six southbound trips during the evening to correspond with the Metrolink departure/arrival schedule. Days of operation are Monday through Friday. Route 206 does not operate on weekends or on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

- ***RTA Commuter Link Route 208 (Temecula – Murrieta – Sun City – Perris – Moreno Valley – Downtown Terminal)*** – RTA Route 208 is a commuter route that operates between Temecula and Riverside, and provides a direct link to the Riverside-Downtown Metrolink station and bus terminal. Route 208 operates five northbound trips and three southbound trips during the morning, and four northbound trips and four southbound trips during the evening to correspond with the Metrolink departure/arrival schedule. Days of operation are Monday through Friday. Route 208 does not operate on weekends or on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

- ***RTA Dial-A-Ride Murrieta/Temecula*** – RTA DAR Murrieta/Temecula is a reservation-based transportation service that travels to and from locations within the Cities of Murrieta and Temecula, and parts of Winchester. Reservation hours are Monday through Friday, 7:00 AM to 6:00 PM, and on weekends from 8:00 AM to 5:00 PM.

RAILWAYS

While the City experienced a large boom due in part to the installation of Southern California Railroad tracks in 1892, the trains ceased operation in 1935. There are currently no active railways in the City of Murrieta.

AVIATION FACILITIES

The French Valley Airport is a county-owned public-use airport located on SR-79 in unincorporated Riverside County, adjacent to Murrieta and Temecula. The airport covers an area of approximately 261 acres, with a single, 6,000-foot long, 75-foot wide asphalt runway. The airport has an average of 269 aircraft operations per day (for the 12-month period ending March 31, 2006), 60 percent are for local general aviation. The 2007 French Valley Airport Land Use Compatibility Plan establishes policies for determining consistency between development projects within the Airport Influence Area, and the objectives set forth in the State Aeronautics Act (Public Utilities Code Section 21670-21679.5). Those objectives call for the Riverside County Airport Land Use Commission to protect public health, safety, and welfare by ensuring the orderly expansion of airports and the adoption of land use measures that minimize the public's exposure to excessive noise and safety hazards within areas around public airports to the extent that these areas are not already devoted to incompatible land uses. The Airport Influence Area includes land in the City of Murrieta, and extends approximately 2.6 miles beyond the airport property line. Refer to Section 5.1, Land Use; Section 5.7, Noise; and Section 5.14, Hazards and Hazardous Materials, for impacts related to the French Valley Airport.

BIKEWAYS AND PEDESTRIAN FACILITIES

The trail and pedestrian systems are made up of sidewalks, pathways, bicycle lanes, and hiking and equestrian trail corridors. These systems enhance the walkability of the community and provide an alternative means of recreational and other travel opportunities. Although the City does not have an officially adopted bicycle map, Murrieta has bicycle trails and lane corridors, as well as traditional sidewalks and pathways, which provide access to parks, shopping centers, employment areas, and public facilities. Facilities include Class I bikeways, which are dedicated rights-of-way designed to be shared with pedestrians, Class II bike and are located both off-street (Class I) and on-street (Class II and III); refer to *Exhibit 5.4-11*, *Trails and Bikeways*. The hiking and equestrian corridors provide recreational opportunities through major conservation and open space areas.

5.4.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, traffic and circulation impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit.

- Conflict with an applicable congestion management program, including, but not limited to LOS standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways.

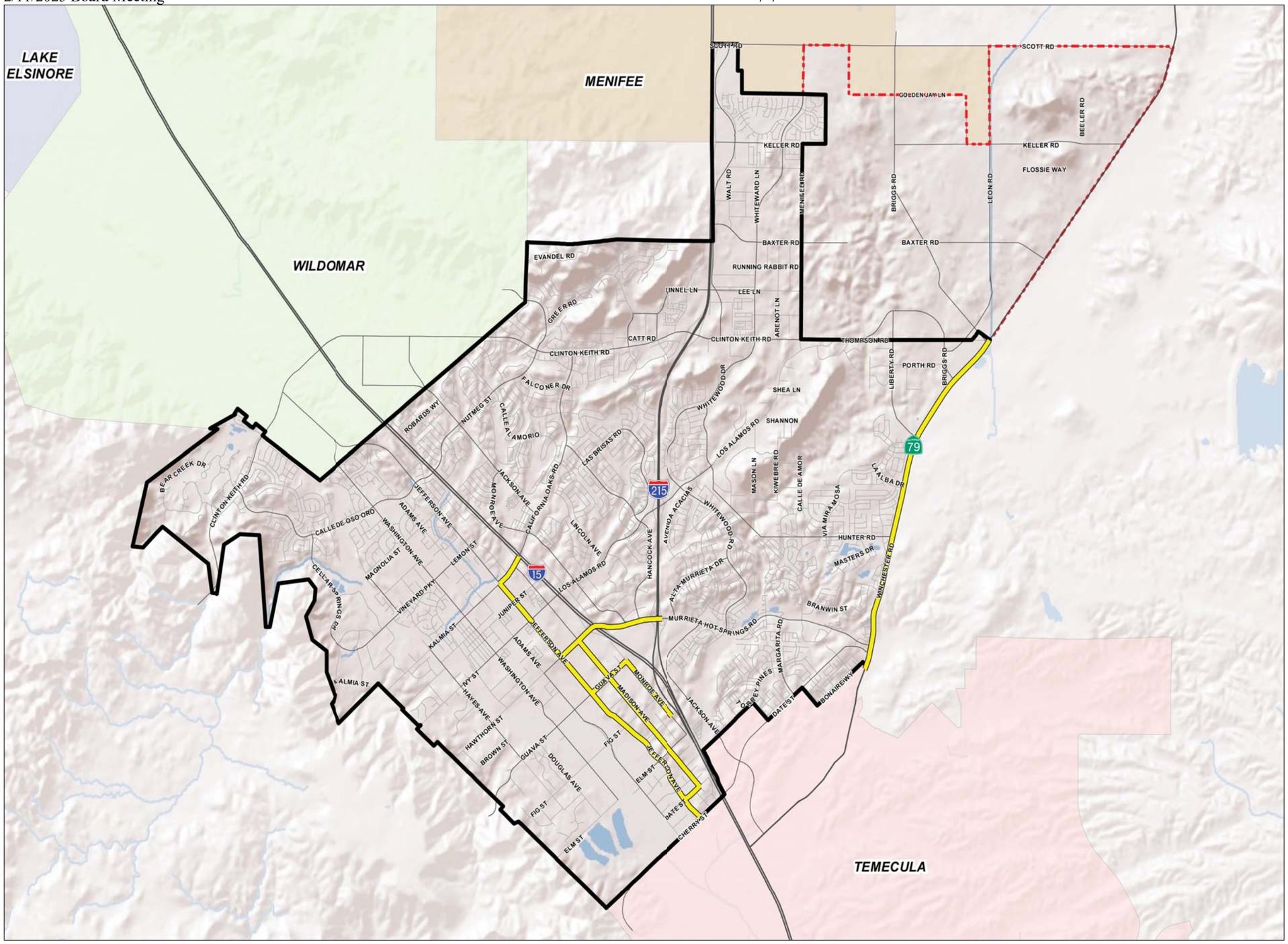
- Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks (Refer to Section 5.14, Hazards and Hazardous Materials).

- Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment).

- Result in inadequate emergency access.

- Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities.

Based on these standards, the effects of the proposed project have been categorized as either a "less than significant impact" or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.



LEGEND

- Truck Routes
- Sphere of Influence
- City Boundary

Truck Routes are designated per Municipal Code Section 10.28.050.

Source: County of Riverside, City of Murrieta, and ESRI - World Shaded Relief.

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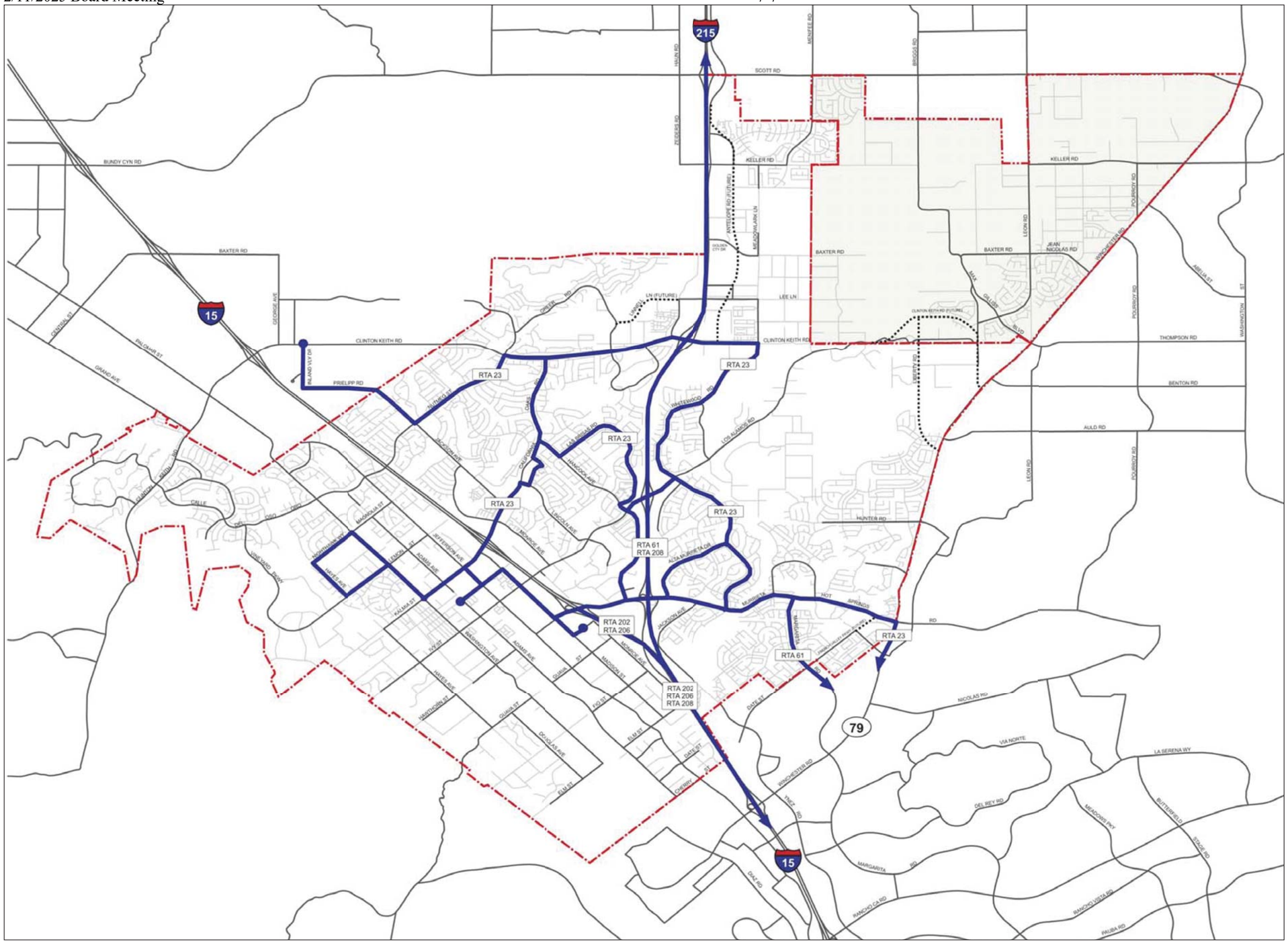
Potential Truck Routes

Exhibit 5.4-9

Back of 11 x 17 exhibit.



Source: RBF Consulting.

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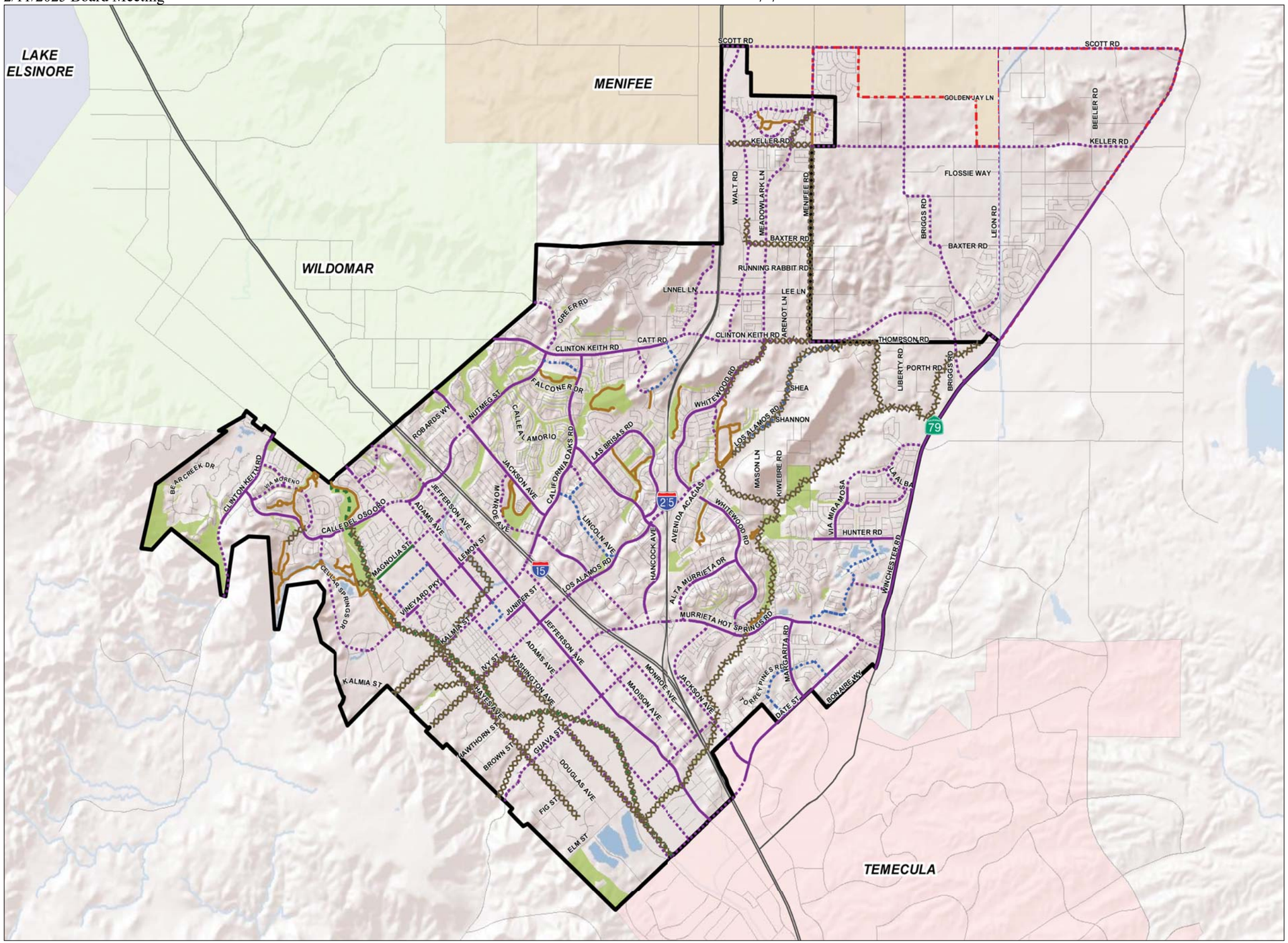
Existing Transit Routes

Exhibit 5.4-10

Back of 11 x 17 exhibit.



LEGEND

Bikeways

Class I: Off-Road
Paved Bike Path

- Class I - Existing
- Class I - Proposed

Class II: On-Road
Striped Bike Lane

- Class II - Existing
- Class II - Proposed

Class III: On-Road
Bike Route (Signage Only)

- Class III - Proposed

Multi-Purpose Trails

Open to horses, bikes and walking

- Existing
- Proposed

- Open Space
- Sphere of Influence
- City Boundary

0 0.5 1
Miles

Source: City of Murrieta, and ESRI - World Shaded Relief.

RBF CONSULTING

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Trails and Bikeways

Exhibit 5.4-11

Back of 11 x 17 exhibit.

5.4.4 PROJECT IMPACTS AND MITIGATION MEASURES

PROPOSED GENERAL PLAN 2035 TRAFFIC OPERATIONS

■ IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD CONFLICT WITH AN APPLICABLE PLAN, ORDINANCE, OR POLICY ESTABLISHING MEASURES OF EFFECTIVENESS FOR INTERSECTIONS.

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: The land uses contained within the recommended scenario, which is the recommended land use plan for the proposed General Plan 2035, were converted into socioeconomic (SED) data, and input into the Murrieta travel demand model. The data is summarized for the City and the Sphere of Influence in *Table 5.4-9*, *SED Summary*.

Table 5.4-9
SED Summary

	Population			Households			Employment		
	City	Sphere	Total	City	Sphere	Total	City	Sphere	Total
Recommended Scenario (Proposed Project)	133,261	25,499	158,760	44,484	8,489	52,973	130,153	3,086	133,239
Source: Iteris, *Traffic Impact Analysis*, September 8, 2011.									

The future roadway network generally conforms to the current adopted (2006) Murrieta Circulation Element. The City has identified changes to the roadway network; these have been incorporated into the travel demand mode. Other changes in the model were made in order to reflect how the roadways generally function. Changes include:

- Jefferson Avenue from Lemon Street to north of Nutmeg Street – modeled as six Lanes.
- Keller Road between Menifee Road and Briggs Road added as a Secondary.
- Removal of connection of Linnel Lane to Greer Road.
- Removal of connection of Liberty Road to Winchester Road.
- Removal of the connection of Monroe Avenue at Elm Street.

- Removal of Hunter Road as a Collector from west of Via Mira Mosa to Whitewood Road.

- Extension of Whitewood Road as a Major between Murrieta Hot Springs Road and Jackson Avenue (when modeled).

- Hayes Avenue from Guava Street to Kalmia Avenue – and between Nighthawk Way and Vineyard Parkway – modeled as a Collector.

- Washington Avenue from Hawthorn Street to Kalmia Avenue – modeled as a Collector.

- Nighthawk Way/Magnolia Street between Hayes Avenue to Jefferson Street – modeled as a Collector.

- Kalmia Street from west City boundary to Washington Avenue; Ivy Street from West City Limits to Washington Avenue; portions of Hawthorne Street from west City boundary to Adams Avenue; Douglas Avenue from Elm Street to Guava Street; Washington Avenue from south City boundary to Elm Street; Date Street from Adams Avenue to Madison Avenue; Corning Place between Adams Avenue and Jefferson Avenue; Adams Avenue between Ivy Street and Magnolia Street, and south of Calle del Oso Oro; Fig Street between Adams Avenue and Monroe Avenue – all modeled as Collectors.

- Elm Street between Hayes Avenue and Washington Avenue; and Hayes Avenue between south City boundary and Elm Avenue – modeled as Secondaries.

- Nutmeg Street between Clinton Keith Road and north City boundary; Lincoln Avenue between Los Alamos Road and California Oaks Road; Vista Murrieta from Monroe Avenue to Los Alamos Road; and Greer Road between Clinton Keith Road the Greer Ranch Entry Gate – all modeled as Collectors.

- McElwain Road between Clinton Keith Road and Linnel Lane – modeled as Secondary.

- Linnel Lane between Meadowlark Road and City boundary; Somers Road between old Antelope Road and Antelope Road; Keller Road between Menifee Road and Briggs Road – all modeled as Secondaries.

- Ruth Ellen Way between Whitewood Road and Los Alamos Road; Los Alamos Road from east of Whitewood Road to south of Clinton Keith Road; Via Mira Mosa between Winchester Road and Hunter Road; Liberty Road south of Clinton Keith Road – all modeled as Collectors.

Other than the extension of Whitewood Road between Jackson Avenue and Murrieta Hot Springs Road, the 2035 buildout model network is consistent throughout the recommended scenario. The resultant travel demand model volumes were post-processed to obtain roadway link and intersection volumes. The number of travel lanes in the buildout model is shown in *Exhibit 5.4-12*, *Future Roadway Lanes*.

For intersections, the buildout intersection lane configurations incorporate the General Plan buildout number of through lanes; and assume a separate left turn lane and a shared right turn lane. If intersections, or legs of intersections, have already been built to their maximum configuration or already designed; these lanes were incorporated.

As part of improvements planned for the I-15 Southbound off-ramp at Kalmia Street/California Oaks Road, the southbound ramp would be relocated and placed opposite Madison Avenue. Therefore, the levels of service for the Madison Avenue at Kalmia Street intersection is not shown in future LOS tables.

Intersection traffic control assumed for future conditions is shown in *Table 5.4-10*, *Future Intersection Traffic Control*.

Recommended Scenario (Proposed General Plan 2035 Land Uses)

Levels of service associated with the buildout of the proposed General Plan 2035 Land Use Policy Map (recommended scenario) were calculated for both roadway links and intersections.

ROADWAY LEVEL OF SERVICE

Using the recommended scenario daily traffic volumes and the maximum daily roadway capacity values, daily V/C ratios have been determined; refer to *Exhibit 5.4-13*, *General Plan 2035 Average Daily Traffic Volumes*. The following roadway segments are projected to operate at an unacceptable LOS (LOS D, E or F) per the City of Murrieta's LOS standards. The daily V/C ratios are shown in *Exhibit 5.4-14*, *General Plan 2035 Daily Volume-to-Capacity Ratios* and generally include, but are not limited to, the following:

LOS D (shown in green on Exhibit 5.4-14):

- Portions of Jefferson Avenue, Washington Avenue, Meadowlark Lane/Menifee Road, Leon Rod, and Whitewood Road.

LOS E (shown in yellow on Exhibit 5.4-14):

- Portions of Jefferson Avenue, California Oaks Road, Murrieta Hot Springs Road, Clinton Keith Road, Hancock Avenue, and Meadowlark Lane/Menifee Road.

LOS F (shown in red on Exhibit 5.4-14):

Portions of Jefferson Avenue, Los Alamos Road, Clinton Keith Road, Winchester Road, Murrieta Hot Springs Road, Meadowlark Lane/Menifee Road, and Antelope Road.

INTERSECTION LEVEL OF SERVICE

The peak hour turning movement volumes are shown in *Exhibit 5.4-15a* and *Exhibit 5.14-15b, General Plan 2035 Peak Hour Turning Movement Volumes*.

Table 5.4-11, *General Plan 2035 Intersection Level of Service* provides the LOS results for the 61 study intersections. As shown in *Table 5.4-11*, 43 of the 61 intersections would operate at acceptable levels; however the following 18 intersections would operate at levels of service that do not meet the City's standards of acceptability.

- Intersection 1: Menifee Road / Scott Road
- Intersection 3: Winchester Road – SR-79 / Scott Road
- Intersection 4: Antelope Road / Keller Road
- Intersection 9: Antelope Road / Golden City Drive – Baxter Road
- Intersection 10: Whitewood – Meadowlark / Golden City Drive – Baxter Road
- Intersection 18: California Oaks Road / Clinton Keith Road
- Intersection 20: I-215 NB Off-Ramp / Clinton Keith Road
- Intersection 22: Meadowlark – Whitewood Road / Clinton Keith Road
- Intersection 25: Winchester Road – SR-79 / Clinton Keith Road – Benton Road
- Intersection 28: Jefferson Avenue / Murrieta Hot Springs Road
- Intersection 29: Madison Avenue / Murrieta Hot Springs Road
- Intersection 44: Jefferson Avenue / Kalmia Street
- Intersection 52: Winchester Road (SR-79) / Murrieta Hot Springs Road
- Intersection 53: Hancock Avenue / Los Alamos Road
- Intersection 54: I-215 SB Ramps / Los Alamos Road
- Intersection 57: Whitewood Road / Murrieta Hot Springs Road
- Intersection 59: Nutmeg Street / Clinton Keith Road
- Intersection 60: Mitchell Road / Clinton Keith Road

Table 5.4-10
Future Intersection Traffic Control

Int. No.	Intersection	Future Traffic Control
1	Menifee Rd / Scott Rd	Signalized
2	Leon Rd / Scott Rd	Signalized
3	Winchester Rd – SR-79 / Scott Rd	Signalized
4	Antelope Rd / Keller Rd	Signalized
5	Menifee-Meadowlark Rd/ Keller Rd	Signalized
6	Briggs Rd / Keller Rd	Signalized
7	Leon Rd / Keller Rd	Signalized
8	Winchester Rd – SR-79 / Keller Rd	Signalized
9	Antelope Rd / Golden City Drive – Baxter Rd	Signalized
10	Whitewood-Meadowlark/ Golden City Dr – Baxter Rd	Signalized
11	Briggs Rd / Baxter Rd – Jean Nicholas	Signalized
12	Leon Rd / Jean Nicholas	Signalized
13	Winchester Rd – SR-79 / Nicholas – Skyview	Signalized
14	Antelope Rd / Linnel Lane Extension	Signalized
15	Whitewood-Meadowlark/ Linnel Lane Extension	Signalized
16	Leon Rd / Max Gillis Rd	Signalized
17	Winchester Rd – SR-79 / Max Gillis – Thompson	Signalized
18	California Oaks Rd / Clinton Keith Rd	Signalized
19	I-215 SB Off-Ramp / Clinton Keith Rd	Signalized
20	I-215 NB Off-Ramp / Clinton Keith Rd	Signalized
21	Antelope Rd / Clinton Keith Rd	Signalized
22	Meadowlark – Whitewood Rd / Clinton Keith Rd	Signalized
23	Liberty Rd / Clinton Keith Rd	Signalized
24	Leon Rd / Clinton Keith Rd	Signalized
25	Winchester Rd – SR-79 / Benton Rd	Signalized
26	Winchester Rd – SR-79 / Via Mira Mosa – Auld Rd	Signalized
27	Monroe Ave / Los Alamos	Signalized
28	Jefferson Ave / Murrieta Hot Springs Rd	Signalized
29	Madison Ave / Murrieta Hot Springs Rd	Signalized
30	I-15 SB Off-Ramp / Murrieta Hot Springs Rd	Signalized
31	I-15 NB Off-Ramp / Murrieta Hot Springs Rd	Signalized
32	I-215 SB Off-Ramp / Murrieta Hot Springs Rd	Signalized
33	I-215 NB Off-Ramp / Murrieta Hot Springs Rd	Signalized
34	Jackson Ave / Murrieta Hot Springs Rd	Signalized
35	Margarita Rd/ Murrieta Hot Springs Rd	Signalized
36	French Valley – Date St / Murrieta Hot Springs Rd	Signalized
37	Jefferson Ave / Guava St	Signalized
38	Jefferson Ave / Cherry St	Signalized
39	Washington Ave / Calle del Oso Oro – Nutmeg St	Signalized
40	Clinton Keith Rd / Calle de Oso Oro – Bear Creek Dr	Signalized
41	Jefferson Ave / Nutmeg St	Signalized

Table 5.4-10 [continued]
Future Intersection Traffic Control

Int. No.	Intersection	Future Traffic Control
42	Jefferson Ave / Magnolia St	Signalized
43	Jefferson Ave / Lemon St	Signalized
44	Jefferson Ave / Kalmia St	Signalized
45	Jefferson Ave / Juniper St	Signalized
46	Jefferson Ave / Ivy St – Los Alamos Rd	Signalized
47	Madison Ave / Kalmia St	N/A
48	I-15 SB Ramps / Kalmia St	Signalized
49	Monroe Ave / Murrieta Hot Springs Rd	Signalized
50	Hancock Ave / Murrieta Hot Springs Rd	Signalized
51	Alta Murrieta Dr / Murrieta Hot Springs Rd	Signalized
52	Winchester Rd - SR-79 / Murrieta Hot Springs Rd	Signalized
53	Hancock Ave / Los Alamos Rd	Signalized
54	I-215 SB Ramps / Los Alamos Rd	Signalized
55	I-215 NB Ramps / Los Alamos Rd	Signalized
56	Whitewood Rd / Los Alamos Rd	Signalized
57	Whitewood Rd / Murrieta Hot Springs Rd	Signalized
58	Adams Ave / Guava St	Signalized
59	Nutmeg St / Clinton Keith Rd	Signalized
60	Mitchell Rd / Clinton Keith Rd	Signalized
61	I-215 SB Ramps / Scott Rd	Signalized
62	I-215 NB Ramps / Scott Rd	Signalized

Source: Iteris, *Traffic Impact Analysis*, September 8, 2011.

Table 5.4-11
General Plan 2035 Intersection Level of Service

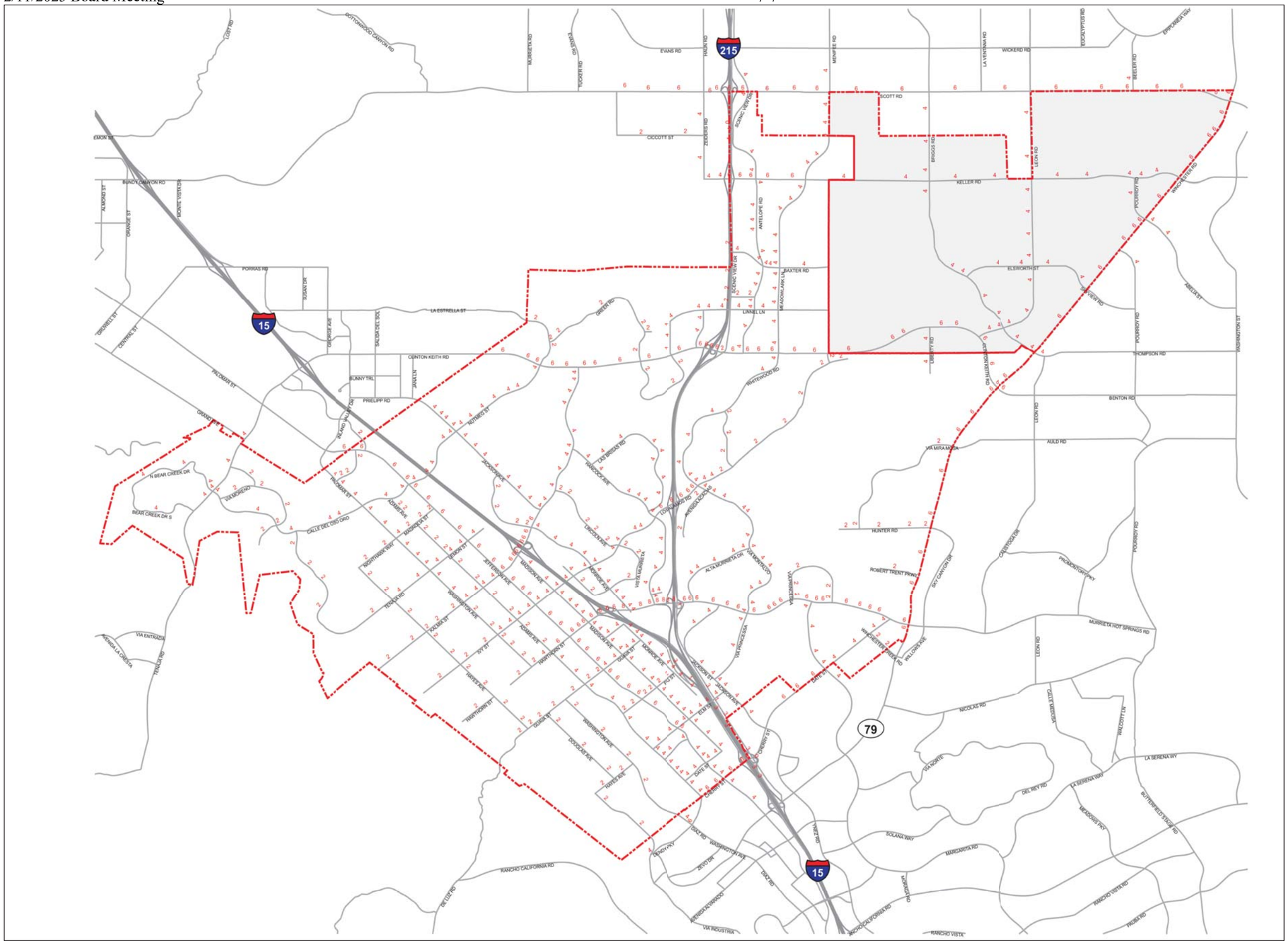
Int. No.	Intersection	AM Peak Hour		PM Peak Hour	
		LOS	Ave Del/Veh	LOS	Ave Del/Veh
1	**Menifee Rd / Scott Rd**	**E**	**68.3**	**F**	**86.3**
2	Leon Rd / Scott Rd	C	27.9	D	46.7
3	**Winchester Rd - SR-79 / Scott Rd**	**F**	**177.4**	**F**	**284.5**
4	**Antelope Rd / Keller Rd**	**F**	**158.6**	**D**	**49.9**
5	**Menifee-Meadowlark Rd/ Keller Rd**	**E**	**68.8**	**D**	**47.6**
6	Briggs Rd / Keller Rd	B	18.5	B	19.0
7	Leon Rd / Keller Rd	B	12.3	C	26.2
8	Winchester Rd - SR-79 / Keller Rd	A	1.6	A	1.6
9	**Antelope Rd / Golden City Drive – Baxter Rd**	**C**	**25.2**	**F**	**89.2**
10	**Whitewood-Meadowlark/ Golden City Dr – Baxter Rd**	**F**	**107.7**	**F**	**113.6**
11	Briggs Rd / Baxter Rd – Jean Nicholas	A	8.8	A	8.3
12	Leon Rd / Jean Nicholas	C	22.1	C	26.4
13	Winchester Rd - SR-79 / Nicholas - Skyview	B	19.7	C	28.5
14	Antelope Rd / Linnel Lane Extension	C	22.1	C	28.5
15	**Whitewood-Meadowlark/ Linnel Lane Extension**	**C**	**26.0**	**D**	**43.7**
16	**Leon Rd / Max Gillis Rd**	**D**	**51.9**	**D**	**40.3**
17	**Winchester Rd - SR-79 / Max Gillis - Thompson**	**C**	**27.1**	**D**	**37.8**
18	California Oaks Rd / Clinton Keith Rd	E	60.7	C	20.7
19	I-215 SB Off-Ramp / Clinton Keith Rd	A	7.9	B	11.5
20	I-215 NB Off-Ramp / Clinton Keith Rd	F	124.7	B	17.1
21	Antelope Rd / Clinton Keith Rd	A	5.1	A	4.5
22	**Meadowlark – Whitewood Rd / Clinton Keith Rd**	**F**	**145.9**	**F**	**121.7**
23	Liberty Rd / Clinton Keith Rd	A	7.4	B	10.0
24	Leon Rd / Clinton Keith Rd	C	26.0	C	28.6
25	**Winchester Rd - SR-79 / Clinton Keith Rd - Benton Rd**	**D**	**38.8**	**D**	**53.7**
26	Winchester Rd - SR-79 / Via Mira Mosa – Auld Rd	C	24.1	C	25.1
27	Monroe Ave / Los Alamos	C	24.5	C	27.5
28	**Jefferson Ave / Murrieta Hot Springs Rd**	**F**	**133.3**	**F**	**206.4**
29	**Madison Ave / Murrieta Hot Springs Rd**	**C**	**26.6**	**F**	**129.6**
30	I-15 SB Off-Ramp / Murrieta Hot Springs Rd	B	16.1	B	14.3
31	I-15 NB Off-Ramp / Murrieta Hot Springs Rd	A	5.7	A	7.9
32	I-215 SB Off-Ramp / Murrieta Hot Springs Rd	B	12.5	B	10.8
33	I-215 NB Off-Ramp / Murrieta Hot Springs Rd	A	5.6	A	9.4
34	Jackson Ave / Murrieta Hot Springs Rd	A	5.1	A	8.5
35	**Margarita Rd/ Murrieta Hot Springs Rd**	**C**	**24.6**	**D**	**49.2**
36	French Valley – Date St / Murrieta Hot Springs Rd	B	12.9	B	18.4
37	Jefferson Ave / Guava St	A	9.4	A	7.9

Table 5.4-11 [continued]
General Plan 2035 Intersection Level of Service

Int. No.	Intersection	AM Peak Hour		PM Peak Hour	
		LOS	Ave Del/Veh	LOS	Ave Del/Veh
38	**Jefferson Ave / Cherry St**	**C**	**21.8**	**D**	**37.8**
39	Washington Ave / Calle del Oso Oro – Nutmeg St	C	27.6	C	27.5
40	Clinton Keith Rd / Calle de Oso Oro – Bear Creek Dr	C	23.7	B	16.5
41	**Jefferson Ave / Nutmeg St**	**D**	**51.1**	**D**	**36.0**
42	Jefferson Ave / Magnolia	B	10.7	A	9.4
43	Jefferson Ave / Lemon St	C	28.2	B	18.3
44	**Jefferson Ave / Kalmia St**	**E**	**59.3**	**F**	**159.9**
45	Jefferson Ave / Juniper St	C	23.4	C	22.3
46	**Jefferson Ave / Ivy St – Los Alamos Rd**	**C**	**26.8**	**D**	**35.8**
47	Madison Ave / Kalmia St	N/A	N/A	N/A	N/A
48	I-15 SB Ramps / Kalmia St	C	29.4	C	30.9
49	Monroe Ave / Murrieta Hot Springs Rd	A	8.0	B	16.2
50	Hancock Ave / Murrieta Hot Springs Rd	B	17.6	B	17.6
51	**Alta Murrieta Dr / Murrieta Hot Springs Rd**	**C**	**23.8**	**D**	**51.9**
52	**Winchester Rd (SR-79) / Murrieta Hot Springs Rd**	**F**	**107.8**	**F**	**104.8**
53	**Hancock Ave / Los Alamos Rd**	**F**	**84.6**	**F**	**223.1**
54	**I-215 SB Ramps / Los Alamos Rd**	**E**	**77.2**	**F**	**157.8**
55	I-215 NB Ramps / Los Alamos Rd	C	25.5	C	24.4
56	**Whitewood Rd / Los Alamos Rd**	**D**	**44.4**	**D**	**44.6**
57	**Whitewood Rd / Murrieta Hot Springs Rd**	**C**	**28.3**	**F**	**88.7**
58	Adams Ave / Guava St	B	12.2	B	14.3
59	**Nutmeg St / Clinton Keith Rd**	**F**	**96.5**	**E**	**78.4**
60	**Mitchell Rd / Clinton Keith Rd**	**C**	**20.4**	**F**	**120.7**
61	I-215 SB Ramps / Scott Rd	A	8.5	A	8.1
62	I-215 NB Ramps / Scott Rd	B	15.9	B	16.2

Source: Iteris, *Traffic Impact Analysis*, September 8, 2011.

Notes:
Bold = LOS D, E, or F



LEGEND

- 4 Future Number of Lanes (2-Way)
- City of Murrieta Boundary
- Sphere of Influence

0 0.5 1
Miles

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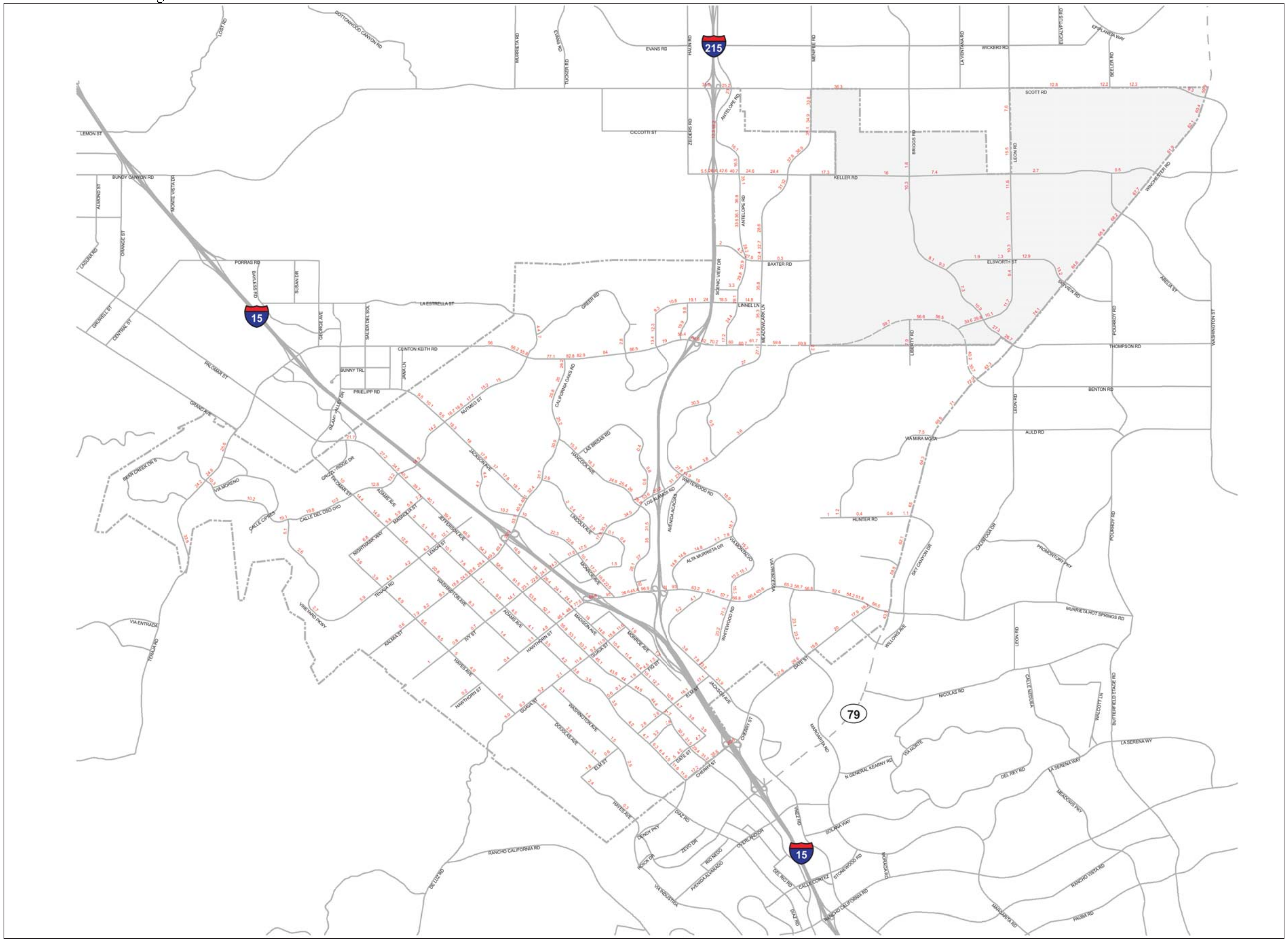
Future Roadway Lanes

Exhibit 5.4-12

Back of 11 x 17 exhibit.



LEGEND

17.6 ADT Volume (in Thousands)
City of Murrieta Boundary
Sphere of Influence

0 0.5 1
Miles

General Plan 2035 Average Daily Traffic Volumes

Exhibit 5.4-13

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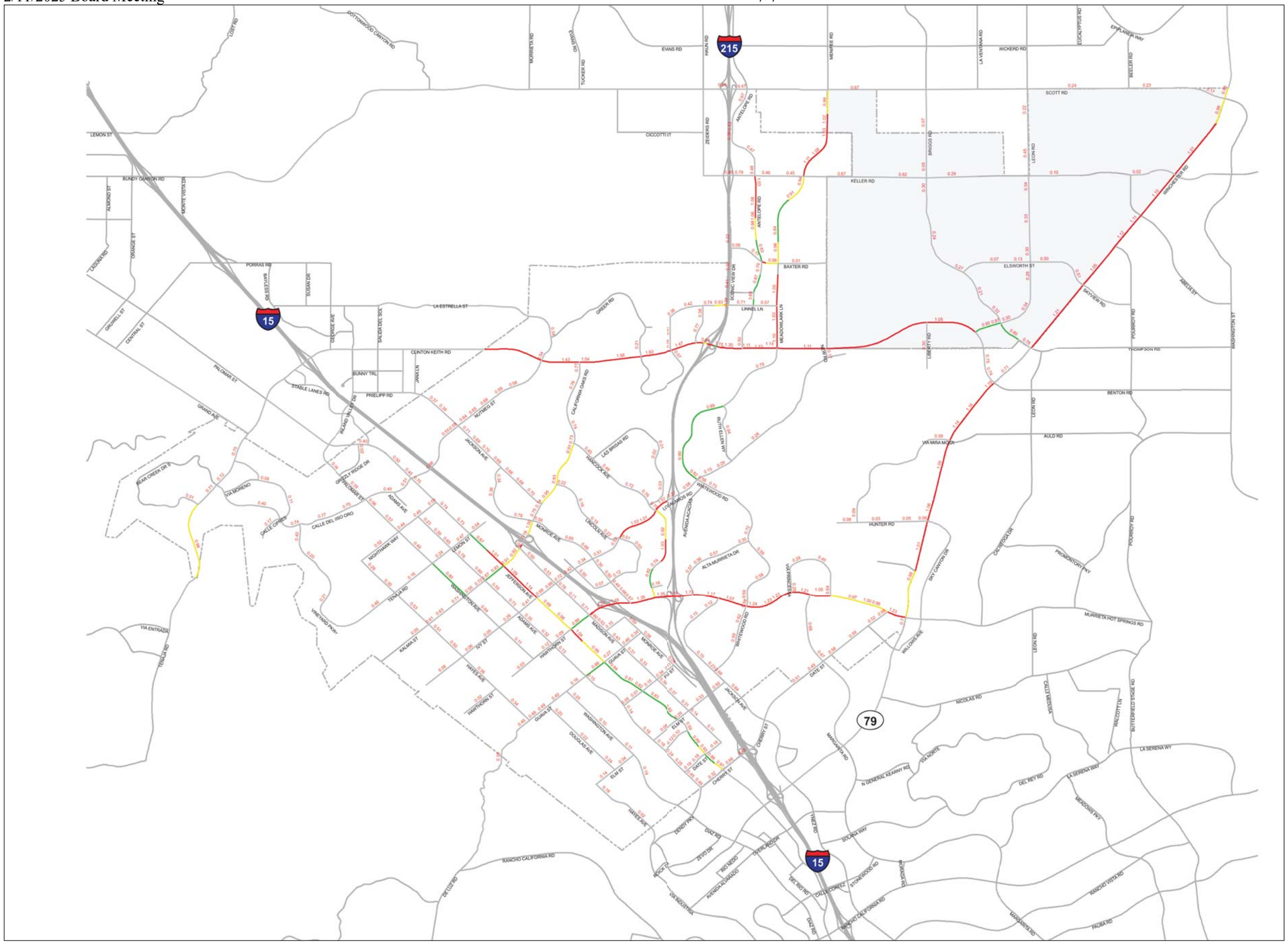
Back of 11 x 17 exhibit.



Murrieta
The future of southern California
General Plan Update

LEGEND

0.87 Daily Volume/Capacity Ratio
LOS D
LOS E
LOS F
City of Murrieta Boundary
Sphere of Influence

0 0.5 1
Miles

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General Plan 2035 Daily Volume-to-Capacity Ratios

Exhibit 5.4-14

Back of 11 x 17 exhibit.

Recommended Improvements

Improvements are recommended for the 2035 buildout roadway network and for intersection capacity augmentation; so that the roadways and intersection meet City LOS standards. Adequate intersection performance during peak traffic hours can be ensured with enhanced intersection geometrics which satisfy turning movement and through traffic capacity demands. In many instances, this may require additional left turn lanes, and right turn deceleration lanes on intersection approaches of the major roadway.

ROADWAY IMPROVEMENTS

Roadway link improvements that were contained in the travel demand model include:

- Jefferson Avenue from Lemon Avenue to north of Nutmeg Street as an Arterial Street.
- Removal of the Linnel Lane extension between Greer Road and Mitchell Road.
- Inclusion of the Whitewood Road extension between Jackson Avenue and Murrieta Hot Springs Road.
- Adding the missing link of Keller Road between Menifee Road and Briggs Road.
- Upgrading of several roadway facilities to Collector and Secondary roads, in the area of Murrieta west of I-15, to better reflect how they operate.
- Changes to other roadway classifications (both upgrades and downgrades) within the City.

With implementation of these improvements, there are roadways segments throughout the City that are projected to not meet the City's performance standards under the proposed General Plan 2035 buildout conditions (LOS D, E, or F), and thus result in a significant unavoidable impact (refer to *Exhibit 5.4-14*).

INTERSECTION IMPROVEMENTS

Enhanced intersection geometrics and upgraded signal operations (such as protected phasing and overlap phasing) have been shown on *Exhibit 5.4-16a* and *Exhibit 5.4-16b*, *General Plan 2035 Enhanced Intersection Lane Configurations*. The projected level of service for the General Plan 2035 with enhanced geometrics is illustrated in *Table 5.4-12*, *General Plan 2035 Buildout Intersections with Enhanced Geometrics Level of Service*.

Table 5.4-12
General Plan 2035 Intersections with Enhanced Geometrics Level of Service

Int. No.	Intersection	Recommended Scenario				Recommended Scenario with Enhanced Geometrics				Project Impact (Exceeds LOS Standards)	Residual Impact (Exceeds LOS Standards After Enhancements)
		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour			
		LOS	Ave Del/ Veh	LOS	Ave Del/ Veh	LOS	Ave Del/ Veh	LOS	Ave Del/ Veh		
1	**Menifee Rd / Scott Rd**	**E**	**68.3**	**F**	**86.3**	**E**	**64.5**	**E**	**76.4**	**Yes**	**Yes**
2	Leon Rd / Scott Rd	C	27.9	D	46.7	C	26.6	C	32.5		
3	**Winchester Rd – SR-79 / Scott Rd**	**F**	**177.4**	**F**	**284.5**	**F**	**132.7**	**F**	**187.8**	**Yes**	**Yes**
4	**Antelope Rd / Keller Rd**	**F**	**158.6**	**D**	**49.9**					**Yes**	**Yes**
5	**Menifee-Meadowlark Rd/ Keller Rd**	**E**	**68.8**	**D**	**47.6**					**Yes**	**Yes**
6	Briggs Rd / Keller Rd	B	18.5	B	19.0	B	18.5	B	19.1		
7	Leon Rd / Keller Rd	B	12.3	C	26.2						
8	Winchester Rd – SR-79 / Keller Rd	A	1.6	A	1.6						
9	**Antelope Rd / Golden City Drive – Baxter Rd**	**C**	**25.2**	**F**	**89.2**	**C**	**20.3**	**E**	**55.2**	**Yes**	**Yes**
10	**Whitewood-Meadowlark/ Golden City Dr – Baxter Rd**	**F**	**107.7**	**F**	**113.6**	**E**	**75.8**	**F**	**108.0**	**Yes**	**Yes**
11	Briggs Rd / Baxter Rd – Jean Nicholas	A	8.8	A	8.3						
12	Leon Rd / Jean Nicholas	C	22.1	C	26.4						
13	Winchester Rd – SR-79 / Nicholas – Skyview	B	19.7	C	28.5						
14	Antelope Rd / Linnel Lane Extension	C	22.1	C	28.5	C	21.4	C	23.4		
15	Whitewood-Meadowlark/ Linnel Lane Extension	C	26.0	D	43.7	C	24.6	D	38.7		
16	Leon Rd / Max Gillis Rd	D	51.9	D	40.3						
17	Winchester Rd – SR-79 / Max Gillis – Thompson	C	27.1	D	37.8						
18	**California Oaks Rd / Clinton Keith Rd**	**E**	**60.7**	**C**	**20.7**					**Yes**	**Yes**
19	I-215 SB Off-Ramp / Clinton Keith Rd	A	7.9	B	11.5						
20	**I-215 NB Off-Ramp / Clinton Keith Rd**	**F**	**124.7**	**B**	**17.1**					**Yes**	**Yes**
21	Antelope Rd / Clinton Keith Rd	A	5.1	A	4.5						
22	**Meadowlark – Whitewood Rd / Clinton Keith Rd**	**F**	**145.9**	**F**	**121.7**					**Yes**	**Yes**
23	Liberty Rd / Clinton Keith Rd	A	7.4	B	10.0						
24	Leon Rd / Clinton Keith Rd	C	26.0	C	28.6						
25	Winchester Rd – SR-79 / Clinton Keith Rd – Benton Rd	D	38.8	D	53.7						
26	Winchester Rd – SR-79 / Via Mira Mosa – Auld Rd	C	24.1	C	25.1						
27	Monroe Ave / Los Alamos	C	24.5	C	27.5						
28	**Jefferson Ave / Murrieta Hot Springs Rd**	**F**	**133.3**	**F**	**206.4**	**E**	**56.1**	**F**	**115.8**	**Yes**	**Yes**
29	Madison Ave / Murrieta Hot Springs Rd	C	26.6	F	129.6	C	23.5	D	51.1	Yes	
30	I-15 SB Off-Ramp / Murrieta Hot Springs Rd	B	16.1	B	14.3						
31	I-15 NB Off-Ramp / Murrieta Hot Springs Rd	A	5.7	A	7.9						
32	I-215 SB Off-Ramp / Murrieta Hot Springs Rd	B	12.5	B	10.8						
33	I-215 NB Off-Ramp / Murrieta Hot Springs Rd	A	5.6	A	9.4						
34	Jackson Ave / Murrieta Hot Springs Rd	A	5.1	A	8.5						
35	Margarita Rd/ Murrieta Hot Springs Rd	C	24.6	D	49.2						

Table 5.4-12 [continued]
General Plan 2035 Intersections with Enhanced Geometrics Level of Service

Int. No.	Intersection	Recommended Scenario				Recommended Scenario with Enhanced Geometrics				Project Impact (Exceeds LOS Standards)	Residual Impact (Exceeds LOS Standards After Enhancements)
		AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour			
		LOS	Ave Del/ Veh	LOS	Ave Del/ Veh	LOS	Ave Del/ Veh	LOS	Ave Del/ Veh		
36	French Valley – Date St / Murrieta Hot Springs Rd	B	12.9	B	18.4						
37	Jefferson Ave / Guava St	A	9.4	A	7.9						
38	Jefferson Ave / Cherry St	C	21.8	D	37.8						
39	Washington Ave / Calle del Oso Oro – Nutmeg St	C	27.6	C	27.5						
40	Clinton Keith Rd / Calle de Oso Oro – Bear Creek Dr	C	23.7	B	16.5						
41	Jefferson Ave / Nutmeg St	D	51.1	D	36.0						
42	Jefferson Ave / Magnolia	B	10.7	A	9.4						
43	Jefferson Ave / Lemon St	C	28.2	B	18.3						
44	**Jefferson Ave / Kalmia St**	**E**	**59.3**	**F**	**159.9**	**E**	**60.3**	**F**	**158.5**	**Yes**	**Yes**
45	Jefferson Ave / Juniper St	C	23.4	C	22.3						
46	Jefferson Ave / Ivy St – Los Alamos Rd	C	26.8	D	35.8	C	26.8	D	36.5		
47	Madison Ave / Kalmia St	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
48	I-15 SB Ramps / Kalmia St	C	29.4	C	30.9						
49	Monroe Ave / Murrieta Hot Springs Rd	A	8.0	B	16.2						
50	Hancock Ave / Murrieta Hot Springs Rd	B	17.6	B	17.6						
51	Alta Murrieta Dr / Murrieta Hot Springs Rd	C	23.8	D	51.9						
52	**Winchester Rd (SR-79) / Murrieta Hot Springs Rd**	**F**	**107.8**	**F**	**104.8**					**Yes**	**Yes**
53	**Hancock Ave / Los Alamos Rd**	**F**	**84.6**	**F**	**223.1**					**Yes**	**Yes**
54	**I-215 SB Ramps / Los Alamos Rd**	**E**	**77.2**	**F**	**157.8**					**Yes**	**Yes**
55	I-215 NB Ramps / Los Alamos Rd	C	25.5	C	24.4						
56	Whitewood Rd / Los Alamos Rd	D	44.4	D	44.6						
57	**Whitewood Rd / Murrieta Hot Springs Rd**	**C**	**28.3**	**F**	**88.7**	**C**	**28.4**	**F**	**90.3**	**Yes**	**Yes**
58	Adams Ave / Guava St	B	12.2	B	14.3						
59	**Nutmeg St / Clinton Keith Rd**	**F**	**96.5**	**E**	**78.4**					**Yes**	**Yes**
60	Mitchell Rd / Clinton Keith Rd	C	20.4	F	120.7	B	18.7	C	29.6	Yes	
61	I-215 SB Ramps / Scott Rd	A	8.5	A	8.1						
62	I-215 NB Ramps / Scott Rd	B	15.9	B	16.2						
	Notes: Bold = Significant Unavoidable Impact (LOS D, E, or F)										

With implementation of the enhanced geometrics, the following 16 intersections are projected to operate at levels of service that do not meet the City's standards, and thus result in a significant unavoidable significant impact (refer to *Table 5.4-12*):

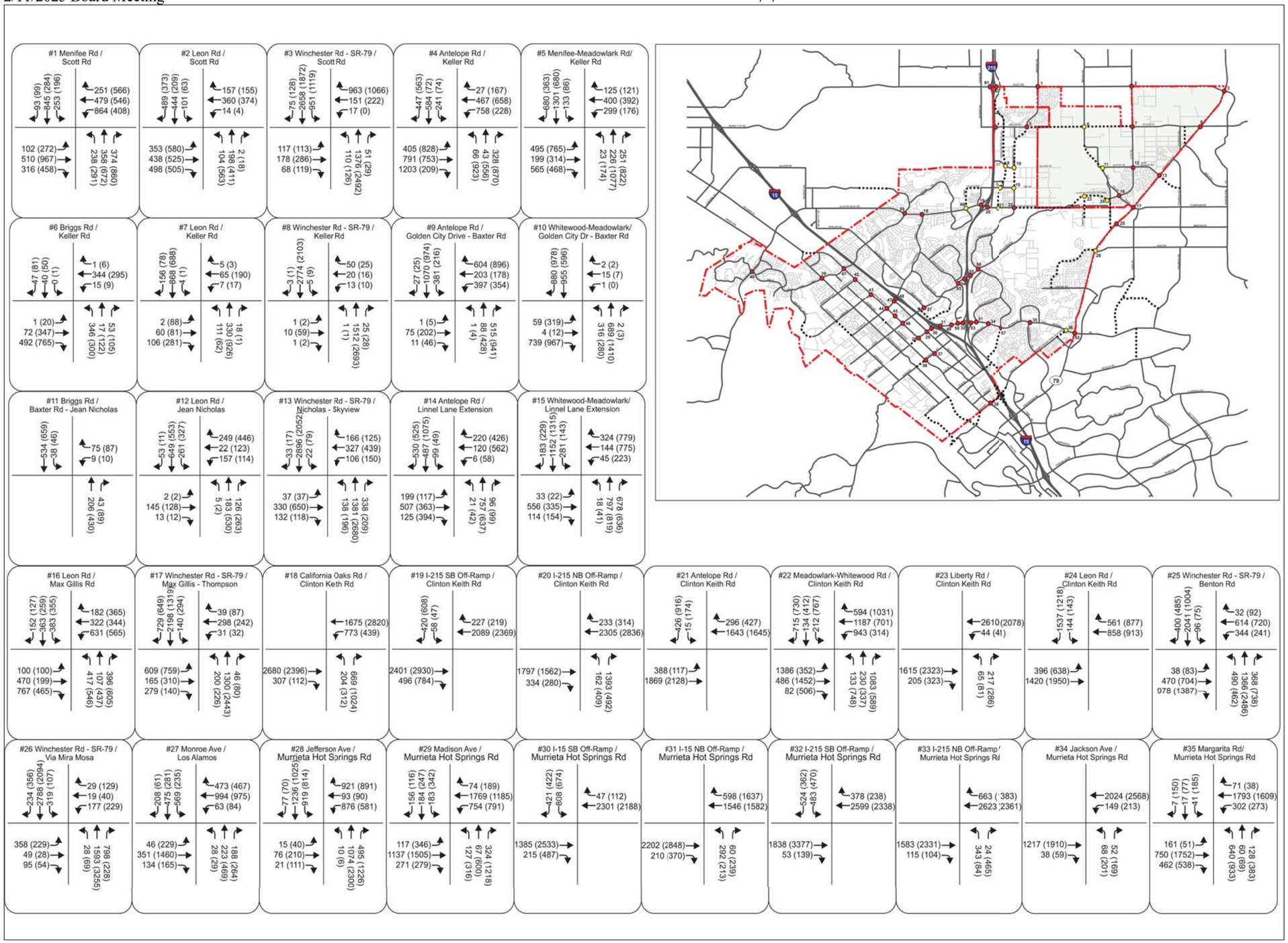
- Intersection 1: Menifee Rd / Scott Rd
- Intersection 3: Winchester Road – SR-79 / Scott Road
- Intersection 4: Antelope Road / Keller Road
- Intersection 9: Antelope Road / Golden City Drive – Baxter Road
- Intersection 10: Whitewood – Meadowlark / Golden City Dr – Baxter Road
- Intersection 18: California Oaks Road / Clinton Keith Road
- Intersection 20: I-215 NB Off-Ramp / Clinton Keith Road
- Intersection 22: Meadowlark – Whitewood Road / Clinton Keith Road
- Intersection 25: Winchester Road – SR-79 / Clinton Keith Road – Benton Road
- Intersection 28: Jefferson Avenue / Murrieta Hot Springs Road
- Intersection 44: Jefferson Avenue / Kalmia St
- Intersection 52: Winchester Road (SR-79) / Murrieta Hot Springs Road
- Intersection 53: Hancock Avenue / Los Alamos Road
- Intersection 54: I-215 SB Ramps / Los Alamos Road
- Intersection 57: Whitewood Road / Murrieta Hot Springs Road
- Intersection 59: Nutmeg St / Clinton Keith Road

GENERAL PLAN 2035 CIRCULATION MAP

As noted above, a number of roadway and intersection geometric enhancements and improvements would be needed to accommodate the traffic levels for the proposed General Plan 2035. In most cases, the improvements needed to achieve acceptable LOS would consist of additional turn lanes at critical intersections. In some cases however, additional through lanes at key intersections would be needed, indicating the potential need for an upgraded roadway classifications for the roadway segment approaches to those intersections. The roadway network for the proposed General Plan 2035 is shown on *Exhibit 5.4-17*, *General Plan 2035 Circulation Map*.

Impact Conclusions

Roadway Segments: Even with installation of the recommended improvements, implementation of the proposed General Plan 2035 would result in unacceptable levels of service on the roadway segments shown as LOS D in green, LOS E in yellow, and LOS F in red on *Exhibit 5.4-14*. Thus, impacts are concluded to be significant unavoidable impacts for the roadway segments shown as LOS D, LOS E, and LOS F on *Exhibit 5.4-14*. All other roadway segments would operate at acceptable levels of service.



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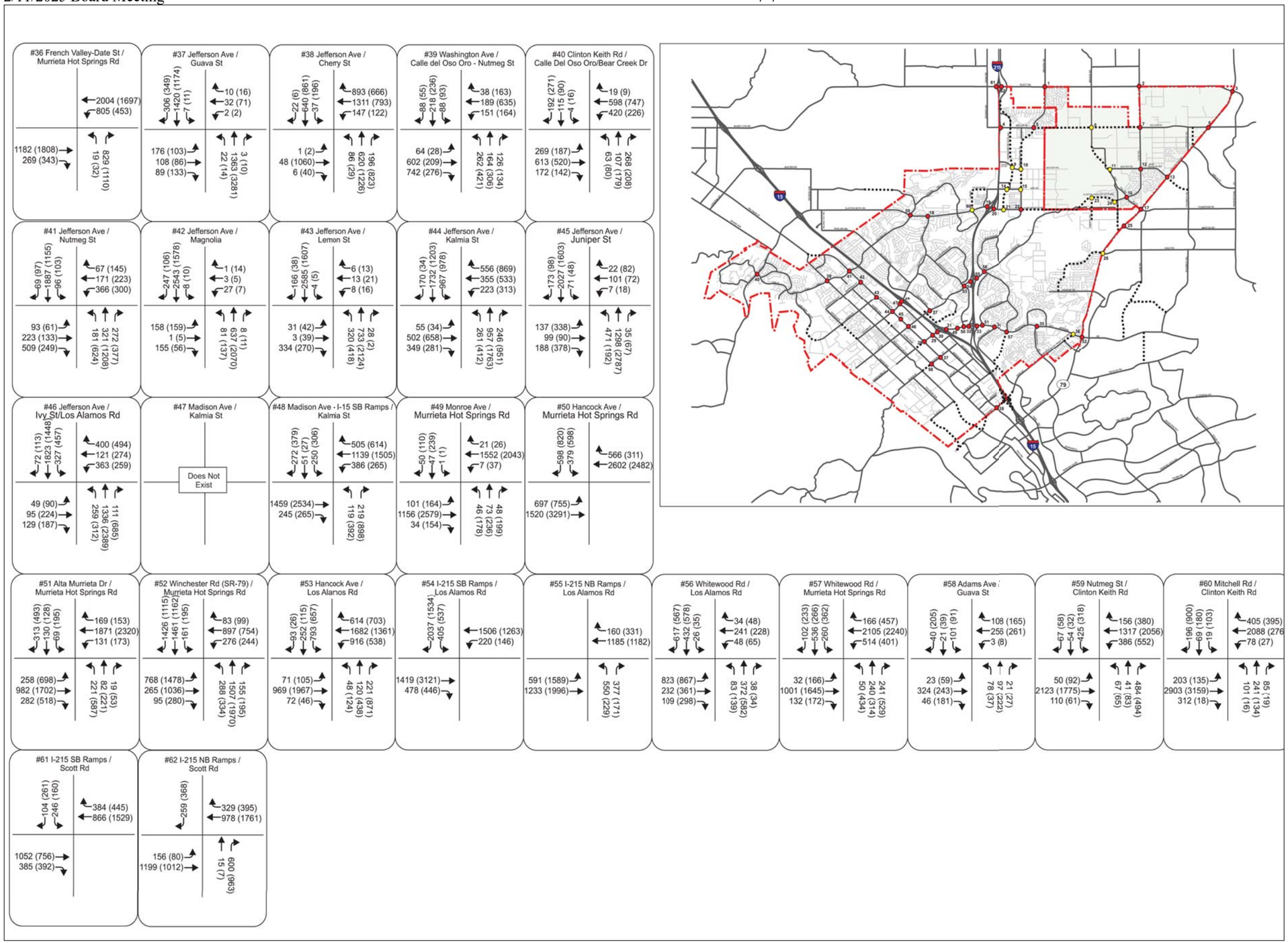
General Plan 2035 Peak Hour Turning Movement Volumes

Exhibit 5.4-15a

Back of 11 x 17 exhibit.



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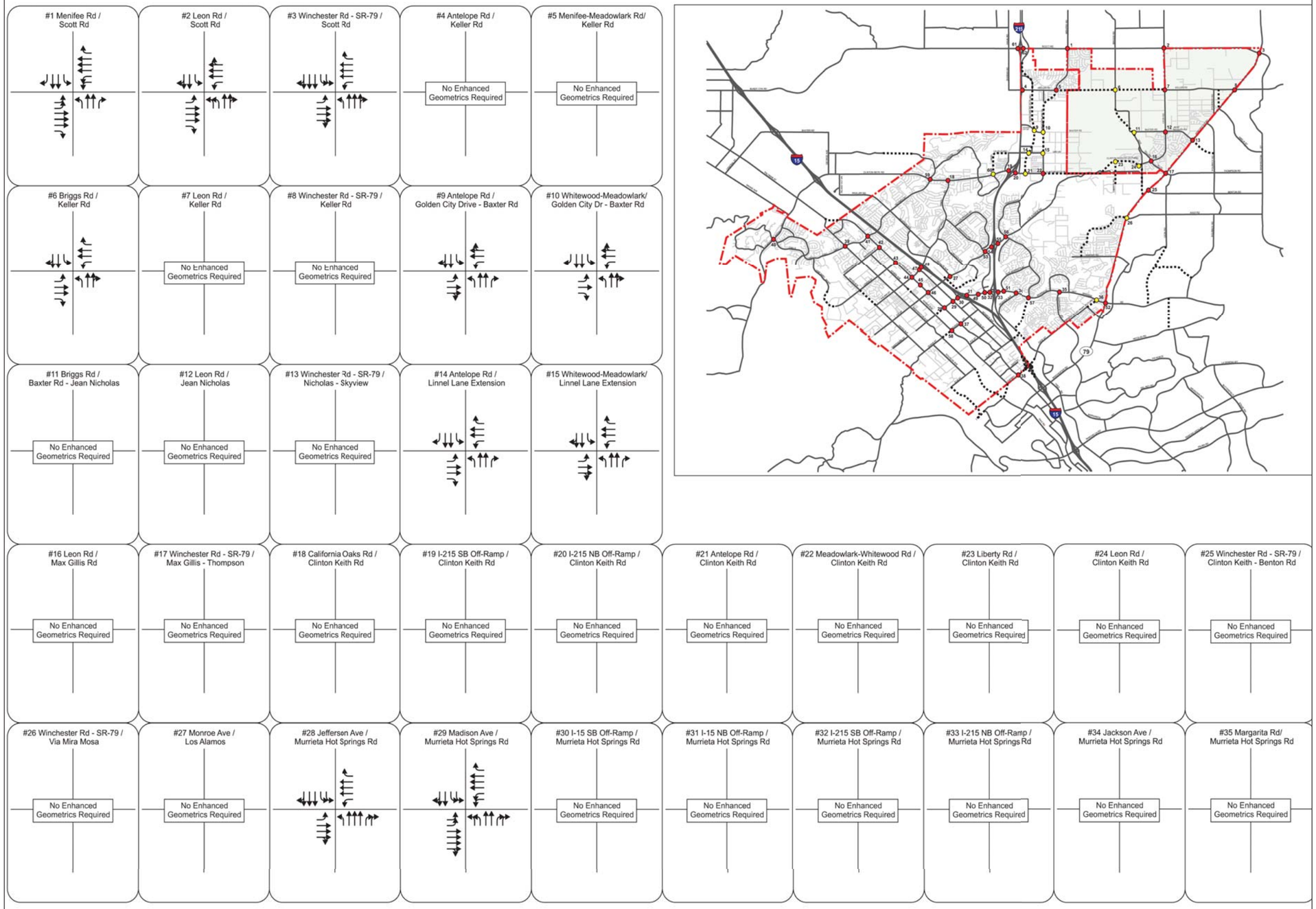
General Plan 2035 Peak Hour Turning Movement Volumes

Exhibit 5.4-15b

Back of 11 x 17 exhibit.



Murrieta General Plan Update

LEGEND

- Through Lane
- Turn Lane
- Shared Lane
- * Assumed Lane Configuration

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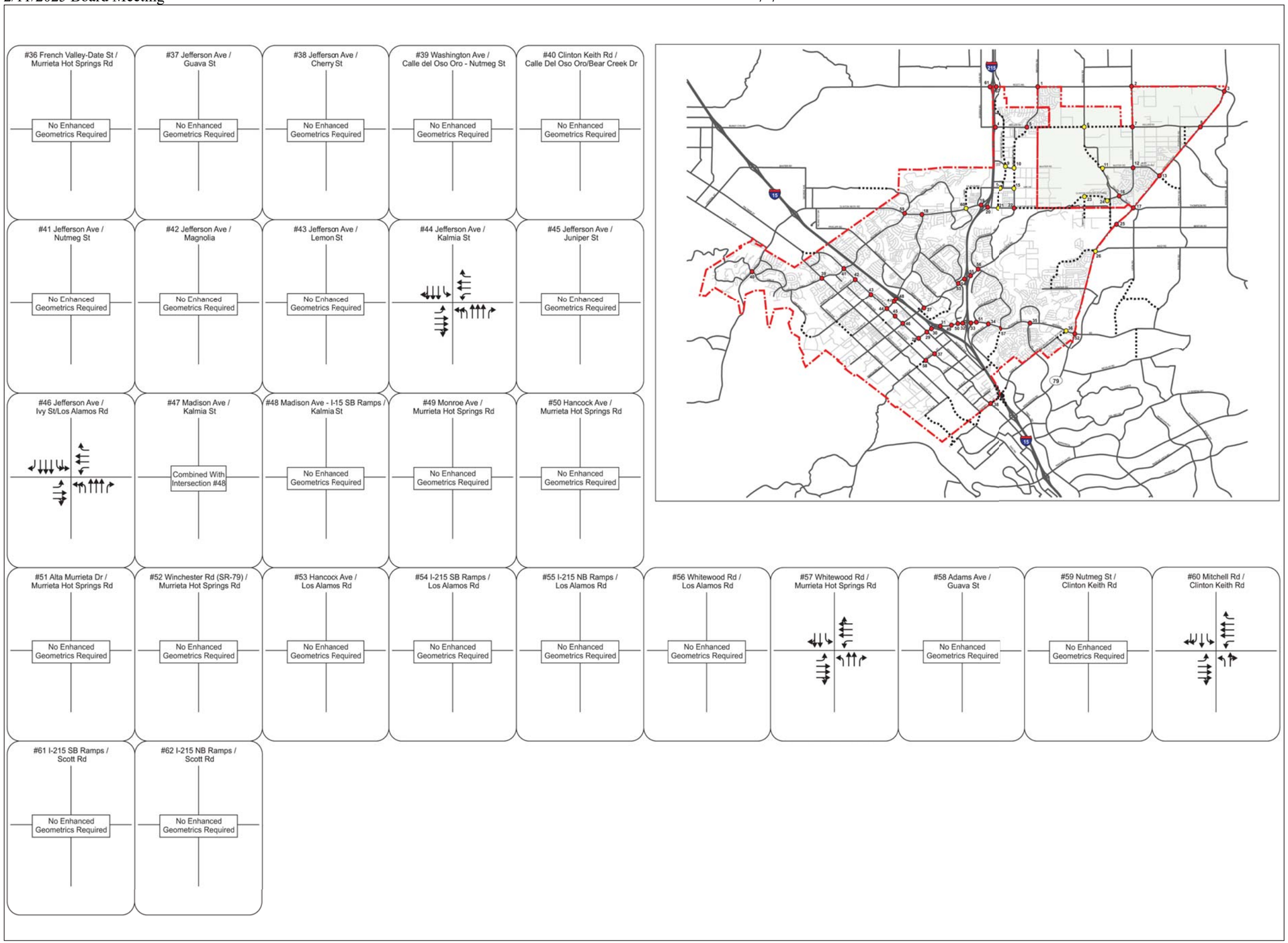
General Plan 2035 Enhanced Intersection Lane Configurations

Exhibit 5.4-16a

Back of 11 x 17 exhibit.



Murrieta General Plan Update

LEGEND

- Through Lane
- Turn Lane
- Shared Lane
- * Assumed Lane Configuration

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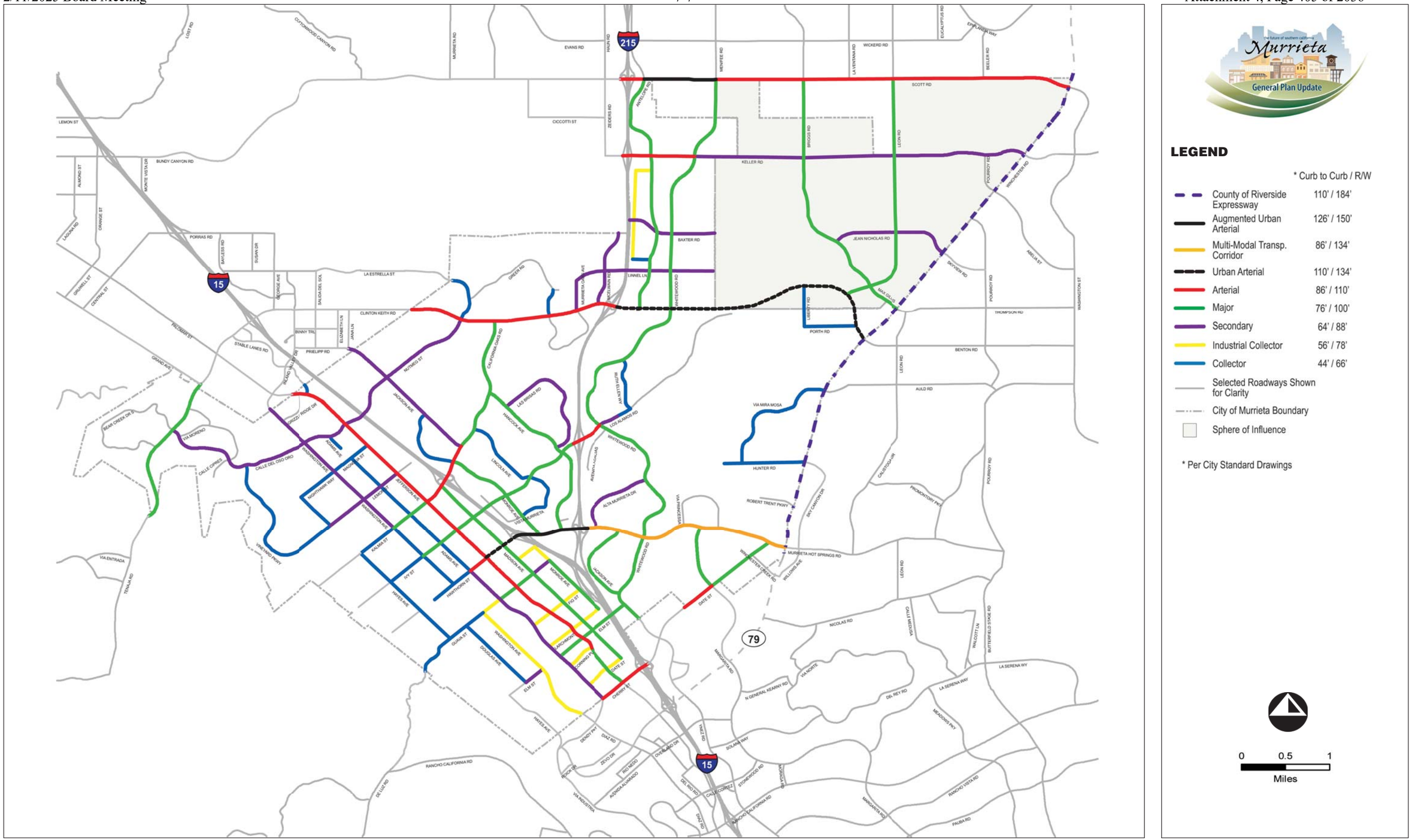
General Plan 2035 Enhanced Intersection Lane Configurations

Exhibit 5.4-16b

Back of 11 x 17 exhibit.



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General Plan 2035 Circulation Map

Exhibit 5.4-17

Back of 11 x 17 exhibit.

Intersections: Even with implementation of the enhanced geometrics, 16 intersections (Intersection 1, 3, 4, 9, 10, 18, 20, 22, 25, 28, 44, 52, 53, 54, 57, 59) are projected to operate at levels of service that do not meet the City's standards, and thus result in a significant unavoidable significant impact (refer to *Table 5.4-12*). All other studied intersections would operate at acceptable levels of service.

Goals and Policies in the Proposed General Plan 2035:

CIRCULATION ELEMENT

Goal CIR-1 A circulation system that serves the internal circulation needs of the City, while also addressing the inter-community or through travel needs.

Policies

CIR-1.1 Ensure the transportation system can adequately serve the concentrations of population and employment activities identified by the Land Use Element.

CIR-1.2 Maintain a Level of Service "D" or better at all intersections during peak hours. Maintain a Level of Service "E" or better at freeway interchanges during peak hours.

CIR-1.3 Maintain an average daily traffic (ADT) Level of Service "C" or better for all roadway segments. As an exception, LOS "D" may be allowed in the North Murrieta Business Corridor, Clinton Keith/Mitchell, Golden Triangle North (Central Murrieta), South Murrieta Business Corridor, or the Multiple Use 3 Focus Areas, or other employment centers. LOS "D" may be allowed only at intersections of any combination of Secondary roadways, Major roadways, Urban Arterial roadways, Expressways, conventional state highways, or freeway ramps.

CIR-1.4 Continue to improve signal coordination and advanced traffic management systems at major intersections and along roadway corridors in order to optimize traffic flow through the City and reduce traffic queuing.

CIR-1.5 Maintain a set of street standards and require that all new road facilities be constructed or upgraded, where feasible, to meet City standards.

CIR-1.6 Coordinate with Caltrans to implement necessary improvements at intersections where the agencies have joint jurisdiction.

CIR-1.7 Evaluate the Circulation Element roadway plan on a regular basis using the City of Murrieta Traffic Model.

CIR-1.8 Identify and evaluate the major intersections requiring special design treatment to increase their vehicular capacity.

CIR-1.9 Provide a coordinated traffic control system that moves traffic within and through the City in an efficient and orderly manner. Upgrade systems as technology evolves.

CIR-1.10 Limit driveway and access on major arterial streets, where feasible, to maintain a desired quality of traffic flow.

CIR-1.11 Support the implementation of complete streets through a multi-modal transportation network that balances the needs of pedestrians, bicyclists, transit riders, mobility-challenged persons, older people, children, and vehicles while providing sufficient mobility and abundant access options for existing and future users of the street system.

CIR-1.12 Maintain an effective City truck route system to ensure that movement of truck traffic is accommodated by and confined to designated streets.

CIR-1.13 Work with adjacent communities and regional agencies to identify appropriate systems for goods movement.

CIR-1.14 Review current goods movement patterns and determine if possible restrictions on hours of truck traffic may reduce impacts to area streets.

Goal CIR-2 A comprehensive circulation system that promotes safety.

Policies

CIR-2.1 Establish speed limits throughout the City that relate to the design and operating characteristics of roadways.

CIR-2.2 Maintain an ongoing maintenance program to ensure the safety of the City's roadway system.

CIR-2.3 Provide a circulation network that accommodates the safe and efficient movement of all forms of non-motorized travel.

CIR-2.4 Ensure roadway signage of adequate size to clearly convey street names or traffic control measures is installed and maintained.

CIR-2.5 Include paved shoulders on all roads in non-urban areas that can be used by cyclists and pedestrians.

CIR-2.6 Explore the use of traffic calming measures on streets with high incidences of speeding and/or history of collisions.

CIR-2.7 Publish and promote safe pedestrian and bike routes through creating an accurate citywide map and posting pedestrian/cyclist-scale wayfinding signage.

CIR-2.8 Encourage driveway consolidation and the use of shared driveways in commercial areas.

CIR-2.9 Ensure new roadways and intersections provide adequate sight distances for safe vehicular movement.

CIR-2.10 Review and comment on school district Environmental Impact Reports (EIRs) to ensure proposed school circulation systems address traffic and pedestrian safety within and adjacent to the site.

CIR-2.11 Work with the school districts to incorporate a Safe Routes to Schools program and establish a task force for school siting (including school closures) and safe routes decisions such as public works, city, county, Caltrans, law enforcement, school staff, public health, community groups and others.

CIR-2.12 Consider the development and implementation of Pedestrian Safety Guidelines that also include streetscape standards that emphasize pedestrian and cyclist safety (lighting, trees, greenery, traffic calming measures, etc.).

CIR-2.13 Work with the Murrieta Valley Unified School District and other local school districts, neighborhood associations, HOAs, and Parent Teacher Associations (PTAs) to facilitate the creation of "walking school buses," "bike trains", carpools and crossing guards for Murrieta schools.

CIR-2.14 Ensure that efficient and safe access for emergency vehicles is provided to all development

Goal CIR-3 Circulation systems that preserve the quality of residential neighborhoods.

Policies

CIR-3.1 Enforce speed limits and other regulatory signs in those areas defined by the California Vehicle Code as residential neighborhoods.

CIR-3.2 Review the design of all proposed new residential neighborhoods to ensure that "cut through" routes are minimized and pedestrian connections are maximized.

CIR-3.3 Discourage the flow of truck traffic and through traffic in residential neighborhoods.

CIR-3.4 Consider the development and implementation of Traffic Calming Guidelines to address safety within residential neighborhoods.

CIR-3.5 Continue to utilize the Neighborhood Traffic Management Program to provide all residential, commercial, and industrial properties sufficient and safe access for every vehicle.

Goal CIR-4 Financing programs provide adequate funding for the City's roadway system.

Policies

CIR-4.1 Identify and evaluate potential local revenue sources for financing roadway system development and improvement projects.

CIR-4.2 Pursue viable revenue sources to meet the roadway system funding needs from state, regional, and federal sources.

CIR-4.3 Pursue coordination of joint funding and development programs with adjacent cities and the County of Riverside for transportation related improvements in the Plan Area.

Goal CIR-5 A supported regional transportation system that serves existing and future travel between Murrieta and other population and employment centers within southwest Riverside County and the larger region, and that accommodates the regional travel needs of developing areas outside the City.

Policies

CIR-5.1 Coordinate with appropriate jurisdictions and agencies to encourage the timely improvement of roadway and transit facilities that address area-wide and regional travel needs, including the State Transportation Improvement Program (STIP), the Riverside County Integrated Project (RCIP), and the Community and Environmental Transportation Acceptability Process (CETAP).

CIR-5.2 Coordinate with adjacent jurisdictions on regional transportation planning efforts.

CIR-5.3 Coordinate with the Cities of Temecula, Wildomar, and Lake Elsinore to pursue funding for and preparation of a transportation plan for the Jefferson Avenue Corridor.

CIR-5.4 Actively pursue the construction of the French Valley Parkway connector system, south of the I-15/1-215 confluence in cooperation with Caltrans, the City of Temecula, Riverside County, and local developers.

CIR-5.5 Actively pursue the construction of a new east-west corridor and interchange at Keller Road in cooperation with Caltrans, Riverside County, and local developers.

CIR-5.6 Actively pursue the improvements to existing interchanges within the City and construction of new over-crossings, as identified in the Capital Improvements Program215, to achieve the adopted service level standards.

CIR-5.7 Support the addition of capacity improvements, such as high occupancy vehicle lanes, general purpose lanes, or auxiliary lanes on I-15 and 1-215.

CIR-5.8 Participate in programs to mitigate regional traffic congestion.

CIR-5.9 Coordinate with Western Riverside Council of Governments, Riverside County, and Riverside County Transportation Commission to identify, protect, and pursue opportunities for public transit along major transportation corridors, and future high speed rail service, which connect Murrieta to other population centers.

CIR-5.10 Support the siting and development of a Metrolink Station(s) within Murrieta along the I-15 and/or I-215 corridors.

CIR-5.11 Coordinate with California High Speed Rail Authority, Riverside Transit Authority, and City of Temecula on the siting and development of a California High Speed Rail Intermodal Transit Center.

CIR-5.12 Continue to work with public transportation agencies to provide adequate levels of service to Murrieta citizens.

CIR-5.13 Coordinate with adjacent jurisdictions regarding the planning and coordination of circulation improvements in the Sphere of Influence area.

CIR-5.14 Encourage new large residential, commercial, or employment developments to locate on existing and planned transit routes.

Goal CIR-6 Alternative travel modes and facilities are available to serve residents and employers/employees and reduce vehicle miles traveled.

Policies

CIR-6.1 Encourage alternatives to single-occupancy vehicle transportation such as rail, public transit, paratransit, walking, cycling, and ridesharing.

CIR-6.2 Support a variety of transit vehicle types and technologies to serve different transportation needs.

CIR-6.3 Work with the Riverside Transit Agency, Murrieta Chamber of Commerce, and/or the City's Economic Development Department to conduct a travel/commute survey with the intent of creating vanpools, carpools, and employment center shuttles to reduce single occupant vehicles.

CIR-6.4 Seek opportunities for funding that goes to support alternative forms of transportation.

CIR-6.5 Support the dedication and/or construction of appropriate facilities in support of a public transportation system.

CIR-6.6 Identify opportunities to implement the Western Riverside County Non-Motorized Transportation Plan within key activity centers of the City through the development of non-motorized transportation corridors and facilities (i.e., neighborhood electric vehicle routes, bikeways, pedestrian paths, sidewalks/paths).

CIR-6.7 Coordinate with the Riverside Transit Agency to provide fixed route transit service along transportation corridors connecting to employment and commercial areas, schools, health care facilities, and major recreation areas.

CIR-6.8 Support the construction of bus turnouts with shelters adjacent to new developments where transit demand levels may be sufficient in the future to warrant such accommodations to maintain traffic flow and provide safe loading/unloading for bus passengers.

CIR-6.9 Work with the Riverside Transit Agency to evaluate bus stops locations and amenities. Encourage the incorporation of transit amenities such as bus shelters and benches into existing and new bus stop locations.

CIR-6.10 Provide for express transit service through implementation of park-and-ride facilities along regional transportation corridors.

CIR-6.11 Encourage employer-based incentive programs for use of public transit and improve awareness of such programs.

CIR-6.12 Increase public education about public transit options.

CIR-6.13 Continue to require new development to submit a Trip Reduction Plan, if applicable, in compliance with the Transportation Demand Management Ordinance.

CIR-6.14 Encourage employers to provide employee incentives for utilizing alternatives to the automobile (i.e., carpools, vanpools, buses, flex time, telecommuting, bicycling, and walking, etc.).

Goal CIR-7 Residential areas and activity centers are accessible to all pedestrians, including persons with disabilities or having special accessibility needs.

Policies

CIR-7.1 Encourage future developments to provide an internal system of sidewalks/pathways linking schools, shopping centers, and other public facilities with residences.

CIR-7.2 Require pedestrian access from the interior of new residential areas to public transit stops.

CIR-7.3 Encourage safe pedestrian walkways and ensure compliance with the Americans with Disabilities Act (ADA) requirements within all developments.

CIR-7.4 Consider the development and implementation of Pedestrian Friendly Street Standards.

CIR-7.5 Provide pedestrian amenities such as benches, trees, landscaping, and shade trees to encourage people to walk to destinations.

CIR-7.6 Promote improved demand responsive transit services for elderly and disabled persons.

CIR-7.7 Ensure visibility and access for pedestrians and encourage the removal of barriers (walls, fences) to allow for safe and convenient movement.

CIR-7.8 Work with Riverside County Transportation Commission, local retirement homes, the Senior Center, and other community groups to expand affordable and reliable transportation options for older adults and disabled persons.

Goal CIR-8 Development, expansion, and maintenance of a network of bicycle, pedestrian, and multi-use trails that allows residents to travel between parks, schools, neighborhoods, and other major destinations without driving.

Policies

CIR-8.1 Create, update, and implement a master plan for non-motorized travel throughout the City, including multi-use trails, off-street paved bikeways, on-street bikeways, and related amenities.

CIR-8.2 Promote bicycle and pedestrian trails along major home to work and other travel routes.

CIR-8.3 Consider roadway design guidelines for new development and for capital improvement plans that enhance bicycle and pedestrian connectivity and safety.

CIR-8.4 Consider that 6- to 8-lane arterial roads provide a 5- to 6-foot-wide tree buffer (parkway) between pedestrians and through traffic.

CIR-8.5 Separate multi-use trails from roadways where feasible, or design multi-use trail crossing to occur at controlled intersections.

CIR-8.6 Establish guidelines for new development projects to include multi-use trails that connect to schools, parks, Historic Downtown, and other neighborhoods in the community.

CIR-8.7 Review and pursue opportunities to develop a trail head from the Murrieta Equestrian Park to the Santa Rosa Plateau and other adjacent areas.

CIR-8.8 When different uses are developed adjacent to each other – such as new commercial adjacent to new residential – require them to provide high-quality pedestrian amenities and connections between each other to the greatest degree possible.

CIR-8.9 Create cyclist and pedestrian connections through cul-de-sacs and across other barriers, connecting neighborhoods with each other and the citywide trail system. When feasible, consider purchasing easements across private land for priority pedestrian connections.

CIR-8.10 Work with adjacent property owners to create an interconnected trail that extends along the public right-of-way, which will benefit business by increasing exposure and access, and benefit the community through encouraging fitness, improved access, and a connected community.

CIR-8.11 Coordinate the location of multi-use trails to connect with regional trail systems, where feasible.

CIR-8.12 Pursue funding or grant opportunities to plan, construct, and maintain pedestrian, bicycle, and multi-use trails.

CIR-8.13 Maintain a map or maps of current bikeways and multi-use trails, and make the map(s) available to the public.

CIR-8.14 Partner with schools, employers, and community groups to teach bicycle and pedestrian safety in schools and workplaces and to educate residents about the benefits of walking and bicycling.

CIR-8.15 Consider changing the name of the "Traffic Commission" to the "Transportation Commission," and revise its scope to explicitly address all forms of transportation including automobile, bicycle, pedestrian, public transportation, and ADA enhancements.

LAND USE ELEMENT

Goal LU-3 Stable, well-maintained residential neighborhoods in Murrieta.

Policies

LU-3.2 Protect residential areas from the effects of potentially incompatible uses. Where new commercial or industrial development is allowed adjacent to residentially zoned districts, establish and/or maintain standards for circulation, noise, setbacks, buffer areas, landscaping and architecture, which ensure compatibility between the uses.

Goal LU-23 A circulation system that provides adequate access for all property owners in the Los Alamos Hills area.

Policies

LU-23.1 Support the development of a circulation plan and road standards for the existing and proposed road system within the Los Alamos Hills area that reflects the land uses and development intensity within a Specific Plan.

LU-23.2 Explore the use of traffic calming measures, as appropriate.

AIR QUALITY ELEMENT

Goal AQ-5 Air quality is improved through an efficient circulation system, reduced traffic congestion, and reduced vehicle miles traveled.

Policies

AQ-5.1 Encourage employers to implement transportation demand management (TDM) measures, such as the following programs to reduce trips and vehicle miles traveled:

- Transit subsidies
- Bicycle facilities
- Alternative work schedules
- Ridesharing
- Telecommuting and work-at-home programs
- Employee education
- Preferential parking for carpools/vanpools

AQ-5.2 Re-designate truck routes away from sensitive land uses including schools, hospitals, elder and childcare facilities, or residences, where feasible.

AQ-5.3 Promote use of fuel-efficient and low-emissions vehicles, including Neighborhood Electric Vehicles.

AQ-5.4 Encourage the use of lowest emission technology buses in public transit fleets.

AQ-5.5 Provide a preference to contractors using reduced emission equipment for City construction projects as well as for City contracts for services (e.g., garbage collection).

AQ-5.6 Manage the municipal vehicle fleet to achieve the highest possible number of fuel-efficient and low emissions vehicles commercially available.

AQ-5.7 Reduce industrial truck idling by enforcing California's five (5) minute maximum law, requiring warehouse and distribution facilities to provide adequate on site truck parking, and requiring refrigerated warehouses to provide generators for refrigerated trucks.

NOISE ELEMENT

Goal N-3 Noise from mobile noise sources is minimized.

Policies

N-3.4 Enforce the use of truck routes to limit unnecessary truck traffic in residential and commercial areas. Consider requiring traffic plans for construction projects and new commercial and industrial uses.

SAFETY ELEMENT

Goal SAF-11 Design of the physical environment promotes community safety and reduces opportunities for criminal activity.

Policies

SAF-11.1 Involve the Police Department in the development review process to address safety concerns, access issues, and potential traffic conflicts, and identify opportunities to apply CPTED principles.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are available.

Level of Significance After Mitigation:

Roadway Segments. Significant Unavoidable Impact for the roadway segments identified as LOS D, E, or F on *Exhibit 5.4-14*. Less Than Significant Impact for the roadway segments identified as LOS A, B, or C on *Exhibit 5.4-14*.

Intersections. Significant Unavoidable Impacts for Intersections 1, 3, 4, 9, 10, 18, 20, 22, 25, 28, 44, 52, 53, 54, 57, 59 (refer to *Table 5.4-12*). Less Than Significant Impact for all other studied intersections.

CONGESTION MANAGEMENT PROGRAM

■ IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN CONFLICTS WITH THE RIVERSIDE COUNTY CONGESTION MANAGEMENT PROGRAM.

Level of Significance Before Mitigation: No Impact.

Impact Analysis: The CMP is directly linked to transportation issues, with requirements that all new developments mitigate their traffic impacts on the surrounding street system. The CMP includes issues such as LOS standards, coordination with other jurisdictions, TDM ordinances and application, monitoring conditions, and mitigation of impacts.

CMP facilities within the City of Murrieta are I-15, I-215, and SR-79. A CMP analysis was not required for the proposed General Plan 2035 as the City requirements for a traffic study exceed the CMP requirements and the proposed project met the City requirements. Furthermore, the CMP for Riverside County does not address specific intersections. Therefore, no impacts would occur in this regard.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.4.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

DESIGN FEATURES OR INCOMPATIBLE USES

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INADEQUATE DESIGN FEATURES OR INCOMPATIBLE USES.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Implementation of the proposed General Plan 2035 would result in the development of new residential and non-residential land uses. However, it is not anticipated that development of new uses would result in inadequate design features or incompatible uses. Through the City's development review process, future developments would be evaluated to determine the appropriate land use permit for authorizing their use and the conditions for their establishment and operation. Additionally, future development projects would be evaluated on a case-by-case basis to ensure that adequate access and circulation to and within the development would be provided. Access to development sites would be required to comply with all City design standards and would be reviewed by the City and the Murrieta Fire Department to ensure that inadequate design features or incompatible uses do not occur. The City and the Murrieta Fire Department would review future development in order to ensure that they are designed to meet adopted standards and provide adequate emergency access. At a minimum, compliance with relevant Code standards would be required.

Therefore, implementation of the proposed General Plan 2035 would not substantially increase hazards due to design feature or incompatible uses. A less than significant impact would occur in this regard. The proposed General Plan 2035 includes goals and policies to ensure that new development, including infrastructure would not result in incompatible uses. Additionally, goals and policies would ensure that the street system is designed efficiently to reduce potential impacts to residential neighborhoods and that potential impacts associated with various transportation modes utilizing the same roadway system would be reduced to less than significant levels.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.4.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

EMERGENCY ACCESS

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INADEQUATE EMERGENCY ACCESS.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Future development projects would be required to comply with the City's development review process including review for compliance with the City's *Development Code*. New developments associated with implementation of the proposed General Plan 2035 would be required to comply with all applicable fire code and ordinance requirements for construction and access to the site. Individual projects would be reviewed by the Murrieta Fire Department to determine the specific fire requirements applicable to the specific development and to ensure compliance with these requirements. This would ensure that new developments would provide adequate emergency access to and from the site. Further, the City and the Murrieta Fire Department would review any modifications to existing roadways to ensure that adequate emergency access or emergency response would be maintained. Additionally, emergency response and evacuation procedures would be coordinated through the City in coordination with the police and fire departments, resulting in less than significant impacts.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.4.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

PEDESTRIAN AND TRANSIT FACILITIES

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD CONFLICT WITH THE PERFORMANCE OF EXISTING AND/OR PLANNED TRANSIT SYSTEMS SERVING THE AREA AND/OR CONFLICT WITH ADOPTED TRANSIT, BICYCLE, OR PEDESTRIAN POLICIES, PLANS, OR PROGRAMS.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Public transit in the City of Murrieta is currently provided by RTA. The RTA currently offers five fixed bus routes in the City of Murrieta with a variety of fare options for passengers including base fares, day passes, 7-day passes, and 30-day passes; refer to *Exhibit 5.4-10*. In addition to fixed and commuter bus services, the City of Murrieta also offers a Dial-A-Ride (DAR) service. The existing circulation system includes pedestrian facilities such as sidewalks near businesses, schools, parks, and major retail facilities. However, City streets are generally not equipped with designated bicycle facilities.

The proposed General Plan 2035 establishes a Land Use Policy Map as well as supportive goals and policies to encourage increased development within key Focus Areas (areas of land use and policy change). Development associated with Implementation of the proposed General Plan 2035 would increase the City's population, potentially increasing the demand for transit systems, as well as pedestrian facilities. The proposed General Plan 2035 encourages increased use of transit systems and increased pedestrian activity within the Focus Areas and establishes goals and policies to ensure that adequate facilities are provided to serve the needs of the community. A key focus of the proposed General Plan 2035 is to improve pedestrian amenities, walkability, and connectivity between uses, as well as to encourage alternative modes of transportation including a variety of transit options. The proposed General Plan 2035 would not conflict with the performance of transit systems within the area or with adopted plans or programs related to pedestrian and transit facilities. Impacts would be less than significant in this regard.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.4.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.4.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE TRAFFIC AND CIRCULATION IMPACTS.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Cumulative traffic impacts are analyzed in terms of impacts within the City of Murrieta and impacts to the traffic system in neighboring communities. The Circulation

Element of the proposed General Plan 2035 considers the impacts of traffic traveling through and within the City of Murrieta. As discussed, traffic volumes used were developed through the use of a travel demand model, which is specific to the City of Murrieta, and consistent with the RivTAM, and SCAG travel demand model. The development of the Murrieta Model is based on the Year 2008 RivTAM in TransCAD platform. The Murrieta Model covers all of the six counties in the SCAG region. New zone structure with 925 zones was designed to detail the Murrieta area and to aggregate a set of zones outside of the area. The model roadway network within the City and the Sphere of Influence was expanded to include roadways classified as Collector and above, as shown in the City of Murrieta General Plan Circulation Element.

The structure of the Murrieta Model is consistent with the RivTAM model to ensure the compatibility between the two models. Building on RivTAM also minimizes the time and effort needed to maintain and update the Murrieta Model as new elements of the RivTAM model are put into the model job stream. Specifically, the model consists of traditional four step modeling process including trip generation, trip distribution, mode split, and traffic assignment. Two model scenarios were included in the Murrieta Model, namely the base year 2009 and the forecast year 2035. Given the updated zone structure, corresponding modifications regarding the input data tables and matrices in the four steps were conducted for both of the model scenarios. The validation for base year 2009 was followed to ensure the results match with the both RivTAM model and traffic counts. The validated model was then used to forecast future volumes for the different scenarios. Peak hour turning model volumes were developed for study intersections using NCHRP methodology.

Development associated with buildout of the proposed General Plan 2035 would involve an increase in residential development and non-residential development. Increased development would result in study intersections operating at a deficient LOS based on the City's performance criteria. As indicated above in Table 5.4-13, 18 intersections are projected to operate at levels of service that do not meet the City's standards. After enhanced geometrics are applied to the intersections under the recommended scenario, 16 intersections are projected to still operate at levels of service that do not meet the City's standards, and thus have a significant impact. Further, roadway segments would also operate at a deficient LOS, since they do not meet the City of Murrieta Standards even with the implementation of the recommended intersection improvements previously described as Roadway Improvements in the first impact discussion under Proposed General Plan 2035 Traffic Operations section above. Therefore, buildout of the proposed General Plan 2035 would result in cumulatively considerable traffic and circulation impacts.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.4.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are available.

Level of Significance After Mitigation:

Roadway Segments. Significant Unavoidable Impact for the roadway segments identified as LOS D, E, or F on *Exhibit 5.4-14*. Less Than Significant Impact for the roadway segments identified as LOS A, B, or C on *Exhibit 5.4-14*.

Intersections. Significant Unavoidable Impacts for Intersections 1, 3, 4, 9, 10, 18, 20, 22, 25, 28, 44, 52, 53, 54, 57, 59 (refer to *Table 5.4-12*). Less Than Significant Impact for all other studied intersections.

5.4.6 SIGNIFICANT UNAVOIDABLE IMPACTS

The proposed General Plan 2035 would result in a significant unavoidable impact for the following areas for both project and cumulative impacts:

Roadway Segments. Even with installation of the recommended improvements, implementation of the proposed General Plan 2035 would result in unacceptable levels of service on the roadway segments shown as LOS D in green, LOS E in yellow, and LOS F in red on *Exhibit 5.4-14*. Thus, impacts are concluded to be significant unavoidable impacts for the roadway segments shown as LOS D, LOS E, and LOS F on *Exhibit 5.4-14*.

Intersections. Even with implementation of the enhanced geometrics, the following 16 intersections are projected to operate at levels of service that do not meet the City's standards, and thus result in a significant unavoidable significant impact.

- Intersection 1: Menifee Rd / Scott Rd
- Intersection 3: Winchester Road – SR-79 / Scott Road
- Intersection 4: Antelope Road / Keller Road
- Intersection 9: Antelope Road / Golden City Drive – Baxter Road
- Intersection 10: Whitewood – Meadowlark / Golden City Dr – Baxter Road
- Intersection 18: California Oaks Road / Clinton Keith Road
- Intersection 20: I-215 NB Off-Ramp / Clinton Keith Road
- Intersection 22: Meadowlark – Whitewood Road / Clinton Keith Road
- Intersection 25: Winchester Road – SR-79 / Clinton Keith Road – Benton Road
- Intersection 28: Jefferson Avenue / Murrieta Hot Springs Road
- Intersection 44: Jefferson Avenue / Kalmia St
- Intersection 52: Winchester Road (SR-79) / Murrieta Hot Springs Road
- Intersection 53: Hancock Avenue / Los Alamos Road
- Intersection 54: I-215 SB Ramps / Los Alamos Road
- Intersection 57: Whitewood Road / Murrieta Hot Springs Road
- Intersection 59: Nutmeg St / Clinton Keith Road

All other traffic and circulation impacts associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goals and policies in the proposed General Plan 2035.

If the City of Murrieta approves the proposed General Plan 2035, the City shall be required to cite their findings in accordance with *CEQA Guidelines* Section 15091 and prepare a Statement of Overriding Considerations in accordance with *CEQA Guidelines* Section 15093.

5.4.7 SOURCES CITED

City of Murrieta Final General Plan EIR, prepared by EIP Associates, June 1994.

City of Murrieta General Plan, prepared by EIP Associates, June 21, 1994.

City of Murrieta, *City of Murrieta Municipal Code*, adopted 1995.

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the future of southern california
Murrieta
General Plan Update

Section 5.5:
Air Quality

5.5 AIR QUALITY

Information in this section is based primarily on the *CEQA Air Quality Handbook*, April 1993 (as revised through November 1993), prepared by the South Coast Air Quality Management District (SCAQMD), the *Final 2007 Air Quality Management Plan for the South Coast Air Basin* (June 2007), prepared by the SCAQMD, and Air Quality Data (California Air Resources Board [CARB], 2007 through 2009).

5.5.1 REGULATORY FRAMEWORK

FEDERAL

The U.S. Environmental Protection Agency (U.S. EPA) is responsible for implementing the Federal Clean Air Act (FCAA), which was first enacted in 1955 and amended numerous times after. The FCAA established Federal air quality standards known as the National Ambient Air Quality Standards (NAAQS). These standards identify levels of air quality for "criteria" pollutants that are considered the maximum levels of ambient (background) air pollutants considered safe, with an adequate margin of safety, to protect the public health and welfare. The criteria pollutants addressed under the FCAA are ozone (O_3), carbon monoxide (CO), nitrogen dioxide (NO_2) (which is a form of nitrogen oxides [NO_X]), sulfur dioxide (SO_2) (which is a form of sulfur oxides [SO_x]), particulate matter less than 10 and 2.5 microns in diameter (PM_{10} and $PM_{2.5}$, respectively) and lead (Pb); refer to *Table 5.5-1*, *National and California Ambient Air Quality Standards*.

STATE

The California Air Resources Board (CARB) administers the air quality policy in California. The California Ambient Air Quality Standards (CAAQS) were established in 1969 pursuant to the Mulford-Carrell Act. These standards, included with the NAAQS in *Table 5.5-1*, are generally more stringent and apply to more pollutants than the NAAQS. In addition to the criteria pollutants, CAAQS have been established for visibility reducing particulates, hydrogen sulfide, and sulfates. The California Clean Air Act (CCAA), which was approved in 1988, requires that each local air district prepare and maintain an Air Quality Management Plan (AQMP) to achieve compliance with CAAQS.

Table 5.5-1
National and California Ambient Air Quality Standards

Pollutant	Averaging Time	California[1]		Federal[2]	
		Standard[3]	Attainment Status	Standards[4]	Attainment Status
Ozone (O_3)	1 Hour	0.09 ppm (180 μg/m³)	**Nonattainment**	NA[5]	NA[5]
	8 Hours	0.07 ppm (137 μg/m³)	Unclassified	0.075 ppm (147 μg/m³)	**Nonattainment**
Particulate Matter (PM_{10})	24 Hours	50 μg/m³	**Nonattainment**	150 μg/m³	**Nonattainment**
	Annual Arithmetic Mean	20 μg/m³	**Nonattainment**	NA[6]	**Nonattainment**
Fine Particulate Matter ($PM_{2.5}$)	24 Hours	No Separate State Standard		35 μg/m³	Unclassified
	Annual Arithmetic Mean	12 μg/m³	**Nonattainment**	15.0 μg/m³	**Nonattainment**
Carbon Monoxide (CO)	8 Hours	9.0 ppm (10 mg/m³)	Attainment	9 ppm (10 mg/m³)	Attainment
	1 Hour	20 ppm (23 mg/m³)	Attainment	35 ppm (40 mg/m³)	Attainment
Nitrogen Dioxide (NO_2)	Annual Arithmetic Mean	0.030 ppm (57 μg/m³)	NA	0.053 ppm (100 μg/m³)	Attainment
	1 Hour	0.18 ppm (339 μg/m³)	Attainment	0.100 ppm	NA
Lead (Pb)	30 days average	1.5 μg/m³	Attainment	N/A	NA
	Calendar Quarter	N/A	NA	1.5 μg/m³	Attainment
Sulfur Dioxide (SO_2)	Annual Arithmetic Mean	N/A	NA	0.03 ppm (80 μg/m³)	Attainment
	24 Hours	0.04 ppm (105 μg/m³)	Attainment	0.14 ppm (365 μg/m³)	Attainment
	3 Hours	N/A	NA	N/A	Attainment
	1 Hour	0.25 ppm (655 μg/m³)	Attainment	75 ppb	NA
Visibility-Reducing Particles	8 Hours (10 a.m. to 6 p.m., PST)	Extinction coefficient = 0.23 km@<70% RH	Unclassified	**No Federal Standards**	
Sulfates	24 Hour	25 μg/m³	Attainment		
Hydrogen Sulfide	1 Hour	0.03 ppm (42 μg/m³)	Unclassified		
Vinyl Chloride	24 Hour	0.01 ppm (26 μg/m³)	Unclassified		

μg/m³ = micrograms per cubic meter; ppm = parts per million; km = kilometer(s); RH = relative humidity; PST = Pacific Standard Time; N/A = Not Applicable.

Notes:

1 – California standards for ozone, carbon monoxide (except Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, suspended particulate matter-PM_{10} and visibility-reducing particles, are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations. In 1990, CARB identified vinyl chloride as a toxic air contaminant, but determined that there was not sufficient available scientific evidence to support the identification of a threshold exposure level. This action allows the implementation of health-protective control measures at levels below the 0.010 ppm ambient concentration specified in the 1978 standard.

2 – National standards (other than ozone, particulate matter and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once a year. EPA also may designate an area as *attainment/unclassifiable*, if: (1) it has monitored air quality data that show that the area has not violated the ozone standard over a three-year period; or (2) there is not enough information to determine the air quality in the area. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 μg/m³ is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard.

3 – Concentration is expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 mm of mercury. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 mm of mercury (1,013.2 millibar); ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

4 – National Primary Standards: The levels of air quality necessary, with an adequate margin of safety, to protect the public health.

5 – The Federal 1-hour ozone standard was revoked on June 15, 2005 in all areas except the 14 8-hour ozone nonattainment Early Action Compact (EAC) areas.

6 – The Environmental Protection Agency revoked the annual PM_{10} standard in 2006 (effective December 16, 2006).

Source: California Air Resources Board and United States Environmental Protection Agency, August 3, 2010.

Similar to the U.S. EPA, CARB also designates areas within California as either attainment or nonattainment for each criteria pollutant based on whether the CAAQS have been achieved. Under the CCAA, areas are designated as nonattainment for a pollutant if air quality data shows that a state standard for the pollutant was violated at least once during the previous three calendar years. Exceedances that are affected by highly irregular or infrequent events are not considered violations of a state standard, and are not used as a basis for designating areas as nonattainment. Similar to the FCAA, all areas designated as nonattainment under the CCAA are required to prepare plans showing how the area would meet the CAAQS by its attainment dates. *Table 5.5-1* also illustrates the FCAA and CCAA attainment status for the South Coast Air Basin which the City of Murrieta is located in.

REGIONAL

South Coast Air Quality Management District

The South Coast Air Quality Management District (SCAQMD) is one of 35 air quality management districts that have prepared AQMPs to accomplish a five-percent annual reduction in emissions. The *2007 Air Quality Management Plan for the South Coast Air Basin* (*2007 AQMP*) relies on a multi-level partnership of governmental agencies at the Federal, State, regional, and local level. The *2007 AQMP* proposes policies and measures to achieve Federal and State standards for improved air quality in the Basin and those portions of the Salton Sea Air Basin (formerly named the Southeast Desert Air Basin) that are under SCAQMD jurisdiction. The *2007 AQMP* includes new information on key elements such as:

- Current air quality;
- Improved emission inventories, especially significant increase in mobile source emissions;
- An overall control strategy comprised of: Stationary and Mobile Source Control Measures, SCAQMD, State and Federal Stationary and Mobile Source Control Measures, and the Southern California Association of Governments Regional Transportation Strategy and Control Measures;
- New attainment demonstration for $PM_{2.5}$ and O_3;
- Milestones to the Federal Reasonable Further Progress Plan; and
- Preliminary motor vehicle emission budgets for transportation conformity purposes.

Southern California Association of Governments

The Southern California Association of Governments (SCAG) is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. SCAG serves as the Federally-designated Metropolitan Planning

Organization (MPO) for the Southern California region and is the largest Metropolitan Planning Organization in the United States. With respect to air quality planning, SCAG has prepared the *2008 Regional Comprehensive Plan: Helping Communities Achieve a Sustainable Future* (2008 RCP) for the region, which includes Growth Management and Regional Mobility chapters that form the basis for the land use and transportation control portions of the 2007 AQMP. SCAG is responsible under the FCAA for determining conformity of projects, plans, and programs within the SCAQMD.

Western Riverside Council of Governments

The City of Murrieta is also a member of the Western Riverside Council of Governments (WRCOG). WRCOG is the regional planning agency whose purpose is to unify Western Riverside County. WRCOG has 16 member cities, which together with the Riverside County Board of Supervisors and the Eastern and Western Municipal Water Districts have seats on the WRCOG Executive Committee who sets policy for the organization. WRCOG has formed the Clean Cities Coalition and the Regional Air Quality Task Force, which draw members from local jurisdictions, industry, SCAQMD, and environmental groups who are dedicated to achieving air quality goals for the region.

5.5.2 ENVIRONMENTAL SETTING

SOUTH COAST AIR BASIN

Geography

The City of Murrieta is located in the South Coast Air Basin (Basin), a 10,743-square mile area bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino and San Jacinto Mountains to the north and east. The Basin includes all of Orange County and the nondesert portions of Los Angeles, Riverside, and San Bernardino Counties, in addition to the San Gorgonio Pass area of Riverside County. The Basin's terrain and geographical location (i.e., a coastal plain with connecting broad valleys and low hills) determine its distinctive climate.

The general region lies in the semi-permanent high-pressure zone of the eastern Pacific. The climate is mild and tempered by cool sea breezes. The usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds. The extent and severity of the air pollution problem in the Basin is a function of the area's natural physical characteristics (weather and topography), as well as man-made influences (development patterns and lifestyle). Factors such as wind, sunlight, temperature, humidity, rainfall, and topography all affect the accumulation and/or dispersion of pollutants throughout the Basin.

Climate

The climate in the Basin is characterized by moderate temperatures and comfortable humidity, with precipitation limited to a few storms during the winter season (November through April). The average annual temperature varies little throughout the Basin, averaging 75 degrees Fahrenheit (°F). However, with a less pronounced oceanic influence, the eastern inland portions of the Basin show greater variability in annual minimum and maximum temperatures. January is usually the coldest month at all locations, while July and August are usually the hottest months of the year. Although the Basin has a semi-arid climate, the air near the surface is moist due to the presence of a shallow marine layer. Except for infrequent periods when dry, continental air is brought into the Basin by offshore winds, the ocean effect is dominant. Periods with heavy fog are frequent, and low stratus clouds, occasionally referred to as "high fog," are a characteristic climate feature.

Annual average relative humidity is 70 percent at the coast and 57 percent in the eastern part of the Basin. Precipitation in the Basin is typically 9 to 14 inches annually and is rarely in the form of snow or hail due to typically warm weather. The frequency and amount of rainfall is greater in the coastal areas of the Basin.

In the City of Murrieta, the climate is typically warm during summer when temperatures tend to be in the 80s and cool during winter when temperatures tend to be in the 50s. The warmest month of the year is August with an average maximum temperature of 98°F, while the coldest month of the year is December with an average minimum temperature of 34°F. Temperature variations between night and day tend to be moderate during summer with a difference that can reach 23°F, and moderate during winter with an average difference of 24°F. The annual average precipitation at Murrieta is 11.4 inches. Rainfall is fairly evenly distributed throughout the year. The wettest month of the year is February with an average rainfall of 2.86 inches.[1]

AMBIENT AIR QUALITY

The monitoring stations in the State are operated by CARB, local Air Pollution Control Districts (APCD) or Air Quality Management Districts (AQMD), by private contractors, and by the National Park Service (NPS). These entities operate more than 250 air monitoring stations in California. Air quality monitoring stations usually measure pollutant concentrations ten feet above. In the Basin, each monitoring station is located within a Source Receptor Area (SRA). The communities within an SRA are expected to have similar climatology and ambient air pollutant concentrations. The City of Murrieta is located in SRA 26 (Temecula Valley).

[1] The Weather Channel, *Average Weather for Murrieta, CA*, http://www.weather.com/weather/wxclimatology/monthly/graph/USCA0748, accessed December 6, 2010.

Pollutants Measured

The following air quality information briefly describes the various types of pollutants monitored at the Lake Elsinore, Perris, and Riverside-Magnolia Monitoring Stations. The Lake Elsinore Monitoring Station is the nearest to the City; however, for pollutants not measured at Lake Elsinore, the next closest station was used. Air quality data from 2007 through 2009 is provided in *Table 5.5-2*, *Local Air Quality Levels*.

Table 5.5-2
Local Air Quality Levels

Pollutant	California Standard	Federal Standard	Year	Maximum[1] Concentration	Days (Samples) State/Federal Std. Exceeded
Ozone (O_3) (1-Hour) [2]	0.09 ppm for 1 hour	NA	2007 2008 2009	0.129 ppm 0.139 0.128	26/3 49/6 24/1
Ozone (O_3) (8-Hour)[2]	0.07 ppm for 8 hours	0.08 ppm for 8 hours	2007 2008 2009	0.109 ppm 0.119 0.106	56/35 91/69 65/35
Carbon Monoxide (CO) (1-Hour)[2]	20.0 ppm For 1 hour	35.0 ppm for 1 hour	2007 2008 2009	1.60 ppm 1.10 1.00	0/0 0/0 0/0
Carbon Monoxide (CO) (8-Hour)[2]	9.0 ppm for 8 hours	9.0 ppm for 8 hours	2007 2008 2009	1.40 ppm 0.84 0.73	0/0 0/0 0/0
Nitrogen Dioxide (NO_2) [2]	0.25 ppm for 1 hour	0.053 ppm annual average	2007 2008 2009	0.064 ppm 0.055 0.055	0/0 0/0 0/0
Particulate Matter (PM_{10}) [2, 3,5,6]	50 µg/m^3 for 24 hours	150 µg/m^3 for 24 hours	2007 2008 2009	1,212.0 µg/m^3 125.4 75.2	25/2 NA/0 NA/0
Fine Particulate Matter ($PM_{2.5}$) [2,4,6]	No Separate State Standard	65 µg/m^3 for 24 hours	2007 2008 2009	68.5µg/m^3 41.1 34.2	NA/8 NA/2 NA/NA

ppm = parts per million; PM_{10} = particulate matter 10 microns in diameter or less; NM = not measured; µg/m^3 = micrograms per cubic meter; $PM_{2.5}$ = particulate matter 2.5 microns in diameter or less; NA = not available.

Notes:
1. Maximum concentration is measured over the same period as the California Standards.
2. Lake Elsinore-West Flint Street Monitoring Station located at 506 West Flint Street, Lake Elsinore, California 92530.
3. Perris Monitoring Station located at 237 ½ North D Street, Perris, California 92570.
4. Riverside-Magnolia Monitoring Station located at 7002 Magnolia Avenue, Riverside, California 92506.
5. PM_{10} exceedances are based on State thresholds established prior to amendments adopted on June 20, 2002.
6. PM_{10} and $PM_{2.5}$ exceedances are derived from the number of samples exceeded, not days.

Source: Aerometric Data Analysis and Measurement System (ADAM), summaries from 2007 to 2009, http://www.arb.ca.gov/adam.

Carbon Monoxide. Carbon monoxide (CO) is an odorless, colorless toxic gas that is emitted by mobile and stationary sources as a result of incomplete combustion of hydrocarbons or other carbon-based fuels. In cities, automobile exhaust can cause as much as 95 percent of all CO emissions.

CO replaces oxygen in the body's red blood cells. Individuals with a deficient blood supply to the heart, patients with diseases involving heart and blood vessels, fetuses, and patients with chronic hypoxemia (oxygen deficiency, as seen in high altitudes) are most susceptible to the adverse effects of CO exposure. People with heart disease are also more susceptible to developing chest pains when exposed to low levels of CO. Exposure to high levels of CO can slow reflexes and cause drowsiness, as well as result in death in confined spaces at very high concentrations.

Nitrogen Dioxide. NO_X are a family of highly reactive gases that are a primary precursor to the formation of ground-level O_3, and react in the atmosphere to form acid rain. NO_2 (often used interchangeably with NO_X) is a reddish-brown gas that can cause breathing difficulties at high levels. Peak readings of NO_2 occur in areas that have a high concentration of combustion sources (e.g., motor vehicle engines, power plants, refineries, and other industrial operations).

NO_2 can irritate and damage the lungs, and lower resistance to respiratory infections such as influenza. The health effects of short-term exposure are still unclear. However, continued or frequent exposure to NO_2 concentrations that are typically much higher than those normally found in the ambient air, may increase acute respiratory illnesses in children and increase the incidence of chronic bronchitis and lung irritation. Chronic exposure to NO_2 may aggravate eyes and mucus membranes as well as cause pulmonary dysfunction.

Ozone. Ozone (O_3) occurs in two layers of the atmosphere. The layer surrounding the earth's surface is the troposphere. The troposphere extends approximately 10 miles above ground level, where it meets the second layer, the stratosphere. The stratospheric (the "good" O_3 layer) extends upward from about 10 to 30 miles and protects life on earth from the sun's harmful ultraviolet rays.

The "Bad" O_3 is a photochemical pollutant, and needs reactive organic compounds (ROGs), NO_X, and sunlight to form; therefore, ROGs and NO_X are O_3 precursors. To reduce O_3 concentrations, it is necessary to control the emissions of these O_3 precursors. Significant O_3 formation generally requires an adequate amount of precursors in the atmosphere and a period of several hours in a stable atmosphere with strong sunlight. High O_3 concentrations can form over large regions when emissions from motor vehicles and stationary sources are carried hundreds of miles from their origins.

While O_3 in the upper atmosphere (stratosphere) protects the earth from harmful ultraviolet radiation, high concentrations of ground-level O_3 (in the troposphere) can adversely affect the human respiratory system and other tissues. O_3 is a strong irritant that can constrict the airways, forcing the respiratory system to work hard to deliver oxygen. Individuals exercising outdoors,

children, and people with pre-existing lung disease such as asthma and chronic pulmonary lung disease are considered to be the most susceptible to the health effects of O_3. Short-term exposure (lasting for a few hours) to O_3 at levels typically observed in Southern California can result in aggravated respiratory diseases such as emphysema, bronchitis and asthma, shortness of breath, increased susceptibility to infections, inflammation of the lung tissue, increased fatigue, as well as chest pain, dry throat, headache, and nausea.

Coarse Particulate Matter (PM_{10}). PM_{10} refers to suspended particulate matter which is smaller than 10 microns (or ten one-millionths) of a meter. PM_{10} arises from sources such as road dust, diesel soot, combustion products, construction operations, and dust storms. PM_{10} scatters light and significantly reduces visibility. In addition, these particulates penetrate in the lungs and can potentially damage the respiratory tract. On June 19, 2003, CARB adopted amendments to the statewide 24-hour particulate matter standards based upon requirements set forth in the Children's Environmental Health Protection Act (Senate Bill 25).

Fine Particulate Matter ($PM_{2.5}$). Due to recent increased concerns over health impacts related to fine particulate matter (particulate matter 2.5 microns in diameter or less), both State and Federal $PM_{2.5}$ standards have been created. Particulate matter impacts primarily affect infants, children, the elderly, and those with pre-existing cardiopulmonary disease. In 1997, the U.S. EPA announced new $PM_{2.5}$ standards. Industry groups challenged the new standard in court and the implementation of the standard was blocked. However, upon appeal by the U.S. EPA, the U.S. Supreme Court reversed this decision and upheld the U.S. EPA's new standards.

On January 5, 2005, the U.S. EPA published a Final Rule in the Federal Register that designates the Orange County portion of the Basin as a nonattainment area for Federal $PM_{2.5}$ standards.[2] On June 20, 2002, CARB adopted amendments for statewide annual ambient particulate matter air quality standards. These standards were revised/established due to increasing concerns by CARB that previous standards were inadequate, as almost everyone in California is exposed to levels at or above the current State standards during some parts of the year, and the statewide potential for significant health impacts associated with particulate matter exposure was determined to be large and wide-ranging.[3]

Sulfur Dioxide. SO_2 is a colorless, irritating gas with a rotten egg smell. It is formed primarily by the combustion of sulfur-containing fossil fuels. Sulfur dioxide is often used interchangeably with sulfur oxides (SO_X) and lead (Pb). Exposure of a few minutes to low levels of SO_2 can result in airway constriction in some asthmatics. In asthmatics, increase in resistance to air flow, as well as reduction in breathing capacity leading to severe breathing difficulties, are observed after acute exposure to SO_2.

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[2] http://www.epa.gov/fedrgstr/EPA-AIR/2005/January/Day-05/a001.pdf

[3] California Environmental Protection Agency, Air Resources Board, *Staff Report: Public Hearing to Consider Amendments to the Ambient Air Quality Standards for Particulate Matter and Sulfates*, May 3, 2002.

Reactive Organic Gases and Volatile Organic Compounds. Hydrocarbons are organic gases that are formed solely of hydrogen and carbon that exist in the ambient air. There are several subsets of organic gases including reactive organic gases (ROGs) and volatile organic compounds (VOCs). ROGs contribute to the formation of smog and/or may be toxic themselves. ROGs often have an odor; some examples include gasoline, alcohol, and the solvents used in paints.

PRIMARY SOURCES OF EMISSIONS

Air pollutants within the City are generated by stationary and mobile sources. These emission sources are described below.

Stationary and Point Sources

Stationary source emissions refer to those that originate from a single place or object that does not move around. Typical stationary sources include buildings, power plants, mines, smokestacks, vents, incinerators, and other facilities using industrial combustion processes. Stationary point sources have one or more emission sources at a facility with an identified location and are usually associated with manufacturing and industrial projects.

The City also contains several point sources of air pollutants. A variety of pollutants, including reactive hydrocarbons from activities such as spray painting, are generated by smaller commercial and industrial uses. Industrial uses are generally located in the southern portion of the City. While each use might not represent a significant source of air pollution, the cumulative effects of development within the City could be significant. Although the number and nature of future additional air pollutant point sources is presently unknown, each individual source would be required to comply with rules and regulations established by the SCAQMD. These regulations require that sources of hazardous materials or criteria pollutants above threshold levels obtain permits prior to operation of the facility.

Mobile Sources

Mobile sources of emissions refer to those moving objects that release pollution and include cars, trucks, busses, planes, trains, motorcycles, and gasoline-powered lawn mowers. Mobile source emissions may be classified as on- or off-road sources. Increased traffic volumes within the City of Murrieta could contribute to regional incremental emissions of NO_X, VOC, CO, SO_X, and PM_{10}. The following is a listing of emissions that typically emanate from vehicular sources:

- Vehicle running exhaust (VOC, CO, NO_X, SO_X, and PM_{10});
- Vehicle tire wear particulates (PM_{10});
- Vehicle brake wear particulates (PM_{10});
- Vehicle variable starts (VOC, CO, NO_X);

- Vehicle hot soaks (VOC);
- Vehicle diurnal (VOC);
- Vehicle resting losses (VOC); and
- Vehicle evaporative running losses (VOC).

ON-ROAD SOURCES

These sources are considered to be a combination of emissions from automobiles, trucks, and indirect sources. Major sources of mobile emissions in the City include the local and regional roadway network. Interstate 15 (I-15) and Interstate 215 (I-215) are the two major regional access routes that pass through the City, as well as State Highway 79 (SR-79 or Winchester Road). In the City, 2004 daily traffic volumes reached 196,000 vehicles per day for I-15; 93,000 vehicles per day for I-215; and 33,500 vehicles per day for Highway 79.[4] Other heavily traveled roadways within the City that contribute to localized air quality emissions are Clinton Keith Road, Scott Road, Washington Avenue, California Oaks Road, Los Alamos Road, Murrieta Hot Springs Road, Jefferson Avenue, Jackson Street, and Antelope Road.

Indirect on-road sources of emissions are those that by themselves may not emit air contaminants; however, they indirectly cause the generation of air pollutants by attracting vehicle trips or by consuming energy. Examples of these indirect sources include an office complex or commercial center that generates trips and consumes energy resources.

OFF-ROAD SOURCES

Off-road sources include aircraft, construction equipment, and landscape equipment. Primary sources of aircraft traffic within the City are from the French Valley Airport, located outside of the City's Sphere of Influence. As a result, aircraft flying over the City can contribute off-road emissions. There are currently no railroad tracks located within the City.

EMISSION INVENTORY

Riverside County Emissions Inventory

Table 5.5-3, *2008 Estimated Emissions Inventory for Riverside County*, summarizes the emissions of criteria air pollutants within Riverside County for various source categories in 2008. According to Riverside County's emissions inventory, vehicular sources are the largest contributor to the estimated annual average air pollutant levels for ROG, CO, NO_X, SO_X, PM_{10}, and $PM_{2.5}$.

[4] California Department of Transportation, *Traffic and Vehicle Data Systems Unit*, 2008.

Table 5.5-3
2008 Estimated Emissions Inventory for Riverside County

Source Type/Category	Estimated Annual Average Emissions (Tons/Day)					
	ROG	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
Stationary Sources						
Fuel Combustion	0.41	2.20	4.33	0.46	0.28	0.28
Waste Disposal	1.17	0.04	0.11	0.02	0.18	0.04
Cleaning and Surface Coating	5.01	0.00	0.00	0.00	0.16	0.16
Petroleum Production Marketing	2.94	-	-	0.00	-	-
Industrial Processes	3.21	0.04	0.15	0.01	3.13	125
Subtotal (Stationary Sources)[1]	**12.75**	**2.29**	**4.59**	**0.49**	**3.75**	**1.72**
Areawide Sources						
Solvent Evaporation	17.55	-	-	-	0.00	0.00
Miscellaneous Processes	4.70	12.80	2.89	0.07	60.74	10.31
Subtotal (Areawide Sources)[1]	**22.26**	**12.80**	**2.89**	**0.07**	**60.75**	**10.31**
Mobile Sources						
On-Road Mobile Sources	32.20	334.48	111.49	0.35	5.80	4.49
Other Mobile Sources	17.81	97.26	34.33	0.31	2.10	1.88
Subtotal (Mobile Sources)[1]	**50.01**	**431.75**	**145.82**	**0.66**	**7.90**	**6.36**
Grand Total for Riverside County[2]	**85.01**	**446.84**	**153.29**	**1.22**	**72.39**	**18.39**

Notes:
1 – Totals may be slightly off due to rounding. Totals are derived from the inventory model, and are not specifically added by category.
2 – This total excludes emissions from natural sources (i.e., biogenic, geogenic, and wildfire sources).

Source: California Air Resources Board, California Emissions Facility Search Engine (CEFS), accessed at: http://www.arb.ca.gov/app/emsinv/emssumcat_query.php?F_DIV=-4&F_DD=Y&F_YR=2008&F_SEASON=A&SP=2009&F_AREA=CO&F_CO=33.

City of Murrieta Emissions Inventory

Table 5.5-4, *Summary of Estimated Emissions Inventory for the City of Murrieta*, summarizes the emissions of criteria air pollutants within the City for area, mobile, and indirect source categories. The emissions inventory is based on existing land use information, vehicle miles traveled, City water consumption data, and energy consumption data. The data used to calculate the emissions inventory for criteria pollutants is based on the City's GIS data. According to the emissions inventory, mobile sources are the largest contributor to the estimated annual average air pollutant levels.

Table 5.5-4
Summary of Estimated Emissions Inventory for the City of Murrieta

Source Type/Category[2]	Estimated Annual Average Emissions (Tons/Year) [1]					
	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Area Sources						
Natural Gas Combustion	8.66	113.40	57.02	0.00	0.21	0.21
Landscaping Equipment	42.28	2.65	235.01	0.01	0.62	0.62
Consumer Products	305.56	-	-	-	-	-
Architectural Coatings	35.05	-	-	-	-	-
Subtotal (Area Sources)[3]	**391.55**	**116.05**	**292.03**	**0.01**	**0.83**	**0.83**
Indirect Sources						
Energy Consumption[4]	1.79	205.00	0.04	21.40	7.14	-
Water Conveyance[6]	0.86	9.87	1.72	1.03	0.34	-
Subtotal (Indirect Sources)[3]	**2.65**	**214.87**	**1.76**	**22.43**	**7.48**	**-**
Mobile Sources (by land use category)						
Single Family Housing	373.75	522.19	4472.77	5.06	872.06	169.80
Multifamily Housing	39.08	53.07	454.56	0.51	88.63	17.26
High School [civic/institutional]	24.49	35.60	293.82	0.34	59.37	11.54
City Park	5.01	5.01	41.17	0.05	8.34	1.62
Strip Mall [commercial]	377.53	575.54	4720.04	5.50	957.88	186.19
Professional Office	20.14	28.92	242.78	0.28	48.49	9.43
Office Park [business park]	34.30	49.30	417.31	0.48	82.92	16.13
General Light Industrial	9.91	13.71	116.13	0.13	23.06	4.49
Subtotal (Mobile Sources)[3]	**884.21**	**1,283.36**	**10,758.58**	**12.35**	**2,140.75**	**416.46**
Grand Total for the City of Murrieta	**1,278.41**	**1,614.28**	**11,052.37**	**34.79**	**2,149.06**	**417.29**

Notes:
1 – Emissions estimates calculated using URBEMIS 2007 (version 9.2.4).
2 – Emissions estimates calculated using the land use categories/intensities depicted in Section 5.1, Land Use.
3 – Totals may be slightly off due to rounding.
4 – Calculated utilizing the SCAQMD, *CEQA Handbook, Table A9-11*, April 1993 and the California Climate Action Registry.
5 – The SCAQMD does not have emission factors for $PM_{2.5}$ from energy consumption.
6 – Energy usage estimates calculated using factors from the California Energy Commission, Water *Energy Use in California*, June 2008.

SENSITIVE RECEPTORS

Sensitive populations are more susceptible to the effects of air pollution than are the general population. Sensitive populations (sensitive receptors) that are in proximity to localized sources of toxics and CO are of particular concern. Land uses considered sensitive receptors include residences, schools, playgrounds, childcare centers, athletic facilities, churches, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. The majority of land uses located within the City that are sensitive to air pollution include residential uses (particularly those in the vicinity of I-15 and I-215), schools, hospitals (particularly the Rancho Springs Medical Center), churches, and parks. Most pollutant sources affecting sensitive receptors in the City include freeways and arterials.

PUBLIC HEALTH

SCAQMD Mates III Study

The Multiple Air Toxics Exposure Study III (MATES III) is a monitoring and evaluation study conducted by the SCAQMD. The MATES III study consists of a monitoring program, an updated emissions inventory of toxic air contaminants, and a modeling effort to characterize risk throughout the Basin. The study concentrates on the carcinogenic risk from exposure to air toxics. Ten monitoring locations measured toxic air contaminants (over 30 air pollutants) once every three days for two years. The monitoring locations were the same as the previous MATES II Study in order to provide comparisons. Additionally, five mobile monitoring platforms were used to determine if gradients existed between communities.

The carcinogenic risk from air toxics in the Basin, based on average concentrations at the fixed monitoring locations, is about 1,200 per million (as compared to the 1,400 per million in the MATES II Study). This risk refers to the expected number of additional cancers in a population of one million individuals that are exposed over a 70-year lifetime. Under the MATES III methodology, approximately 94 percent of the risk is attributed to mobile source emissions, and approximately six percent is attributed to stationary sources. The City of Murrieta is closest to the Rubidoux monitoring location, which had relatively moderate levels of risk. The Huntington Park and Inland Valley San Bernardino monitoring locations reported the highest levels of risk. However, as compared to previous studies of the presence of air toxics in the Basin, the MATES III Study found a decreasing risk for air toxics exposure. The study found an estimated Basin-wide population-weighted risk down by eight percent from the MATES II Study. Although the Basin has some areas with higher concentrations of air toxics, these concentrations are declining and conditions are improving. Ambient air toxics data from the ten fixed monitoring sites demonstrated a reduction in air toxic levels and risks. Although the model estimates an overall Basin-wide reduction, some areas (near the ports, eastern portions of the Basin, and in northern Los Angeles County) showed an increase in air toxics risk.

General Plan Guidance

The SCAQMD has prepared the *Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning*, dated May 6, 2005. The SCAQMD has made this document available to local governments as a tool to assist in the development of their General Plans and other planning decisions. Implementation of the suggested strategies throughout the region will strengthen the local government partnership with the SCAQMD to achieve State and Federal clean air standards and demonstrate efforts taken to provide environmental equity and protect public health.

The involvement of local governments to establish public policies that support SCAQMD strategies is essential for this region to meet State and Federal air quality goals. Since the General Plan is the foundation for all local planning and development decisions, it is the most

important tool in the implementation of local government policies and programs necessary to achieve clean air standards. Local governments work with their Council of Governments and the SCAQMD to improve air quality through a variety of programs, including regulatory actions, policy making, and education programs. The City can address air quality issues through ordinances, local circulation systems, transportation services, energy, and land use. Design standards such as requirements for bicycle racks and bicycle paths may result in reduced motor vehicle trips and decreased levels of air pollutants. The *Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning* suggests policies and strategies which are intended to guide local governments in developing approaches to reduce exposure to source-specific air pollution and lower health risk associated with cumulative air pollution impacts.

5.5.3 SIGNIFICANCE THRESHOLD CRITERIA

Under *CEQA*, the SCAQMD is an expert commenting agency on air quality within its jurisdiction or impacting its jurisdiction. The SCAQMD reviews projects to ensure that they would not: 1) cause or contribute to any new violation of any air quality standard; 2) increase the frequency or severity of any existing violation of any air quality standard; or 3) delay timely attainment of any air quality standard or any required interim emission reductions or other milestones of any Federal attainment plan.

The SCAQMD's *CEQA Air Quality Handbook* provides significance thresholds for both construction and operation of projects within the SCAQMD jurisdictional boundaries; refer to *Table 5.5-5*, *South Coast Air Quality Management District Emission Thresholds*. If the SCAQMD thresholds are exceeded, a potentially significant impact could result. However, ultimately the lead agency determines the thresholds of significance for impacts.

Table 5.5-5
South Coast Air Quality Management District Emissions Thresholds

Phase	Pollutant (lbs/day)					
	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Construction	75	100	550	150	150	55
Operational	55	55	550	150	150	55

Source: South Coast Air Quality Management District, *CEQA Air Quality Handbook*, November 1993.

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, air quality impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Conflict with or obstruct implementation of the applicable air quality plan.
- Violate any air quality standard or contribute substantially to an existing or projected air quality violation.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors).
- Exposes sensitive receptors to substantial pollutant concentrations.
- Create objectionable odors affecting a substantial number of people.

Based on these standards and significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.5.4 PROJECT IMPACTS AND MITIGATION MEASURES

SHORT-TERM CONSTRUCTION EMISSIONS

■ CITYWIDE CONSTRUCTION ACTIVITIES UNDER THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN A CONSIDERABLE INCREASE OF CRITERIA POLLUTANTS, AND THUS, COULD VIOLATE AIR QUALITY STANDARDS.

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Implementation of the proposed General Plan 2035 would result in new emissions being generated from construction activities. The thresholds of significance recommended by the SCAQMD for construction emissions were developed for individual development projects. Construction-related emissions are described as short-term or temporary in duration and have the potential to represent a significant impact with respect to air quality. Implementation of the proposed General Plan 2035 is dependent on individual housing decisions, employment opportunities, provision of services for housing and supporting commercial uses, land use decisions by the City and other public agencies, regional transportation planning decisions, the decisions of financial institutions related to development projects, and other similar factors.

Buildout of the proposed General Plan 2035 would be reviewed in relation to residential uses, revenue-generating employment uses, housing affordability, provision and financing of infrastructure and public facilities, mechanisms for funding of ongoing service needs and overall coordination of improvements with future development projects. Subsequent implementation of future projects and plans would continue to define specific phasing at a detailed level and be reviewed by the City to ensure that development occurs in a logical manner consistent with policies in the proposed General Plan 2035, and that additional environmental review is conducted under *CEQA*, as needed.

Construction-related activities associated with implementation of the proposed General Plan 2035 would result in emissions of criteria air pollutants and precursors from site preparation (e.g., demolition, excavation, grading, and clearing); exhaust from off-road equipment, material delivery trucks, and worker commute vehicles; vehicle travel on roads; and other miscellaneous activities (e.g., building construction, asphalt paving, application of architectural coatings, and trenching for utility installation).

Construction activities occurring under the proposed General Plan 2035 could also generate airborne odors associated with the operation of construction vehicles (i.e., diesel exhaust) and the application of architectural coatings. However, these odors are not generally considered offensive. Emissions would occur during daytime hours only and would be isolated to the immediate vicinity of the construction site and activity. As such, these odors would not affect a substantial number of people and impacts would be limited to people living and working near the source. Due to the types of odors that would occur in the City and limited exposure, implementation of the proposed General Plan 2035 would not create construction-related objectionable odors affecting a substantial number of people; thus, impacts would be less than significant in this regard.

Because the proposed General Plan 2035 identifies future land uses and does not contain specific development proposals, construction-related emissions that may occur at any one time are speculative and cannot be accurately determined at this stage of the planning process. Assuming relatively robust economic conditions over the next 20 to 25 years, construction activities would occur throughout the City, but the rate of development cannot be anticipated. Construction-related emissions could lead to the violation of an applicable air quality standard or contribute substantially to an existing or projected air quality violation.

The proposed General Plan 2035 Air Quality Element Goal AQ-3 addresses the reduction of emissions during construction activities. Policies AQ-3.1 through AQ-3.3 would require construction activities to adhere to SCAQMD regulations, ensure best management practices are implemented, and require construction equipment to comply with CARB vehicle standards. Additionally, Policy AQ-3.4 requires projects to prepare and implement Construction Management Plans, which shall include dust control measures, vehicle emission standards, among other emission-reducing control measures. These policies would require construction-related emissions for individual projects to be reduced to a level below daily emissions standards established by the SCAQMD. Goal AQ-7 would also reduce fugitive dust emissions throughout

the City. Policies AQ-7.2 through AQ-7.4 would minimize fugitive dust from construction through collaborative efforts and would consider the suspension of all grading operations at project sites when the source represents a public nuisance or potential safety hazard. However, the proposed General Plan 2035 would facilitate future development and generate construction emissions that would potentially exceed SCAQMD thresholds. Thus, a significant unavoidable impact would occur.

Goals and Policies in the Proposed General Plan 2035:

AIR QUALITY ELEMENT

Goal AQ-3 Reduced emissions during construction activities.

Policies

AQ-3.1 Ensure that construction activities follow current South Coast Air Quality Management District (SCAQMD) rules, regulations, and thresholds.

AQ-3.2 Ensure all applicable best management practices are used in accordance with the South Coast Air Quality Management District (SCAQMD) to reduce emitting criteria pollutants during construction.

AQ-3.3 Require all construction equipment for public and private projects comply with California Air Resources Board's (CARB) vehicle standards. For projects that may exceed daily construction emissions established by the South Coast Air Quality Management District (SCAQMD), Best Available Control Measures will be incorporated to reduce construction emissions to below daily emission standards established by the SCAQMD.

AQ-3.4 Require project proponents to prepare and implement a Construction Management Plan, which will include Best Available Control Measures among others. Appropriate control measures will be determined on a project by project basis, and should be specific to the pollutant for which the daily threshold is exceeded. Such control measures may include but not be limited to:

- Minimizing simultaneous operation of multiple construction equipment units.
- Implementation of South Coast Air Quality Management District (SCAQMD) Rule 403, Fugitive Dust Control Measures.
- Watering the construction area to minimize fugitive dust.
- Require that off-road diesel powered vehicles used for construction shall be new low emission vehicles, or use retrofit emission control devices, such as

diesel oxidation catalysts and diesel particulate filters verified by California Air Resources Board (CARB).

- Minimizing idling time by construction vehicles.

Goal AQ-7 Particulate matter and fugitive dust emissions are reduced throughout the City.

Policies

AQ-7.1 Adopt incentives, regulations, or procedures to reduce particulate matter.

AQ-7.2 Collaborate with transportation agencies, utilities, and developers to minimize fugitive dust and emissions from construction and maintenance activities.

AQ-7.3 Cooperate with local, regional, State, and Federal jurisdictions and/or agencies to better control fugitive dust from stationary, mobile, and area sources.

AQ-7.4 Consider the suspension of all grading operations, not including dust control actions, at construction projects when the source represents a public nuisance or potential safety hazard due to reduced visibility on streets surrounding the property.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are available.

Level of Significance After Mitigation: Significant Unavoidable Impact.

LONG-TERM MOBILE AND STATIONARY SOURCE EMISSIONS

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN AN OVERALL INCREASE IN MOBILE AND STATIONARY SOURCE EMISSIONS WITHIN THE CITY, WHICH COULD EXCEED SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT AIR QUALITY STANDARDS.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Regional area- and mobile-source emissions of criteria air pollutants and ozone precursors were modeled using URBEMIS (URBEMIS 2007, version 9.2.4), which is designed to estimate emissions for land use development projects. URBEMIS allows land use data entries that include project location specifics and trip generation rates, and accounts for area-source emissions from the use of natural gas, fireplaces, consumer products, as well as mobile-source emissions associated with vehicle trip generation. Regional area- and mobile-

source emissions were modeled based on proposed land use types, the increase in trip generation from the traffic analysis prepared for the proposed General Plan 2035, and default settings and parameters attributable to the analysis period and site location. *Table 5.5-6*, *Summary of 2035 Estimated Emissions Inventory*, presents the criteria air pollutant emissions within the City for area and mobile source categories at buildout. According to the emissions inventory, mobile sources are the largest contributor to the estimated annual average air pollutant levels.

Table 5.5-6
Summary of 2035 Estimated Emissions Inventory

Source Type/Category[2]	Estimated Annual Average Emissions (Tons/Year)[1]					
	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Area Sources						
Natural Gas Combustion	14.23	188.52	109.40	0.00	0.35	0.35
Landscaping Equipment	48.10	3.02	267.22	0.01	0.71	0.70
Consumer Products	416.47	-	-	-	-	-
Architectural Coatings	78.67	-	-	-	-	-
Subtotal (Area Sources)[3]	**557.47**	**191.54**	**376.62**	**0.01**	**1.06**	**1.05**
Indirect Sources						
Energy Consumption[4]	4.47	514.00	0.09	53.70	17.90	-
Water Conveyance[6]	0.11	12.60	2.20	1.32	0.44	-
Subtotal (Indirect Sources)[3]	**4.58**	**526.60**	**2.29**	**55.02**	**18.34**	**-**
Mobile Sources (by land use category)						
Single Family Housing	425.40	594.36	5,090.88	5.76	992.57	193.26
Multifamily Housing	115.60	156.97	1,344.52	1.52	262.14	51.04
High School [civic/institutional]	18.14	26.37	217.64	0.25	43.98	8.55
City Park	8.81	8.80	72.34	0.08	14.66	2.85
Strip Mall [commercial]	918.75	1,400.62	11,486.63	13.38	2,331.08	453.11
Professional Office	246.53	354.02	2,972.14	3.43	593.68	115.48
Office Park [business park]	180.87	560.13	2,200.81	2.53	437.33	85.09
General Light Industrial	15.17	21.00	177.83	0.20	35.31	6.87
Subtotal (Mobile Sources)[3]	**1,929.27**	**2,822.27**	**23,562.79**	**27.15**	**4,710.75**	**916.25**
Grand Total for the City of Murrieta	**2,491.32**	**3,540.41**	**23,941.70**	**82.18**	**4,730.15**	**917.30**

Notes:
1 – Emissions estimates calculated using URBEMIS 2007 (version 9.2.4).
2 – Emissions estimates calculated using the land use categories/intensities depicted in Section 5.1, Land Use.
3 – Totals may be slightly off due to rounding.
4 – Calculated utilizing the SCAQMD, *CEQA Handbook, Table A9-11*, April 1993 and the California Climate Action Registry.
5 – The SCAQMD does not have emission factors for $PM_{2.5}$ from energy consumption.
6 – Energy usage estimates calculated using factors from the California Energy Commission, Water *Energy Use in California*, June 2008.

The City's stationary source emissions primarily consist of industrial, residential, and commercial uses. Indirect sources consist of electricity usage including the energy usage associated with water consumption. Mobile source emissions are produced by each trip generating land use within the City (e.g., residential, schools, retail, office, industrial, etc.). The anticipated 2035 development potential of the proposed General Plan 2035 includes 44,484 dwelling units, 18,683,477 square feet of commercial uses, 16,465,371 square feet of office uses,

11,403,714 square feet of business park uses, 1,498,300 square feet of industrial uses, 1,168,369 square feet of civic/institutional uses, 853,913 square feet of mixed use, and 16,508 square feet of parks and open space.

Goal AQ-1 of the proposed General Plan 2035 Air Quality Element would improve air quality within the City through participation in regional and local efforts. Policies AQ-1.1 through AQ-1.5 would achieve this goal by updating City regulations, working with local, regional, State, and Federal agencies (including SCAG), reviewing and updating City regulations and requirements based on new technology, helping implement SB 375, and providing public education on clean products. Additionally, Goal AQ-2 addresses land use and air quality relationships. Specifically, Policies AQ-2.1 through AQ-2.5 consider the location of sensitive receptors near pollution sources and freeways, and considering these impacts when making siting decisions, and consult the CARB handbook for siting sensitive uses at safe distances from polluters. Goal AQ-6 aims to minimize stationary source pollution. Policies AQ-6.1 through AQ-6.4 would ensure that industrial and commercial uses adhere to SCAQMD rules and regulations, encourage the use of new technology, and promote smart land use planning to ensure sensitive receptors are not subject to harmful emissions. Policies AQ-6.5 through AQ-6.7 would also ensure indoor air quality is improved for residential uses near high levels of pollution and would employ strategies to mitigate air quality impacts.

Mobile source emissions are based on trip generation and traffic data provided by Iteris, and encompass vehicular emissions for all trips captured or generated within the City limits. Proposed General Plan 2035 traffic forecasts were based on the proposed land use changes for the Focus Areas (areas of land use and policy change in the proposed General Plan 2035), as well as other growth in the City outside of the Focus Areas. As previously noted, mobile source emissions are the largest emissions source in the City. The goals and policies identified within the proposed General Plan 2035 would reduce mobile source emissions. Goal AQ-4 and Policies AQ-4.1 through AQ-4.4 would reduce vehicle miles traveled (VMT) and associated mobile source emissions through job creation and the improvement of the jobs/housing balance within the City, as well as the encouragement of a mix of housing types located near job opportunities. Goal AQ-5 aims to improve air quality through an efficient circulation system, reduced traffic congestion, and reduced VMT. Policy AQ-5.1 encourages employers to implement transportation demand management (TDM) measures (i.e., transit subsidies, bicycle facilities, telecommuting, etc.). Policies CIR-5.9 through CIR-5.12, and CIR-6.1 through CIR-6.12 of the proposed General Plan 2035 Circulation Element promote mass transit, high-speed rail, and non-motorized transit facilities. Policies AQ-5.4 through AQ-5.7 encourage the reduction of air emissions through the use of low emission technology, trip reduction plans, and reduced emission equipment and vehicles. Circulation and Land Use Element Policies CIR-1.4, LU-8.1 (Land Use Element), and LU-8.2 would improve signal coordination at major intersections, encourage mixed-use development, and promote non-motorized transportation options (i.e., bicycle and pedestrian).

Impact Conclusion

The thresholds of significance that have been recommended by the SCAQMD were established for individual development projects and are based on the SCAQMD's New Source Review emissions standards for individual sources of new emissions, such as boilers and generators. They do not apply to cumulative development or multiple projects. Air quality impacts would be regional and not confined to the Murrieta City limits. The destinations of motor vehicles, which are the primary contributors to air pollution, vary widely and cross many jurisdictional boundaries. As stated above, the proposed General Plan 2035 establishes the City's mobility goals by providing improved local and regional transit services as well as a connected, balanced, and integrated transportation system of bicycle and pedestrian networks. Such alternatives to automotive transportation can be greatly utilized to reduce mobile source emissions. Future site-specific development proposals would be evaluated for potential air emissions once development details have been determined and are available. Individual projects may not result in significant air quality emissions. Although individual development projects have the potential to exceed SCAQMD thresholds, the proposed General Plan 2035 goals and policies would reduce help to reduce the significance of impacts from these individual development projects.

Development projects allowed under the General Plan 2035 would increase regional ozone precursor pollutants over current conditions, specifically reactive organic compounds and nitrogen oxides. CEQA review of individual development projects would include an evaluation to determine whether potential air pollutant emissions generated from growth could result in a significant impact to air quality. The significance level of these impacts would be determined during review and appropriate mitigation measures would be developed. However, due to the magnitude of development and associated mobile and stationary source air quality impacts, impacts would be significant unavoidable in this regard.

Goals and Policies in the Proposed General Plan 2035:

AIR QUALITY ELEMENT

Goal AQ-1 Improved air quality through participation in regional and local efforts.

Policies

AQ-1.1 Continue to work with the Western Riverside Council of Governments (WRCOG) Regional Air Quality Task Force to implement regional and local programs designed to meet federal, state, and regional air quality planning requirements.

AQ-1.2 Review and update City regulations and/or requirements, as needed, based on improved technology and new regulations including updates to the Air Quality Management Plan (AQMP), rules and regulations from South Coast Air Quality

Management District (SCAQMD), and revisions to SCAQMD's CEQA Guidelines.

AQ-1.3 Cooperate with local, regional, State, and Federal agencies to achieve better transportation facility planning and development.

AQ-1.4 Cooperate with the State and Southern California Association of Governments (SCAG) in the implementation of SB 375 – Regional Transportation Planning, Housing, CEQA and Global Warming Emission Reduction Strategies.

AQ-1.5 Provide public education and/or materials to educate and encourage residents and business owners to purchase/use low toxicity household cleaning products.

Goal AQ-2 The relationship between land use and air quality is considered in policy decisions in order to protect public health and improve air quality.

Policies

AQ-2.1 Locate sensitive receptors (i.e. residences, schools, playgrounds, childcare centers, athletic facilities, churches, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes) away from significant pollution sources to the maximum extent feasible.

AQ-2.2 Avoid locating new homes, schools, childcare and elder care facilities, and health care facilities within 500 feet of freeways.

AQ-2.3 Consider air quality impacts from both existing and new development when making siting decisions.

AQ-2.4 Consult the California Air Resources Board's (CARB) Land Use and Air Quality Handbook and current environmental health research for the safe distances to sensitive land uses including schools, hospitals, elder and childcare facilities, or residences when new or expanded industrial land uses or other stationary sources of pollution are proposed, such as gas stations or auto body shops.

AQ-2.5 Work with developers and/or builders of the any sensitive land uses, such as hospitals, to determine compliance with California Air Resources Board (CARB) standards and to ensure any future plans or expansions are in compliance, and encourage retrofits to the facility such as plantings or air filters to improve indoor air quality, if necessary.

Goal AQ-4 Mobile source emissions are reduced by providing a balance of jobs and housing that serve the needs of the community.

Policies

AQ-4.1 Cooperate with local, regional, State, and Federal agencies to reduce vehicle miles traveled (VMT) and consequent emissions through job creation.

AQ-4.2 Improve jobs/housing balance by encouraging the development, expansion, and retention of business.

AQ-4.3 Improve access of businesses to local institutions that provide education and job training to prepare local residents to fill the jobs local industries create.

AQ-4.4 Encourage a mix of housing types that are affordable to all segments of the population and are near job opportunities to further reduce vehicle trips.

Goal AQ-5 Air quality is improved through an efficient circulation system, reduced traffic congestion, and reduced vehicle miles traveled.

Policies

AQ-5.1 Encourage employers to implement transportation demand management (TDM) measures, such as the following programs to reduce trips and vehicle miles traveled:

- Transit subsidies
- Bicycle facilities
- Alternative work schedules
- Ridesharing
- Telecommuting and work-at-home programs
- Employee education
- Preferential parking for carpools/vanpools

AQ-5.2 Re-designate truck routes away from sensitive land uses including schools, hospitals, elder and childcare facilities, or residences, where feasible.

AQ-5.3 Promote use of fuel-efficient and low-emissions vehicles, including Neighborhood Electric Vehicles.

AQ-5.4 Encourage the use of lowest emission technology buses in public transit fleets.

AQ-5.5 Provide a preference to contractors using reduced emission equipment for City construction projects as well as for City contracts for services (e.g., garbage collection).

AQ-5.6 Manage the municipal vehicle fleet to achieve the highest possible number of fuel-efficient and low emissions vehicles commercially available.

AQ-5.7 Reduce industrial truck idling by enforcing California's five (5) minute maximum law, requiring warehouse and distribution facilities to provide adequate on site truck parking, and requiring refrigerated warehouses to provide generators for refrigerated trucks.

Goal AQ-6 Stationary source pollution (point source and area source) are minimized through existing and future regulations and new technology.

Policies

AQ-6.1 The City shall continue to minimize stationary source pollution through the following:

- Ensure that industrial and commercial land uses are meeting existing South Coast Air Quality Management District (SCAQMD) air quality thresholds by adhering to established rules and regulations.
- Encourage the use of new technology to neutralize harmful criteria pollutants from stationary sources.
- Reduce exposure of the City's sensitive receptors to poor air quality nodes through smart land use decisions.

AQ-6.3 Encourage non-polluting industry and clean green technology companies to locate to the City.

AQ-6.4 Work with the industrial business community to improve outdoor air quality through improved operations and practices.

AQ-6.5 New multi-family residential buildings and other sensitive land uses in areas with high levels of localized air pollution should be designed to achieve good indoor air quality through landscaping, ventilation systems, or other measures.

AQ-6.6 Encourage green building techniques that improve indoor air quality, energy efficiency and conservation in buildings, and utilization of renewable energy sources.

AQ-6.7 During the design review process, encourage the use of measures to reduce indoor air quality impacts (i.e., air filtration systems, kitchen range top exhaust fans, and low-VOC paint and carpet) for new developments near busy roadways with significant volumes of heavy truck traffic.

Goal AQ-7 Particulate matter and fugitive dust emissions are reduced throughout the City.

Policies

AQ-7.1 Adopt incentives, regulations, or procedures to reduce particulate matter.

AQ-7.3 Cooperate with local, regional, State, and Federal jurisdictions and/or agencies to better control fugitive dust from stationary, mobile, and area sources.

Goal LU-8 A community that provides opportunities for mixed use and/or transit-oriented development.

Policies

LU-8.1 Encourage integrated development that incorporates a mix of uses (residential, commercial, office) in mixed use or transit-oriented development areas.

LU-8.2 Encourage workplace development in close proximity to residences in mixed use or transit-oriented development areas.

CIRCULATION ELEMENT

Goal CIR-1 A circulation system that serves the internal circulation needs of the City, while also addressing the inter-community or through travel needs.

Policies

CIR-1.4 Continue to improve signal coordination and advanced traffic management systems at major intersections and along roadway corridors in order to optimize traffic flow through the City and reduce traffic queuing.

Goal CIR-5 A supported regional transportation system that serves existing and future travel between Murrieta and other population and employment centers within southwest Riverside County and the larger region, and that accommodates the regional travel needs of developing areas outside the City.

Policies

CIR-5.9 Coordinate with Western Riverside Council of Governments, Riverside County, and Riverside County Transportation Commission to identify, protect, and pursue opportunities for public transit along major transportation corridors, and future high speed rail service, which connect Murrieta to other population centers.

CIR-5.10 Support the siting and development of a Metrolink Station(s) within Murrieta along the I-15 and/or I-215 corridors.

CIR-5.11 Coordinate with California High Speed Rail Authority, Riverside Transit Authority, and City of Temecula on the siting and development of a California High Speed Rail Intermodal Transit Center.

CIR-5.12 Continue to work with public transportation agencies to provide adequate levels of service to Murrieta citizens.

Goal CIR-6 Alternative travel modes and facilities are available to serve residents and employers/employees and reduce vehicle miles traveled.

Policies

CIR-6.1 Encourage alternatives to single-occupancy vehicle transportation such as public transit, paratransit, walking, cycling, and ridesharing.

CIR-6.2 Support a variety of transit vehicle types and technologies to serve different transportation needs.

CIR-6.3 Work with the Riverside Transit Agency, Murrieta Chamber of Commerce, and/or the City's Economic Development Department to conduct a travel/commute survey with the intent of creating vanpools, carpools, and employment center shuttles to reduce single occupant vehicles.

CIR-6.4 Seek opportunities to redirect money that goes to automobile travel to support alternative forms of transportation.

CIR-6.5 Support the dedication and/or construction of appropriate facilities in support of a public transportation system.

CIR-6.6 Identify opportunities to implement the Western Riverside County Non-Motorized Transportation Plan within key activity centers of the City through the development of non-motorized transportation corridors and facilities (i.e., neighborhood electric vehicle routes, bikeways, pedestrian paths, sidewalks/paths).

CIR-6.7 Coordinate with the Riverside Transit Agency to provide fixed route transit service along transportation corridors connecting to employment and commercial areas, schools, health care facilities, and major recreation areas.

CIR-6.8 Support the construction of bus turnouts with shelters adjacent to new developments where transit demand levels may be sufficient in the future to

warrant such accommodations to maintain traffic flow and provide safe loading/unloading for bus passengers.

CIR-6.9 Work with the Riverside Transit Agency to evaluate bus stops locations and amenities. Encourage the incorporation of transit amenities such as bus shelters and benches into existing and new bus stop locations.

CIR-6.10 Provide for express transit service through implementation of park-and-ride facilities along regional transportation corridors.

CIR-6.11 Encourage employer-based incentive programs for use of public transit and improve awareness of such programs.

CIR-6.12 Increase public education about public transit options.

LAND USE ELEMENT

Goal LU-8 A community that provides opportunities for mixed use and/or transit-oriented development.

Policies

LU-8.1 Encourage integrated development that incorporates a mix of uses (residential, commercial, office) in mixed use or transit-oriented development areas.

LU-8.2 Encourage workplace development in close proximity to residences in mixed use or transit-oriented development areas.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are available.

Level of Significance After Mitigation: Significant Unavoidable Impact.

ODOR IMPACTS

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN AN OVERALL INCREASE IN ODORS WITHIN THE CITY.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Potential operational airborne odors could be created by cooking activities associated with the residential and commercial (i.e., food service) uses within the City. These

odors would be similar to existing residential and food service uses throughout the City and would be confined to the immediate vicinity of the new buildings. Restaurants are also typically required to provide ventilation systems that avoid substantial adverse odor impacts. The other potential source of odors would be new waste receptacles within the community. The receptacles would be stored in areas and in containers, as required by City and Riverside County Health Department regulations, and be emptied on a regular basis, before potentially substantial odors have developed. The proposed General Plan 2035 accommodates the development of residential, commercial, industrial, office, business park, civic/institutional, and park uses. These uses are not identified by the SCAQMD as significant odor generators. Additionally, the policies included as part of the proposed General Plan 2035 (described above) would reduce mobile and stationary source emissions and odors associated with diesel fuel by focusing on land use patterns that improve air quality, reduce air pollution from stationary sources, and encourage/enable transit behavior. Consequently, implementation of the proposed General Plan 2035 would not create operational-related objectionable odors affecting a substantial number of people within the City. Impacts would be less than significant in this regard.

Goals and Policies in the Proposed General Plan 2035:

AIR QUALITY ELEMENT

Goal AQ-2 The relationship between land use and air quality in order to protect public health and improve air quality is considered in policy decisions.

Policies

AQ-2.1 Locate sensitive receptors (i.e. residences, schools, playgrounds, childcare centers, athletic facilities, churches, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes) away from significant pollution sources to the maximum extent feasible.

AQ-2.2 Avoid locating new homes, schools, childcare and elder care facilities, and health care facilities within 500 feet of freeways.

AQ-2.3 Consider air quality impacts from both existing and new development when making siting decisions.

AQ-2.4 Consult the California Air Resources Board's (CARB) Land Use and Air Quality Handbook and current environmental health research for the safe distances to sensitive land uses including schools, hospitals, elder and childcare facilities, or residences when new or expanded industrial land uses or other stationary sources of pollution are proposed, such as gas stations or auto body shops.

AQ-2.5 Work with developers and/or builders of the any sensitive land uses, such as hospitals, to determine compliance with California Air Resources Board (CARB)

standards and to ensure any future plans or expansions are in compliance, and encourage retrofits to the facility such as plantings or air filters to improve indoor air quality, if necessary.

Goal AQ-6 Stationary source pollution (point source and area source) are minimized through existing and future regulations and new technology.

Policies

AQ-6.1 The City shall continue to minimize stationary source pollution through the following:

- Ensure that industrial and commercial land uses are meeting existing South Coast Air Quality Management District (SCAQMD) air quality thresholds by adhering to established rules and regulations.
- Encourage the use of new technology to neutralize harmful criteria pollutants from stationary sources.
- Reduce exposure of the City's sensitive receptors to poor air quality nodes through smart land use decisions.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

CARBON MONOXIDE HOTSPOTS

■ IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN AN OVERALL INCREASE IN CARBON MONOXIDE HOTSPOT EMISSIONS WITHIN THE CITY, WHICH COULD EXCEED SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT AIR QUALITY STANDARDS.

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Carbon monoxide (CO) emissions are a function of vehicle idling time, meteorological conditions and traffic flow. Under certain extreme meteorological conditions, CO concentrations near a congested roadway or intersection may reach unhealthy levels (i.e., adversely affect residents, school children, hospital patients, the elderly, etc.). To identify CO hotspots, the SCAQMD requires a CO microscale hotspot analysis when a project increases the volume-to-capacity ratio (also called the intersection capacity utilization) by 0.02 (two percent) for any intersection with an existing level of service (LOS) D or worse. Because traffic congestion is highest at intersections where vehicles queue and are subject to reduced speeds,

these hot spots are typically produced at intersection locations. However, projected intersection capacity/queuing analyses are unknown, as no specific development proposals have yet been formulated.

The City is located in the South Coast Air Basin (Basin), which is designated as an attainment area for State and Federal CO standards. There has been a decline in CO emissions even though VMT on U.S. urban and rural roads have increased. On-road mobile source CO emissions have declined 24 percent between 1989 and 1998, despite a 23 percent rise in motor vehicle miles traveled over the same 10 years. California trends have been consistent with national trends; CO emissions declined 20 percent in California from 1985 through 1997, while VMT increased 18 percent in the 1990s. Three major control programs have contributed to the reduced per-vehicle CO emissions: exhaust standards, cleaner burning fuels, and motor vehicle inspection/maintenance programs.

A detailed CO analysis was conducted in the Federal Attainment Plan for Carbon Monoxide (CO Plan) for the SCAQMD's 2003 Air Quality Management Plan. The locations selected for microscale modeling in the CO Plan are worst-case intersections in the Basin, and would likely experience the highest CO concentrations. Of these locations, the Wilshire Boulevard/Veteran Avenue intersection experienced the highest CO concentration (4.6 ppm), which is well below the 35-ppm 1-hr CO Federal standard. The Wilshire Boulevard/Veteran Avenue intersection is one of the most congested intersections in Southern California with an average daily traffic (ADT) volume of approximately 100,000 vehicles per day. As the CO hotspots were not experienced at the Wilshire Boulevard/Veteran Avenue intersection, it can be reasonably inferred that CO hotspots would not be experienced at any locations within the City due to the volume of traffic that would occur as a result of future development associated with implementation of the proposed General Plan 2035. Additionally, proposed General Plan 2035 Circulation Element Policies CIR-1.2, CIR-1.4, CIR-1.6, and CIR-1.8 would ensure intersections would be of adequate Level of Service and would optimize traffic flow through the City and reduce traffic queuing. Therefore, impacts would be less than significant in this regard.

Goals and Policies in the Proposed General Plan 2035:

CIRCULATION ELEMENT

Goal CIR-1 A circulation system that serves the internal circulation needs of the City, while also addressing the inter-community or through travel needs.

Policies

CIR-1.2 Maintain a Level of Service "D" or better at all intersections during peak hours. Maintain a Level of Service "E" or better at freeway interchanges during peak hours.

CIR-1.4 Continue to improve signal coordination and advanced traffic management systems at major intersections and along roadway corridors in order to optimize traffic flow through the City and reduce traffic queuing.

CIR-1.6 Coordinate with Caltrans to implement necessary improvements at intersections where the agencies have joint jurisdiction.

CIR-1.8 Identify and evaluate the major intersections requiring special design treatment to increase their vehicular capacity.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

CONSISTENCY WITH REGIONAL PLANS

- **THE PROPOSED GENERAL PLAN 2035 MAY CONFLICT WITH OR HINDER IMPLEMENTATION OF THE SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENT'S REGIONAL COMPREHENSIVE PLAN GUIDELINES AND THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT'S AIR QUALITY MANAGEMENT PLAN.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: According to the *CEQA Air Quality Handbook*, in order to determine consistency with the 2007 South Coast Air Quality Management District (SCAQMD) Air Quality Management Plan (2007 AQMP) two main criteria must be addressed.

Criterion 1

With respect to the first criterion, SCAQMD methodologies require that an air quality analysis for a project include forecasts of project emissions in relation to contributing to air quality violations and delay of attainment. All future development projects would be required to comply with existing SCAQMD regulations and permitting requirements. Compliance with regulations and permit requirements would ensure that new uses reduce emissions to the maximum extent feasible. Additionally, based on the short-term construction and long-term operations impact analyses above, the goals and policies in the proposed General Plan 2035 would reduce the significance of air quality impacts.

The proposed General Plan 2035 includes provisions for improved local and regional transit services as well as a connected, balanced, and integrated transportation system of bicycle and

pedestrian networks. However, the program-level analysis of emissions associated with the future development in the City associated with implementation of the proposed General Plan 2035 would exceed SCAQMD thresholds. It is noted that the SCAQMD thresholds are intended to evaluate the air quality impacts from individual development projects, and do not apply to plan-level projects such as the proposed General Plan 2035. Additionally, the proposed General Plan 2035 includes goals and policies within the Air Quality Element that would reduce air quality impacts of future developments within the City. Development projects occurring under the proposed General Plan 2035 would be required to comply with General Plan 2035 goals and policies and SCAQMD regulations, and would incorporate mitigation measures, as feasible, to reduce air quality impacts.

Criterion 2

With respect to the second criterion for determining consistency with SCAQMD and SCAG air quality policies, it is important to recognize that air quality planning within the Basin focuses on attainment of ambient air quality standards at the earliest feasible date. Projections for achieving air quality goals are based on assumptions regarding population, housing, and growth trends. Thus, the SCAQMD's second criterion for determining project consistency focuses on whether the proposed project exceeds the assumptions utilized in preparing the forecasts presented in the 2007 AQMP. Determining whether a project exceeds the assumptions reflected in the 2007 AQMP involves the evaluation of whether the project is consistent with its growth projections and land use planning strategies.

The 2007 AQMP was prepared to accommodate growth, to reduce the high levels of pollutants within the areas under the jurisdiction of SCAQMD, to return clean air to the region, and to minimize the impact on the economy. Projects that are considered consistent with the 2007 AQMP would not interfere with attainment, because this growth is included in the projections utilized in the formulation of the 2007 AQMP. Therefore, projects, uses, and activities that are consistent with the applicable assumptions used in the development of the 2007 AQMP would not jeopardize attainment of the identified air quality levels, even if they exceed the SCAQMD's recommended daily emissions thresholds. As the proposed project includes the update of the existing General Plan upon which the 2007 AQMP was based upon, the Focus Area land use changes would result in an inconsistency between the proposed General Plan 2035 and the 2007 AQMP assumptions. However, the focus of the proposed General Plan 2035 is economic development and an increased jobs/housing balance. The City plans to attract new job-generating businesses that would allow Murrieta residents to live and work in the same community. Therefore, the amount of VMT would be substantially reduced, which correlates directly to a reduction in transportation emissions (largest emissions category). Further, the City has prepared a Climate Action Plan (CAP) as part of the proposed General Plan 2035. The CAP includes several strategies and measures aimed at reducing VMT and energy consumption. These measures would reduce both greenhouse gas (GHG) emissions and criteria air pollutants within the City and throughout the Basin. Although the proposed General Plan 2035 is inconsistent with the assumptions of the 2007 AQMP, impacts are considered to be less than significant, as emissions are anticipated to be less than those assumed in the 2007 AQMP. It is

noted that the next AQMP will account for updated growth forecasts contained within the proposed General Plan 2035. The SCAQMD updates the AQMP every few years; although at this time it is unknown when the next update will occur.

Projects that are consistent with the population and employment forecasts identified in the Growth Management Chapter of SCAG's Regional Comprehensive Plan and Guide (RCPG) are considered consistent with the 2007 AQMP, since the Growth Management Chapter forms the basis of the land use and transportation control portions of the 2007 AQMP. Additionally, consistency with other SCAG regional planning documents would be required, including the Regional Transportation Plan (RTP), and SCAG's Compass Growth Visioning Regional Growth Principles. Section 5.1, Land Use evaluates the proposed General Plan 2035's consistency with these regional plans. The proposed General Plan 2035 includes relevant goals and policies that reflect and respond to SCAG's regional goals. Section 5.1 concludes that the proposed General Plan 2035 is consistent with the goals of the RTP. The proposed General Plan 2035 includes several goals and policies within the Circulation, Land Use, Air Quality, Conservation, and Safety Elements pertaining to regional mobility, reduced vehicle trips, energy efficiency, smart land use patterns, and emergency management, which are consistent with SCAG's RTP goals and Compass Growth Visioning Regional Growth Principles. Additionally, the Housing Element identifies goals, policies, and programs to provide housing consistent with the Regional Housing Needs Assessment (RHNA), which includes a variety of housing types to meet the housing needs of all income levels. Therefore, the proposed General Plan 2035 would be consistent with regional goals and principles and impacts in this regard are less than significant.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.5.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.5.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **REGIONAL AIR QUALITY EMISSIONS RESULTING FROM OPERATIONAL BUILDOUT OF THE PROPOSED GENERAL PLAN 2035 COULD IMPACT REGIONAL AIR QUALITY LEVELS ON A CUMULATIVELY CONSIDERABLE BASIS.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: The geographic context for air quality impacts for the City of Murrieta is SRA 26 (Temecula Valley) of the Basin. The analysis accounts for all anticipated cumulative growth within this geographic area. However, the significance of cumulative air quality impacts is typically determined according to the project methodology employed by the SCAQMD, as the regional body with authority in this area, which has taken regional growth projections into consideration.

Construction

SCAQMD thresholds for criteria pollutants are established for individual development projects, and it is assumed that some of the projects that would be implemented under the proposed General Plan 2035 could individually exceed the SCAQMD thresholds. Based on the programmatic-level construction analysis above, construction-related emissions associated with future development projects in the City, Sphere of Influence, and surrounding cities may be "cumulatively considerable," even with implementation of the proposed General Plan 2035 goals and policies. Construction of future development projects under the proposed General Plan 2035 would be required to comply with the applicable SCAQMD rules and regulations. These measures call for the maintenance of construction equipment, the use of non-polluting and non-toxic building equipment, and minimizing fugitive dust. This cumulative impact is considered to be significant unavoidable.

Regional Air Quality Impacts

With regard to daily operational emissions and the cumulative net increase of any criteria pollutant for which the region is nonattainment, this is considered to be a potentially significant cumulative impact, due to nonattainment of O_3 and PM_{10}, and $PM_{2.5}$ standards in the Basin. An emissions inventory for the City in year 2035 was presented in *Table 5.5-6*. This inventory includes the existing emissions within the City as well as emissions associated with the anticipated future development. As a result, *Table 5.5-6* represents the cumulative condition within the City for 2035. With regard to the contribution of the proposed General Plan 2035, the SCAQMD has recommended methods to determine the cumulative significance of new land use projects. The SCAQMD's methods are based on performance standards and emission reduction targets necessary to attain Federal and State air quality standards as predicted in the 2007 AQMP. As previously discussed, the contribution of daily operational emissions from the growth associated with implementation of the proposed General Plan 2035 could be cumulatively considerable. This cumulative impact is considered to be significant unavoidable.

Localized Air Quality

Cumulative development is not expected to expose sensitive receptors to substantial pollutant concentrations. Thus, this is considered to be a less than significant cumulative impact. Future ambient CO concentrations resulting from the proposed General Plan 2035 would be substantially below National and State standards. These future predictions consider cumulative

development that would occur in SRA 26 (Temecula Valley). Therefore, the project's contribution to the impact is considered less than cumulatively considerable, and the cumulative impact would be less than significant.

Odor Impacts

Cumulative development would not have a potentially significant impact in terms of the creation of objectionable odors affecting a substantial number of people. Thus, this is considered to be a less than significant cumulative impact. Development anticipated within the City of Murrieta would include residential and commercial uses, and could include restaurants. Odors resulting from the construction of projects that would occur with implementation of the proposed General Plan 2035 are not likely to affect a substantial number of people, since construction activities occur in a limited area and do not usually emit odors that are considered offensive. Other odor impacts resulting from these projects are also not expected to affect a substantial amount of people, as solid waste from these projects would be stored in areas and in containers as required by City regulations (*Municipal Code* Chapter 8.28 and Section 16.18.150), and restaurants are typically required to have ventilation systems that avoid substantial adverse odor impacts. Cumulative odor impacts would thus be less than significant.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.5.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are available.

Level of Significance After Mitigation: Significant Unavoidable for construction and regional air quality impacts. Less Than Significant for localized air quality and cumulative odor impacts.

5.5.6 SIGNIFICANT UNAVOIDABLE IMPACTS

The proposed General Plan 2035 would result in a significant unavoidable impact for the following areas:

- ***Short-Term Construction Emissions.*** As project-related emissions (associated with future development and infrastructure projects facilitated by the project) are anticipated to exceed SCAQMD thresholds, construction-related emissions are considered significant unavoidable.

- ***Long-Term Mobile and Stationary Source Emissions.*** During the operational phase, potential development within the project area would result in a net increase in regional criteria pollutants from the operation of both stationary and mobile sources. CEQA

review of individual development projects would include an evaluation to determine whether potential air pollutant emissions generated from growth could result in a significant impact to air quality. The significance level of these impacts would be determined during review and appropriate mitigation measures would be developed. However, due to the magnitude of development and associated mobile and stationary source air quality impacts, impacts in this regard would be significant unavoidable.

- ***Cumulative Short-Term Construction and Long-Term Mobile and Stationary Source Emissions Impacts.*** Construction of future potential development projects in the City, Sphere of Influence, and surrounding cities may be "cumulatively considerable," even with implementation of the proposed General Plan 2035 goals and policies. Emissions from operations of future development associated with implementation of the proposed General Plan 2035 would potentially exceed the SCAQMD thresholds for criteria pollutants, resulting in a significant impact. In accordance with SCAQMD methodology, any project that cannot be mitigated to a level of less than significant is also significant on a cumulative basis.

All other air quality impacts associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goals and policies in the proposed General Plan 2035.

If the City of Murrieta approves the proposed General Plan 2035, the City shall be required to cite their findings in accordance with *CEQA Guidelines* Section 15091 and prepare a Statement of Overriding Considerations in accordance with *CEQA Guidelines* Section 15093.

5.6.7 SOURCES CITED

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the future of southern california
Murrieta
General Plan Update

Section 5.6:
Greenhouse Gas Emissions

5.6 GREENHOUSE GAS EMISSIONS

This section presents a discussion of existing climate conditions, the current state of climate change science, and greenhouse gas (GHG) emissions sources in California and in the City of Murrieta, as well as a summary of applicable regulations and a description of potential impacts of the proposed General Plan 2035 related to climate change. Refer to Appendix P, Climate Action Plan, for the assumptions used in this analysis.

5.6.1 REGULATORY SETTING

FEDERAL

The Federal Clean Air Act (FCAA) requires the U.S. Environmental Protection Agency (U.S. EPA) to define national ambient air quality standards (national standards) to protect public health and welfare in the United States. The FCAA does not specifically regulate GHG emissions; however, on April 2, 2007 the U.S. Supreme Court in *Massachusetts v. U.S. Environmental Protection Agency*, determined that GHGs are pollutants that can be regulated under the FCAA. The U.S. EPA adopted an endangerment finding and cause or contribute finding for GHGs on December 7, 2009. Under the endangerment finding, the Administrator found that the current and projected atmospheric concentrations of the six, key, well-mixed GHGs (CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6) threaten the public health and welfare of current and future generations. Under the cause of contribute finding, the Administrator found that the combined emissions of these well-mixed GHGs from new motor vehicles and new motor vehicle engines contribute to the GHG pollution which threatens public health and welfare.

Based on these findings, on April 1, 2010, the U.S. EPA finalized the light-duty vehicle rule controlling GHG emissions. This rule confirmed that January 2, 2011, is the date that a 2012 model year vehicles become subject to these rule requirements in order to be sold in the United States. On May 13, 2010, the U.S. EPA issued the final GHG Tailoring Rule. This rule set thresholds for GHG emissions that define when permits are required for new and existing industrial facilities under the Prevention of Significant Deterioration and Title V Operating Permit programs. Implementation of the Federal rules is expected to reduce the level of emissions from new motor vehicles and large stationary sources.

STATE

Various statewide and local initiatives to reduce California's contribution to GHG emissions have raised awareness that, even though the various contributors to and consequences of global climate change are not yet fully understood, global climate change is occurring, and that there is

a real potential for severe adverse environmental, social, and economic effects in the long term. Every nation emits GHGs and as a result makes an incremental cumulative contribution to global climate change; therefore, global cooperation will be required to reduce the rate of GHG emissions enough to slow or stop the human-caused increase in average global temperatures and associated changes in climatic conditions.

Assembly Bill 1493. AB 1493 (also known as the Pavley Bill) requires that CARB develop and adopt, by January 1, 2005, regulations that achieve "the maximum feasible reduction of GHG emitted by passenger vehicles and light-duty trucks and other vehicles determined by CARB to be vehicles whose primary use is noncommercial personal transportation in the State."

To meet the requirements of AB 1493, CARB approved amendments to the *California Code of Regulations* (*CCR*) in 2004 by adding GHG emissions standards to California's existing standards for motor vehicle emissions. Amendments to *CCR* Title 13, Sections 1900 and 1961 and adoption of *13 CCR* Section 1961.1 require automobile manufacturers to meet fleet-average GHG emissions limits for all passenger cars, light-duty trucks within various weight criteria, and medium-duty weight classes for passenger vehicles (i.e., any medium-duty vehicle with a gross vehicle weight rating less than 10,000 pounds that is designed primarily to transport people), beginning with the 2009 model year. Emissions limits are reduced further in each model year through 2016. When fully phased in, the near-term standards will result in a reduction of about 22 percent in GHG emissions compared to the emissions from the 2002 fleet, while the mid-term standards will result in a reduction of about 30 percent.

Executive Order S-20-04 (green building initiative). Executive Order S-20-04, the California Green Building Initiative, (signed into law on December 14, 2004), establishes a goal of reducing energy use in State-owned buildings by 20 percent from a 2003 baseline by 2015. It also encourages the private commercial sector to set the same goal. The initiative places the California Energy Commission (CEC) in charge of developing a building efficiency benchmarking system, commissioning and retro-commissioning (commissioning for existing commercial buildings) guidelines, and developing and refining building energy efficiency standards under Title 24 to meet this goal.

Executive Order S-3-05 (target dates for emissions reductions). Executive Order S-3-05 set forth a series of target dates by which statewide emissions of GHGs would be progressively reduced, as follows:

- By 2010, reduce GHG emissions to 2000 levels;
- By 2020, reduce GHG emissions to 1990 levels; and
- By 2050, reduce GHG emissions to 80 percent below 1990 levels.

The Executive Order directed the secretary of the California Environmental Protection Agency (Cal/EPA) to coordinate a multi-agency effort to reduce GHG emissions to the target levels. The secretary will also submit biannual reports to the governor and California Legislature describing the progress made toward the emissions targets, the impacts of global climate change on

California's resources, and mitigation and adaptation plans to combat these impacts. To comply with the executive order, the secretary of Cal/EPA created the California Climate Action Team (CAT), made up of members from various State agencies and commissions. The team released its first report in March 2006. The report proposed to achieve the targets by building on the voluntary actions of California businesses, local governments, and communities and through State incentive and regulatory programs.

Assembly Bill 32 (California Global Warming Solutions Act of 2006). California passed the California Global Warming Solutions Act of 2006 (AB 32; *California Health and Safety Code* Division 25.5, Sections 38500 - 38599). AB 32 establishes regulatory, reporting, and market mechanisms to achieve quantifiable reductions in GHG emissions and establishes a cap on statewide GHG emissions. AB 32 requires that statewide GHG emissions be reduced to 1990 levels by 2020. AB 32 specifies that regulations adopted in response to AB 1493 should be used to address GHG emissions from vehicles. However, AB 32 also includes language stating that if the AB 1493 regulations cannot be implemented, then CARB should develop new regulations to control vehicle GHG emissions under the authorization of AB 32.

Senate Bill 1368. SB 1368 (Chapter 598, Statutes of 2006) is the companion bill of AB 32 and was signed into law in September 2006. SB 1368 required the California Public Utilities Commission (CPUC) to establish a performance standard for baseload generation of GHG emissions by investor-owned utilities by February 1, 2007. SB 1368 also required the CEC to establish a similar standard for local publicly owned utilities by June 30, 2007. These standards could not exceed the GHG emissions rate from a baseload combined-cycle, natural gas–fired plant. Furthermore, the legislation states that all electricity provided to California, including imported electricity, must be generated by plants that meet the standards set by CPUC and CEC.

Executive Order S-1-07 (fuel sales). Executive Order S-1-07 proclaims that the transportation sector is the main source of GHG emissions in California, generating more than 40 percent of statewide emissions. It establishes a goal to reduce the carbon intensity of transportation fuels sold in California by at least ten percent by 2020. This order also directs the California Air Resources Board (CARB) to determine whether this Low Carbon Fuel Standard (LCFS) could be adopted as a discrete early-action measure as part of the effort to meet the mandates in AB 32.

Senate Bill 97. SB 97, signed in August 2007 (Chapter 185, Statutes of 2007; PRC Sections 21083.05 and 21097), acknowledges that climate change is a prominent environmental issue that requires analysis under CEQA. This bill directs the Governor's Office of Planning and Research (OPR), which is part of the State Natural Resources Agency, to prepare, develop, and transmit to CARB guidelines for the feasible mitigation of GHG emissions (or the effects of GHG emissions), as required by CEQA.

OPR published a technical advisory recommending that CEQA lead agencies make a good-faith effort to estimate the quantity of GHG emissions that would be generated by a proposed project. Specifically, based on available information, CEQA lead agencies should estimate the emissions associated with project-related vehicular traffic, energy consumption, water usage, and

construction activities to determine whether project-level or cumulative impacts could occur, and should mitigate the impacts where feasible. OPR requested CARB technical staff to recommend a method for setting CEQA thresholds of significance as described in *CEQA Guidelines* Section 15064.7 that will encourage consistency and uniformity in the CEQA analysis of GHG emissions throughout the State.

The Natural Resources Agency adopted the CEQA Guidelines Amendments prepared by OPR, as directed by SB 97. On February 16, 2010, the Office of Administration Law approved the CEQA Guidelines Amendments, and filed them with the Secretary of State for inclusion in the California Code of Regulations. The CEQA Guidelines Amendments became effective on March 18, 2010.

Senate Bills 1078 and 107. SB 1078 (Chapter 516, Statutes of 2002) requires retail sellers of electricity, including investor-owned utilities and community choice aggregators, to provide at least 20 percent of their supply from renewable sources by 2017. SB 107 (Chapter 464, Statutes of 2006) changed the target date to 2010.

Executive Order S-14-08 (renewable energy standard). Executive Order S-14-08 expands the State's Renewable Energy Standard to 33 percent renewable power by 2020. Additionally, Executive Order S-21-09 (signed on September 15, 2009) directs CARB to adopt regulations requiring 33 percent of electricity sold in the State come from renewable energy by 2020. CARB adopted the "Renewable Electricity Standard" on September 23, 2010, which requires 33 percent renewable energy by 2020 for most publicly owned electricity retailers.

Senate Bill 375. SB 375, signed in September 2008 (Chapter 728, Statutes of 2008), aligns regional transportation planning efforts, regional GHG reduction targets, and land use and housing allocation. SB 375 requires Metropolitan Planning Organizations (MPOs) to adopt a sustainable communities strategy (SCS) or alternative planning strategy (APS) that will address land use allocation in that MPOs regional transportation plan. CARB, in consultation with MPOs, will provide each affected region with reduction targets for GHGs emitted by passenger cars and light trucks in the region for the years 2020 and 2035. These reduction targets will be updated every eight years but can be updated every four years if advancements in emissions technologies affect the reduction strategies to achieve the targets. CARB is also charged with reviewing each MPO's SCS or APS for consistency with its assigned targets. If MPOs do not meet the GHG reduction targets, transportation projects may not be eligible for funding programmed after January 1, 2012.

Assembly Bill 3018. AB 3018 established the Green Collar Jobs Council (GCJC) under the California Workforce Investment Board (CWIB). The GCJC will develop a comprehensive approach to address California's emerging workforce needs associated with the emerging green economy. This bill will ignite the development of job training programs in the clean and green technology sectors.

Executive Order S-13-08 (climate adaptation strategy). Executive Order S-13-08 seeks to enhance the State's management of climate impacts including sea level rise, increased temperatures, shifting precipitation, and extreme weather events by facilitating the development of State's first climate adaptation strategy. This will result in consistent guidance from experts on how to address climate change impacts in the State of California.

Executive Order S-21-09 (renewable energy portfolio standard). Executive Order S-21-09, 33 percent Renewable Energy for California, directs CARB to adopt regulations to increase California's Renewable Portfolio Standard (RPS) to 33 percent by 2020. This builds upon SB 1078 (2002) which established the California RPS program, requiring 20 percent renewable energy by 2017, and SB 107 (2006) which advanced the 20 percent deadline to 2010, a goal which was expanded to 33 percent by 2020 in the 2005 Energy Action Plan II.

CARB Scoping Plan

On December 11, 2008, CARB adopted its Scoping Plan, which functions as a roadmap to achieve GHG reductions in California required by AB 32 through subsequently enacted regulations. CARB's Scoping Plan contains the main strategies California will implement to reduce CO_2eq emissions by 174 million metric tons (MT), or approximately 30 percent, from the State's projected 2020 emissions level of 596 million MT CO_2eq[1] under a business as usual (BAU)[2] scenario. This is a reduction of 42 million MT CO_2eq, or almost ten percent, from 2002 to 2004 average emissions, but requires the reductions in the face of population and economic growth through 2020.

CARB's Scoping Plan calculates 2020 BAU emissions as the emissions that would be expected to occur in the absence of any GHG reduction measures. The 2020 BAU emissions estimate was derived by projecting emissions from a past baseline year using growth factors specific to each of the different economic sectors (e.g., transportation, electrical power, commercial and residential, industrial, etc.). CARB used three-year average emissions, by sector, for 2002 to 2004 to forecast emissions to 2020. At the time CARB's Scoping Plan process was initiated, 2004 was the most recent year for which actual data was available. The measures described in CARB's Scoping Plan are intended to reduce the projected 2020 BAU to 1990 levels, as required by AB 32.

[1] Carbon Dioxide Equivalent (CO_2eq) - A metric measure used to compare the emissions from various greenhouse gases based upon their global warming potential.

[2] "Business as Usual" refers to emissions that would be expected to occur in the absence of GHG reductions. See http://www.arb.ca.gov/cc/inventory/data/forecast.htm. Note that there is significant controversy as to what BAU means. In determining the GHG 2020 limit, CARB used the above as the "definition." It is broad enough to allow for design features to be counted as reductions.

Southern California Association of Governments

The Southern California Association of Governments (SCAG) is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties, and serves as a forum for regional issues relating to transportation, the economy, community development, and the environment. SCAG serves as the federally designated Metropolitan Planning Organization for the Southern California region and is the largest Metropolitan Planning Organization in the United States. With respect to air quality planning, SCAG has prepared the *Regional Comprehensive Plan: Helping Communities Achieve a Sustainable Future* for the region, which focuses on transportation and growth management and forms the basis for the land use and transportation control portions of the *2007 Air Quality Management Plan for the South Coast Air Basin*. SCAG is responsible under the Federal Clean Air Act for determining conformity of projects, plans, and programs with the South Coast Air Quality Management District (SCAQMD).

LOCAL

City of Murrieta

The City of Murrieta, as part of the proposed General Plan 2035, has prepared a Climate Action Plan (CAP). The purpose of the CAP is to address the main sources of emissions that contribute to global climate change. The CAP consists of the following:

- A city-wide existing GHG emissions inventory;
- Quantification of General Plan horizon year emissions;
- Development of measures aimed at reducing GHG emissions generated within the City;
- Development of thresholds of significance and a methodology for CEQA review of GHG and climate change impacts for subsequent projects within the City;
- A mechanism for monitoring and reporting of the GHG compliance program; and
- An implementation plan for future action.

As part of the CAP, the City has joined the International Council for local Environmental Initiatives (ICLEI)-Local Governments for Sustainability. ICLEI is an association of over 1,100 local governments from 67 countries who are committed to sustainable development. ICLEI provides technical consulting, training, and information services to build capacity, share knowledge, and support local governments in the implementation of sustainable development at the local level. Future GHG analyses for projects proposed in the City will be tiered off of the CAP.

5.6.2 ENVIRONMENTAL SETTING

The project site lies within the southern portion of the South Coast Air Basin (Basin). The Basin is a 6,600-square mile area bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The Basin includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, in addition to the San Gorgonio Pass area in Riverside County. The Basin's terrain and geographical location (i.e., a coastal plain with connecting broad valleys and low hills) determine its distinctive climate.

The general region lies in the semi-permanent high-pressure zone of the eastern Pacific. The climate is mild and tempered by cool sea breezes. The usually mild climatological pattern is interrupted infrequently by periods of extremely hot weather, winter storms, or Santa Ana winds. The extent and severity of the air pollution problem in the Basin is a function of the area's natural physical characteristics (weather and topography), as well as man-made influences (development patterns and lifestyle). Factors such as wind, sunlight, temperature, humidity, rainfall, and topography all affect the accumulation and/or dispersion of pollutants throughout the Basin.

GLOBAL CLIMATE CHANGE GASES

The natural process through which heat is retained in the troposphere is called the "greenhouse effect." The greenhouse effect traps heat in the troposphere through a three-fold process, summarized as follows: short wave radiation emitted by the Sun is absorbed by the Earth; the Earth emits a portion of this energy in the form of long wave radiation; and GHGs in the upper atmosphere absorb this long wave radiation and emit this long wave radiation into space and toward the Earth. This "trapping" of the long wave (thermal) radiation emitted back toward the Earth is the underlying process of the greenhouse effect.

The most abundant GHGs are water vapor and carbon dioxide. Many other trace gases have greater ability to absorb and re-radiate long wave radiation; however, these gases are not as plentiful. For this reason, and to gauge the potency of GHGs, scientists have established a Global Warming Potential for each GHG based on its ability to absorb and re-radiate long wave radiation. The Global Warming Potential (GWP)[3] of a gas is determined using carbon dioxide as the reference gas with a GWP of one (1).

[3] All Global Warming Potentials are given as 100 year GWP. Unless noted otherwise, all Global Warming Potentials were obtained from the Intergovernmental Panel on Climate Change. Climate Change (Intergovernmental Panel on Climate Change, *Climate Change, The Science of Climate Change – Contribution of Working Group I to the Second Assessment Report of the IPCC*, 1996).

GHGs normally associated with a proposed project include the following:

- ***Water Vapor (H_2O).*** Although water vapor has not received the scrutiny of other GHGs, it is the primary contributor to the greenhouse effect. Natural processes, such as evaporation from oceans and rivers, and transpiration from plants, contribute 90 percent and 10 percent of the water vapor in our atmosphere, respectively.

  The primary human related source of water vapor comes from fuel combustion in motor vehicles; however, this is not believed to contribute a significant amount (less than one percent) to atmospheric concentrations of water vapor. The IPCC has not determined a GWP for water vapor.

- ***Carbon Dioxide (CO_2).*** CO_2 is primarily generated by fossil fuel combustion in stationary and mobile sources. Due to the emergence of industrial facilities and mobile sources in the past 250 years, the concentration of CO_2 in the atmosphere has increased 36 percent.[4] CO_2 is the most widely emitted GHG and is the reference gas (GWP of 1) for determining GWPs for other GHGs.

- ***Methane (CH_4).*** CH_4 is emitted from biogenic sources, incomplete combustion in forest fires, landfills, manure management, and leaks in natural gas pipelines. In the United States, the top three sources of CH_4 are landfills, natural gas systems, and enteric fermentation. CH_4 is the primary component of natural gas, which is used for space and water heating, steam production, and power generation. The GWP of CH_4 is 21.

- ***Nitrous Oxide (N_2O).*** N_2O is produced by both natural and human related sources. Primary human related sources include agricultural soil management, animal manure management, sewage treatment, mobile and stationary combustion of fossil fuel, adipic acid production, and nitric acid production. The GWP of N_2O is 310.

- ***Hydrofluorocarbons (HFCs).*** HFCs are typically used as refrigerants for both stationary refrigeration and mobile air conditioning. The use of HFCs for cooling and foam blowing is growing, as the continued phase out of chlorofluorocarbons (CFCs) and hydrochlorofluorocarbons (HCFCs) gains momentum. The GWP of HFCs range from 140 for HFC-152a to 11,700 for HFC-23.[5]

- ***Perfluorocarbons (PFCs).*** PFCs are compounds consisting of carbon and fluorine. They are primarily created as a byproduct of aluminum production and semi conductor manufacturing. PFCs are potent GHGs with a GWP several thousand times that of CO_2, depending on the specific PFC. Another area of concern regarding

[4] U.S. Environmental Protection Agency, *Inventory of United States Greenhouse Gas Emissions and Sinks 1990 to 2008*, April 2010.

[5] U.S. Environmental Protection Agency, *High GWP Gases and Climate Change*, June 22, 2010.

PFCs is their long atmospheric lifetime (up to 50,000 years).[6] The GWP of PFCs range from 6,500 to 9,200.

- ***Sulfur hexafluoride (SF_6).*** SF_6 is a colorless, odorless, nontoxic, nonflammable gas. It is most commonly used as an electrical insulator in high voltage equipment that transmits and distributes electricity. SF_6 is the most potent GHG that has been evaluated by the Intergovernmental Panel on Climate Change with a GWP of 23,900. However, its global warming contribution is not as high as the GWP would indicate due to its low mixing ratio compared to carbon dioxide (4 parts per trillion [ppt] in 1990 versus 365 parts per million [ppm], respectively).[7]

In addition to the six major GHGs discussed above (excluding water vapor), many other compounds have the potential to contribute to the greenhouse effect. Some of these substances were previously identified as stratospheric O_3 depletors; therefore, their gradual phase out is currently in effect. The following is a listing of these compounds:

- ***Hydrochlorofluorocarbons (HCFCs).*** HCFCs are solvents, similar in use and chemical composition to CFCs. The main uses of HCFCs are for refrigerant products and air conditioning systems. As part of the Montreal Protocol, all developed countries that adhere to the Montreal Protocol are subject to a consumption cap and gradual phase out of HCFCs. The United States is scheduled to achieve a 100 percent reduction to the cap by 2030. The GWPs of HCFCs range from 93 for HCFC-123 to 2,000 for HCFC-142b.[8]

- ***1,1,1 trichloroethane.*** 1,1,1 trichloroethane or methyl chloroform is a solvent and degreasing agent commonly used by manufacturers. The GWP of methyl chloroform is 110 times that of CO_2.[9]

- ***Chlorofluorocarbons (CFCs).*** CFCs are used as refrigerants, cleaning solvents, and aerosols spray propellants. CFCs were also part of the U.S. EPA's Final Rule (57 FR 3374) for the phase out of O_3 depleting substances. Currently, CFCs have been replaced by HFCs in cooling systems and a variety of alternatives for cleaning solvents. Nevertheless, CFCs remain suspended in the atmosphere contributing to the greenhouse effect. CFCs are potent GHGs with GWPs ranging from 4,600 for CFC 11 to 14,000 for CFC 13.[10]

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6 Ibid.

7 Ibid.

8 U.S. Environmental Protection Agency, *Protection of Stratospheric Ozone: Listing of Global Warming Potential for Ozone Depleting Substances*, November 7, 2006.

9 Ibid.

10 U.S. Environmental Protection Agency, *Class I Ozone Depleting Substances*, March 7, 2006.

GHG EMISSIONS INVENTORY METHODOLOGY

An inventory of GHG emissions requires the collection of information from a variety of sectors and sources. Community emissions from electricity and natural gas are based on usage rates specific to each land use type and are calculated using emissions coefficients compiled by ICLEI. Transportation data, including vehicle miles traveled (VMT), are based on traffic data provided by Iteris. Solid waste data was based on generation factors as well as historic and projected generation data identified in Section 5.21, Solid Waste and the *California Department of Resources Recycling and Recovery* (CalRecycle). City staff were instrumental in providing data on municipal operations.

The inventory was compiled using ICLEI's Clean Air Climate Protection (CACP) software. The CACP software estimates emissions derived from energy consumption and waste generation within a community. Emissions are determined using specific factors (or coefficients) according to the type of fuel used. Emissions are aggregated and reported in terms of carbon dioxide equivalent units (CO_2eq). Converting all emissions to CO_2eq units allows for the consideration of different GHGs in comparable terms. For example, methane is 21 times more powerful than CO_2 in its capacity to trap heat, so the model converts one ton of methane emissions to 21 tons of CO_2eq. The emission coefficients and methodology employed by the software are consistent with national and international inventory standards established by the Intergovernmental Panel on Climate Change (1996 Revised IPCC Guidelines for the Preparation of National GHG Emissions Inventories), the U.S. Voluntary GHG Reporting Guidelines (EIA form1605), and, for emissions generated from solid waste, the U.S. EPA's Waste Reduction Model (WARM).

Compiled data were entered into the CACP software to create a community emissions inventory and a municipal emissions inventory. The community inventory represents all the energy used and waste produced within Murrieta and its contribution to GHG emissions. Municipal sources represent all City operated buildings and vehicles, and include government buildings, solid waste, and street lights. The municipal inventory is a subset of the community inventory, and includes emissions derived from internal government operations.

Separate emissions inventories for community and municipal operations are generally created, since the government is committed to action on climate change, and has a higher degree of control to achieve reductions in its own municipal emissions than those created by the community at large. Additionally, by proactively reducing emissions generated by its own activities, the City of Murrieta takes a visible leadership role in the effort to address climate change. This is important for inspiring local action in Murrieta, as well as for inspiring other communities.

When calculating the emissions inventory, all energy consumed in the City was included. As a result, even though the electricity used by Murrieta's residents is produced elsewhere, this energy and emissions associated with it appears in the City's inventory. The decision to calculate emissions in this manner reflects the general philosophy that a community should take full ownership of the impacts associated with its energy consumption, regardless of whether the

generation occurs within the geographical limits of the community. Additionally, the energy consumption is a result of activities that are within the City's regulatory authority.

GHG EMISSIONS SECTORS

CACP separates the GHG emissions inventory into community-wide and government-related emissions. Community-wide emissions represent the total GHG emissions originating from activity within each sector throughout the community. Government-related emissions, although separated in CACP, are considered a subset of the community-wide (i.e., total) GHG emissions. CACP calculates GHG emissions from energy consumption, transportation, and solid waste, which are further discussed below.

Energy Consumption

Energy-related emissions are from the consumption of both electricity and natural gas. These emissions are both direct (e.g., building energy consumption) and indirect (e.g., produced off-site from energy production and water consumption [including water treatment and delivery]). The emissions inventory used electricity and natural gas usage rates for residential, commercial, and industrial land uses for the year 2009 from the CEC California Grid Average. The energy consumption data separated private users from government-operated facilities (i.e., City owned).

In order to calculate GHG emissions from natural gas and electricity consumption, ICLEI obtained California-specific emission coefficients. For natural gas consumption, a 2009 emission coefficient (kilograms of CO_2 per million British thermal units [kg CO_2/MMBtu]) for natural gas delivery was used within CACP for both community-wide and government-related energy use. The specific natural gas emission coefficient used to calculate GHG emissions was verified by California Climate Action Registry (CCAR) and the CEC. Similar to natural gas consumption, a 2009 emission coefficient (pounds of CO_2 per kilowatt [lbs CO_2/kWh]) was used to calculate GHG emissions associated with electricity delivery, which is also verified by CCAR.

Transportation

Murrieta's transportation sector includes emissions generated from vehicle miles traveled (VMT). Iteris provided vehicle activity data (i.e., VMT) occurring on local roadways and freeway ramps within the City limits. The City provided vehicle and VMT data for the City vehicle fleet.

ICLEI used CARB's Emission Factors model (EMFAC2007) to obtain Riverside County-specific emission coefficients for vehicle fuel distribution, vehicle fuel efficiencies, and emission factors. Riverside County-specific emissions factors data was only used for community-wide transportation data. The City provided municipal vehicle fleet data with specific information regarding fuel and vehicle types. ICLEI also used EMFAC2007 assumptions to generate emission factors for the City vehicle fleet.

Solid Waste

Emissions from waste result primarily from organic waste occurring at landfills where the waste is disposed. Methane (CH_4) is the primary GHG from waste and the emissions result from chemical reactions and microbes acting upon the waste as the biodegradable materials break down. Solid waste generation and disposal data was obtained from CalRecycle (formerly the California Integrated Waste Management Board [CIWMB]). CACP provides GHG emission coefficients for various solid waste categories. These national default emission coefficients were used to calculate GHG emissions associated with solid waste disposal. The only alteration made to these emission coefficients was to set all waste category sequestration rates to zero in order to avoid the City taking credit for downstream emissions sequestration without also accounting for upstream emissions associated with production, transport, and consumption.

BASELINE GHG EMISSIONS INVENTORY

Community Sector

Table 5.6-1, *Baseline (Year 2009) Community-Wide GHG Emissions Inventory*, presents Murrieta's 2009 community-wide GHG emissions and the percent contribution of each emissions sector. As shown below, transportation-related activities account for the majority of the City's GHG emissions (approximately 48.3 percent). Approximately 23.5 percent of Murrieta's community-wide GHG emissions are attributed to residential uses. Commercial uses account for approximately 15.4 percent. Office, business park, civic/institutional, industrial, and waste disposal account for the remaining 12.6 percent of community-wide GHG emissions.

Table 5.6-1
Baseline (Year 2009) Community-Wide GHG Emissions Inventory

Community Sector	GHG Emissions	
	Total $MTCO_2eq$/year	CO_2eq (percent)
Residential	91,492	23.5
Commercial		
Commercial	60,153	15.4
Office	12,711	3.3
Business Park	8,332	2.1
Civic/Institutional	9,333	2.4
Industrial	3,463	0.9
Transportation	188,138	48.3
Waste	14,795	3.8
TOTAL[1]	**389,717**	**100**
GHG = greenhouse gas; $MTCO_2eq$/yr = metric tons of carbon dioxide equivalent per year		
Notes: 1. Totals may be slightly off due to rounding.		
Source: ICLEI, *Clean Air and Climate Protection 2009 Software Version 2.2.1b*, April 2010.		

Municipal Sector

Municipal emissions include energy use from City facilities such as water delivery facilities as well as government buildings, vehicle fleets, streetlights, and City employee commuting. Municipal sector emissions represent an opportunity for the City to demonstrate how to reduce GHG emissions. *Table 5.6-2*, *Baseline (Year 2009) Municipal Operations GHG Emissions Inventory*, presents government-related GHG emissions and the percent contribution of each emission sector. Approximately 58.2 percent of government-related GHG emissions are generated from water pumping, treatment, and delivery and wastewater treatment accounts for 14.8 percent. Electricity consumption of streetlights and traffic signals represent 18.6 percent. GHG emissions from employee commute total approximately 4.2 percent of government-related emissions, while buildings and facilities account for just 1.1 percent of annual GHG emissions.

Table 5.6-2
Baseline (Year 2009) Municipal Operations GHG Emissions Inventory

Municipal Sector	GHG Emissions	
	Total $MTCO_2eq$/year	CO_2eq (percent)
Buildings and Facilities	466	1.1
Streetlights & Traffic Signals	7,640	18.6
Water Delivery Facilities	23,941	58.2
Wastewater Facilities	6,091	14.8
Employee Commute	1,738	4.2
Vehicle Fleet	1,251	3.0
Total[1]	**41,125**	**100**

GHG = greenhouse gas; $MTCO_2eq$/yr = metric tons of carbon dioxide equivalent per year

Notes:
1. Totals may be slightly off due to rounding.

Source: ICLEI, *Clean Air and Climate Protection 2009 Software Version 2.2.1b*, April 2010.

Total Baseline GHG Emissions

Total Baseline GHG emissions include both the Community Sector and the Municipal Sector. As indicated in *Table 5.6-3*, *Total Baseline (Year 2009) GHG Emissions*, the Citywide GHG emissions are 430,842 MT CO_2eq per year. On a per capita basis, the annual emissions for each person in the City are 4.3 MT CO_2eq.

Table 5.6-3
Total Baseline (Year 2009) GHG Emissions

Sector	GHG Emissions	
	Total $MTCO_2eq$/year	CO_2eq (percent)
Community Sector	389,717	90.5
Municipal Sector	41,125	9.5
Total	**430,842**	**100**
GHG = greenhouse gas; $MTCO_2eq$/yr = metric tons of carbon dioxide equivalent per year		
Source: ICLEI, *Clean Air and Climate Protection 2009 Software Version 2.2.1b*, April 2010.		

5.6.3 SIGNIFICANCE THRESHOLD CRITERIA

At this time, there is no absolute consensus in the State of California among CEQA lead agencies regarding the analysis of global climate change and the selection of significance criteria. In fact, numerous organizations, both public and private, have released advisories and guidance with recommendations designed to assist decision-makers in the evaluation of GHG emissions given the current uncertainty regarding when emissions reach the point of significance. That being said, several options are available to lead agencies.

First, lead agencies may elect to rely on thresholds of significance recommended or adopted by State or regional agencies with expertise in the field of global climate change (see *CEQA Guidelines* Section 15064.7(c)). However, to date, neither CARB nor SCAQMD have adopted significance thresholds for GHG emissions for residential or commercial development under CEQA.[11] CARB has suspended all efforts to develop a threshold, and SCAQMD's threshold remains in draft form. Accordingly, this option (i.e., reliance on an adopted threshold) is not viable for the City of Murrieta.

Second, lead agencies may elect to conclude that the significance of GHG emissions under CEQA is too speculative. However, this option is not viable due to the important focus on global climate change created by the various regulatory schemes and scientific determinations cited in this section.

[11] Of note, in December 2009, the San Joaquin Valley Unified Air Pollution Control District adopted guidance for use by lead agencies in the valley, in assessing the significance of a project's GHG emissions under CEQA. The guidance relies on the use of performance-based standards, and requires that projects demonstrate a 29 percent reduction in GHG emissions, from business-as-usual, to determine that a project would have a less than significant impact. The guidance is for valley land use agencies and not applicable to areas outside the district. The Bay Area Air Quality Management District (BAAQMD) adopted its own GHG thresholds of significance on June 2, 2010. The threshold is based on quantitative standards including a per capita emission standard and project emission standard as well as a qualitative standard based on compliance with a qualified GHG reduction strategy. The BAAQMD thresholds are based on an analysis of local inventories of GHG emissions and local reduction programs; therefore, they would not be an appropriate basis for a GHG significance threshold in the City of Murrieta.

Third, lead agencies may elect to use a zero-based threshold, such that any emission of GHGs is significant and unavoidable. However, this type of threshold may indirectly truncate the analysis provided in CEQA documents and the mitigation commitments secured from new development, and could result in the preparation of extensive environmental documentation for even the smallest of projects, thereby inundating lead agencies and creating an administrative burden. Moreover, because the GHG analysis is a cumulative analysis, a zero based threshold would be inconsistent with *CEQA Guidelines* Section 15130(a)(3), which requires that cumulatively significant impacts, such as GHG emissions, be "cumulatively considerable", as defined by *CEQA Guidelines* Section 15065(a)(3).

Fourth, lead agencies may elect to utilize their own significance criteria, so long as such criteria are informed and supported by substantial evidence. Recent amendments to the *CEQA Guidelines*, and specifically the addition of *CEQA Guidelines* Section 15064.4, subdivision (b), support the selection of this significance criterion:

> *"A lead agency should consider the following factors, among others, when assessing the significance of impacts from greenhouse gas emissions on the environment:*
>
> *(1) The extent to which the project may increase or reduce greenhouse gas emissions as compared to the existing environmental setting;*
>
> *(2) Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project;*
>
> *(3) The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of greenhouse gas emissions. Such requirements must be adopted by the relevant public agency through a public review process and must reduce or mitigate the project's incremental contribution of greenhouse gas emissions. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable notwithstanding compliance with the adopted regulations or requirements, an EIR must be prepared for the project".*

Appendix G of the *CEQA Guidelines* also has been revised to provide some guidance regarding the criteria that may be used to assess whether a project's impacts on global climate change are significant. The Appendix G environmental checklist form asks whether a project would: (i) generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment; or (ii) conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs.

Based on the above factors (and particularly the adopted addition of *CEQA Guidelines* Section 15064.4, subdivisions (b)(2) and (b)(3)), it has been determined that it is appropriate for the City of Murrieta to rely on AB 32 implementation guidance (such as the CARB Scoping Plan) as a benchmark for purposes of this EIR and use the statute to inform the City's judgment as to whether the proposed project's GHG emissions would result in a significant impact (refer to *CEQA Guidelines* Section 15064, subdivision [f][1]). Accordingly, the following significance criterion is used to assess impacts:

Will the project's GHG emissions impede compliance with the GHG emissions reductions mandated in AB 32?

The City of Murrieta has prepared a CAP which recognizes the importance of reducing GHG emissions, and has identified a specific GHG emissions reductions target in compliance with the goals of AB 32. Clearly defined emissions reduction targets will provide City decision makers and the community with a clear direction for Murrieta's GHG emissions management efforts, and will provide milestones against which progress can be evaluated over time. This quantitative reduction target coupled with strategies and actions in this CAP would allow Murrieta to have greater control of the amount of GHGs emitted into the atmosphere.

Under AB 32, the State has committed to reducing GHG emissions to 1990 levels by 2020. Based on the CARB *Scoping Plan*, reducing GHG emissions to 1990 levels means cutting approximately 30 percent from BAU emission levels projected for 2020, or about 15 percent from today's levels.[12] The CARB *Scoping Plan* projects future emissions by comparing potential reductions from various measures to a BAU scenario. The BAU scenario represents future GHG emissions without the implementation of reduction measures. As a result, the CARB *Scoping Plan* outlines the State's strategy to achieve the 2020 GHG emissions limit with a comprehensive set of actions that will be developed by 2012.

Consistent with the CARB Scoping Plan, the City has chosen a reduction target of 15 percent below their current (2009 baseline) emissions levels by 2020. This reduction target will contribute to the stabilization of global GHG emission concentrations and achievement of AB 32 goals. Therefore, if the proposed General Plan 2035 can reduce its GHG emissions by 15 percent below 2009 levels by 2020, a less than significant impact would result.

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, greenhouse gas impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

[12] In the CARB Scoping Plan, "today's levels" are based on the statewide GHG inventory for 2005. However, cities and counties are encouraged to set a 15 percent GHG reduction target for both municipal operations and the community as a whole based on the most current GHG inventory conducted.

- Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.

- Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

Based on these standards the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.6.4 PROJECT IMPACTS AND MITIGATION MEASURES

GREENHOUSE GAS EMISSIONS

- **GREENHOUSE GAS EMISSIONS GENERATED BY DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD HAVE A SIGNIFICANT IMPACT ON THE ENVIRONMENT.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis:

Effects of Climate Change on the Project

In addition to analyzing a project's impacts on the environment, *CEQA* requires a lead agency to consider the effects of bringing development into an area that may present hazards.[13] The primary effect of global climate change has been a rise in average global tropospheric temperature of 0.2 degrees Celsius per decade, determined from meteorological measurements worldwide between 1990 and 2005.[14] While there is broad agreement on the causative role of GHGs to climate change, there is considerably less information or consensus on how climate change would affect any particular location, operation, or activity. The IPCC has published numerous reports on potential impacts of climate change on the human environment. These reports provide a comprehensive and up-to-date assessment of the current state of knowledge on climate change. Despite the extensive peer review of reports and literature on the impacts of

[13] *CEQA Guidelines* Section 15126.2[a] (*Consideration and Discussion of Significant Environmental Impacts*).

[14] Intergovernmental Panel on Climate Change, *Climate Change 2007: Synthesis Report. Contribution of Working Groups I, II and III to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*, 2007.

global climate change, the IPCC notes the fact that there is little consensus as to the ultimate impact of human interference with the climate system and its causal connection to global warming trends.

The following climate change effects could potentially affect the City of Murrieta.

- ***Sea Level Rise.*** According to the IPCC, climate change is expected to raise sea levels by up to four feet. The City is approximately 22 miles from the Pacific Ocean and ranges from approximately 1,050 feet above mean sea level (msl) to 1,700 feet above msl. Sea levels are anticipated to rise 12 to 18 inches by 2050.[15] Therefore, sea level rise of this magnitude would not be capable of inundating the City. However, if determined to be a significant threat, protective measures such as levees would likely be installed by regional and local governments to protect urbanized areas.
- ***Water Supply.*** The City receives some of its water supplies from the State Water Project through the Metropolitan Water District of Southern California (MWD). Surface water supplies in the City from the State Water Project could potentially be reduced as a result of climate change effects.[16] Climate change could also impact groundwater supplies. Warmer temperatures could lead to higher evaporation or shorter rainfall seasons, which would mean that soil deficits would persist for longer time periods. Higher evapotranspiration would likely reduce the amount of water available for recharge and can lead to greater pumping of groundwater to make up for losses in surface water. Groundwater serves as a source of water supply in Murrieta, which could result in serious implications for water supply in the City. However, potential impacts to groundwater are too speculative to determine at this time.
- ***Natural Disasters.*** Climate change could result in increased flooding and weather-related disasters. The proposed project is located approximately 22 miles from the Pacific Ocean and would not be exposed to intense coastal storms. The frequency of large floods on rivers and streams could also increase. The proposed project would not impede flood flows or be susceptible to increased flooding; thus, flood-related impacts would be less than significant even under an intensified flooding scenario.
- ***Wildfires.*** Climate change could result in increased occurrences and duration of wildfire events due to warmer temperatures, longer dry seasons, reduced winter precipitation, and early snowmelt. The City is located within areas designated by the California Department of Forestry and Fire Protection (CalFire) as Very High Fire Hazard Severity Zones (VHFHSZ) and Non-VHFHSZ. Development within the VHFHSZ is required to meet strict building construction requirements specified in the *California Building Code* Chapter 7A which would substantially reduce the risk and significance of wildland fires.

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[15] California Natural Resources Agency, *2009 California Climate Adaptation Strategy*, 2009.

[16] California Department of Water Resources, *Progress on Incorporating Climate Change into Management of California's Water Resources*, July 2006.

- ***Public Health.*** Climate change could potentially cause an increase in infections, disease, asthma, and other health-related problems. Heat waves are expected to have a major impact on public health as well as decreasing air quality and an increase in mosquito breeding and mosquito-borne diseases. Vector control districts throughout the State are already evaluating how they will address the expected changes to California's climate. The City would comply with State regulations to implement necessary measures for vector control.

- ***Air Quality.*** Climate change could potentially compound negative air quality impacts in the South Coast Air Basin, resulting in respiratory health impacts. The California Climate Adaptation Strategy states that climate change influences on atmospheric processes will promote formation of ground-level pollutants, such as ozone and secondary aerosols (particulate matter), and that these increases could offset much of the potential gains achieved through air pollution control measures. However, this would be a regional effect.

Other predicted physical and environmental impacts associated with climate change include heat waves, alteration of disease vectors, biome shifts, impacts on agriculture and the food supply, reduced reliability in the water supply, and strain on the existing capacity of sanitation and water-treatment facilities. While these issues are a concern for society at large, implementation of City policies and regional, State, and Federal regulations regarding health and safety would lessen potential impacts to the City of Murrieta.

Projected Greenhouse Gas Emissions

To determine the GHG emission reductions necessary to achieve Murrieta's target (15 percent reduction in emissions from 2009 emission levels by 2020), the City's GHG emissions were projected for the proposed General Plan 2035 buildout year, then GHG emissions were projected for year 2020 under a trend scenario. The trend scenario is based on anticipated growth and development as well as future year consumption rates for energy, transportation, water transport, and waste. The existing and projected emissions are presented in *Table 5.6-4*, *Baseline and Projected 2020 and 2035 Emissions*. The emissions forecast estimates future emissions under a BAU scenario. The BAU scenario assumes that no effort has been made to reduce emissions. Therefore, the future emissions depicted in *Table 5.6-4* present how GHG emissions may increase in Murrieta if no reduction programs are implemented.

Growth and development under a 2035 BAU scenario would continue along a similar trend as under the 2020 BAU conditions. Assuming that the same type of current emissions-generating practices continue to occur within Murrieta, the City's GHG emissions would be anticipated to increase from 430,842 MT CO_2eq in 2009 to 1,385,382 MT CO_2eq in 2035. This represents a 192 percent increase from the 2009 baseline level in 2035. In comparison, the City's projected

population is expected to increase 32 percent by 2035 from 2009.[17] Therefore, if current emissions-generating practices continue, Murrieta's GHG emissions are expected to increase at a higher rate than its population in 2035. This trend can be explained by increases in per capita activity levels (i.e., energy consumption, waste disposal, water consumption, and VMT).

Table 5.6-4
Baseline and Projected 2020 and 2035 Emissions

Emissions Sector	GHG Emissions					
	2009 Baseline		2020 Projected		2035 Projected	
	$MTCO_2eq/yr$	% of Emissions[1]	$MTCO_2eq/yr$	% of Emissions[1]	$MTCO_2eq/yr$	% of Emissions[1]
COMMUNITY SECTOR						
Residential	91,492	23.5	105,148	13.3	123,770	9.3
Commercial						
Commercial	60,153	15.4	96,636	12.3	146,386	11.0
Office	12,711	3.3	232,750	29.5	532,806	39.9
Business Park	8,332	2.1	23,398	3.0	43,942	3.3
Civic/Institutional	9,333	2.4	8,309	1.1	6,914	0.5
Mixed Use	-	-	3,113	0.4	7,358	0.6
Industrial	3,463	0.9	4,241	0.5	5,302	0.4
Transportation	188,138	48.3	296,651	37.6	444,625	33.3
Waste	14,795	3.8	18,419	2.3	23,363	1.8
Community Sub-Total[2]	**389,717**	**100**	**788,666**	**100**	**1,334,466**	**100**
MUNICIPAL SECTOR						
Buildings and Facilities	466	1.1	485	1.1	513	1.0
Streetlights & Traffic Signals	7,640	18.6	8,125	17.9	8,786	17.3
Water Delivery Facilities	23,941	58.2	26,791	59.2	30,679	60.3
Wastewater Facilities	6,091	14.8	6,864	15.2	7,918	15.6
Employee Commute	1,738	4.2	1,739	3.8	1,740	3.4
Vehicle Fleet	1,251	3.0	1,264	2.8	1,281	2.5
Municipal Sub-Total[2]	**41,125**	**100**	**45,268**	**100**	**50,917**	**100**
Grand Total (Community and Municipal Sectors)[2]	**430,842**	N/A	**833,934**	N/A	**1,385,382**	N/A

GHG = greenhouse gas; $MTCO_2eq/yr$ = metric tons of carbon dioxide equivalent per year

Notes:
1. The percentage of emissions refers to the respective sectors (either community or municipal) and not to the combined total.
2. Totals may be slightly off due to rounding.

Source: ICLEI, *Clean Air and Climate Protection 2009 Software Version 2.2.1b*, April 2010.

Under a BAU scenario, the City's GHG emissions (municipal and community) would be anticipated to increase from 430,842 MT CO_2eq in 2009 to 833,934 MT CO_2eq in 2020. This represents a 75 percent increase from the 2009 baseline level. In comparison, the City's projected population is expected to increase 13 percent by 2020 from 2009.[18] Therefore, if

[17] Southern California Association of Governments (SCAG), *Adopted 2008 RTP Growth Forecast by City*, http://www.scag.ca.gov/forecast/index.htm. Accessed January 17, 2010.
[18] Ibid.

current emissions-generating practices continue, Murrieta's GHG emissions are expected to increase at a higher rate than its population in 2020. This trend can be explained by increases in per capita activity levels (i.e., energy consumption, waste disposal, water consumption, and VMT).

Proposed Climate Action Plan Reduction Measures

The City has prepared a CAP as part of the proposed General Plan 2035 to address GHG emissions reduction within the City. There are seven CAP strategies that Murrieta has crafted to achieve the desired reduction target of 15 percent below baseline levels by 2020. Combined, these strategies would decrease GHG emissions by approximately 469,386 MT CO_2eq by 2020, enabling the community to contribute to global efforts to combat climate change. It should be noted that the strategies and emissions reduction measures take into account projected growth within the City. Each of the strategies contains emission reduction measures from municipal and non-municipal operations. These measures are consistent with and build upon the goals and policies within the proposed General Plan 2035. Although GHG inventories for 2035 (buildout year associated with the proposed General Plan 2035) are included, these are included only for informational purposes, as the reduction strategy that was chosen is set to comply with the AB 32 benchmark of 2020. However, implementation of the GHG reduction measures in the CAP would ensure the GHG emissions are significantly reduced from a 2035 BAU scenario. Each of the seven strategies recommends measures and actions that would make the vision of the CAP a reality. Measures define the direction that the City would take to accomplish its GHG reduction goals. Actions define the specific steps that City staff and decision-makers would take over time. The seven emission reduction strategies and associated GHG reduction measures identified in the CAP are as follows:

- ***Community Involvement Strategy (Climate Action Strategy 1).*** The community involvement strategy is intended to foster a sense of ownership of the ideas and actions to be carried out within the City. To create a successful plan that is supported by the community, who will ultimately make these changes.

  Specific measures to implement this strategy include Climate Action Strategy 1, Goal CIR-6 and associated Measure CIR-6.12 which would increase public education of public transit options through public workshops. Climate Action Strategy 1, Goal CSV-15 and Measures CSV-15.1 through CSV-15.7 address green building, energy efficiency, and renewable energy options for the City. Additionally, Climate Action Strategy 1, Goal HC-1 and Measure HC-1.3 encourage the municipal use of fuel-efficient and low emissions vehicles (i.e., hybrid and/or electric vehicles).

- ***Land Use and Community Vision Strategy (Climate Action Strategy 2).*** The land use and community vision strategy encourages changes in the land use pattern to enable residents to reduce dependence on their cars to get around town.

  In support of this strategy, Climate Action Strategy 2, Goal LU-1 and Measure LU-1.6 would balance land uses within the City to reduce VMT by promoting more efficient

future land use patterns and amending the City's Development Code to ensure efficiency. Climate Action Strategy 2, Goals LU-4 through LU-6, ED-5, ED-6, and ED-8, Measures LU-4.3, LU-5.1, LU-5.2, LU-6.3, ED-5.1, ED-6.1, ED-6.2, and ED-8.1 address the goal of improving the jobs/housing balance within the City to reduce VMT of commuters. This would be accomplished by locating residential uses near jobs and public transportation, incorporating mixed-use development, and updating the Development Code to allow for emerging businesses and industry types. Climate Action Strategy 2, Goals LU-7 and LU-8 and Measures LU-7.4, LU-7.8, LU-8.1, LU-8.2, and LU-8.4 through LU-8.8 would promote transit oriented development within the City. Specifically, multi-modal transit opportunities should be located near higher density residential, mixed-use, and employment development to increase transit ridership and reduce VMT. Pedestrian-friendly measures are addressed by Climate Action Strategy 2, Goals LU-9 and LU-10, Measures LU-9.1 through LU-9.8, and LU-10.1 through LU-10.9. Human-scale development, mixed-use development, infill development, shortened blocks, and pedestrian-oriented design would encourage pedestrian modes of travel as opposed to vehicular travel. Additionally, Climate Action Strategy 2, Goals ED-3, ED-4, ED-10, AQ-6, and Measures ED-3.1 through ED-3.4, ED-4.2, ED-10.6, and AQ-6.3 support a sustainable economy. An increased jobs/housing balance would be achieved through the support of a diverse range of business activities, incentives to attract new businesses and industries, increased development in the Historic Downtown, and encouragement of non-polluting industry.

- ***Transportation and Mobility Strategy (Climate Action Strategy 3).*** The transportation and mobility strategy identifies opportunities to improve mobility such as walking, bicycling, and transit use, and to decrease the need to drive.

  In support of this strategy, Climate Action Strategy 3, Goals LU-24, CIR-1, CIR-6, and AQ-5, Measures LU-24.2, LU-24.6, CIR-1.1, CIR-1.9, CIR-1.11, CIR-6.1 through CIR-6.6, AQ-5.1, AQ-5.3 through AQ-5.4, AQ-5.6, and AQ-5.7 specifically address reduced driving within the City. This would be accomplished through a pedestrian-oriented environment, mixed-use development, increased alternative transportation options, and implementation of transportation demand management measures. Additionally, Climate Action Strategy 3, Goals LU-22, CIR-8, and Measures LU-22.6, CIR-8.1, CIR-8.2, and CIR-8.9 through CIR-8.12 provide for interconnected bicycle, pedestrian, and multi-use trails within the City to discourage vehicle dependence. Improved public transportation ridership is addressed by Climate Action Strategy 3, Goal CIR-5 and LU-25, and Measures CIR-5.9 through CIR-5.11, CIR-5.14, and LU-25.2 which specifically encourage development of a Metrolink station within the City, which would reduce regional vehicular trips. Pedestrian travel is promoted by Climate Action Strategy 3, Goal CIR-2 and CIR-7, and Measures CIR-2.3 and CIR-2.4 through CIR-2.6, CIR-2.12, and CIR-7.1 through CIR-7.8 which would ensure efficient and safe pedestrian movement, the installation of traffic calming measures, and creation of internal sidewalk systems linking different land uses in new developments.

- ***Energy Use and Conservation Strategy (Climate Action Strategy 4).*** The energy use and efficiency strategy recommends ways to increase energy efficiency in existing buildings, enhance energy performance for new construction, and increase use of renewable energy.

  In support of this strategy, Climate Action Strategy 4, Goal CSV-12 and Policies CSV-12.1 through CSV-12.8, and Climate Action Strategy 4, Draft 2008-2014 Housing Element Goal 2, Measure 2.3, and Action 2.5 which promote energy conservation by providing incentives, allowing for solar power generation, developing required improvements to improve energy efficiency by 15 percent, as well as adopting an Energy Conservation Ordinance. Climate Action Strategy 4, Goal CSV-14 and Measures CSV-14.1 through CSV-14.4 address green building measures, which ensure new construction projects would comply with the 2010 California State Green Building Standards Code, integrate green building methods, and raise community awareness regarding green building.

- ***Water Use and Efficiency Strategy (Climate Action Strategy 5).*** The intent of this strategy is to conserve water through efficient use and conservation.

  To implement this strategy, Climate Action Strategy 5, Goal INF-2 and associated Measures INF-2.1 through INF-2.5 would increase the use of recycled water. The City would support and work with other water districts to explore options for expanding recycled water infrastructure to reduce the demand for potable water. Climate Action Strategy 5, Goal CSV-1 and Measures CSV-1.2 and CSV-1.4 promote water conservation, water recycling, and groundwater recharge. Climate Action Strategy 5, Goal CSV-2 and Measures CSV-2.1, CSV-2.2, and CSV-2.4 promote landscape irrigation water reduction by ensuring that developments would comply with water efficiency requirements, encouraging the retrofitting of building systems (indoor and outdoor), and promoting water efficient landscaping practices through outreach efforts.

- ***Waste Reduction and Recycling Strategy (Climate Action Strategy 6).*** The strategy builds on past City successes by increasing waste diversion, reducing consumption of materials that otherwise end up in landfills, and increasing recycling.

  In support of this strategy, Climate Action Strategy 6, Goal INF-1 and Measure INF-1.15 encourages the City to continue promoting reduced waste with informational and outreach programs. Climate Action Strategy 6, Goal CSV-13 and Measures CSV-13.1 through CSV-13.7 ensure landfill diversion requirements are met, promote recycling, encourage composting programs, promote public outreach and education workshops on composting, and explore the implementation of a community-wide composting program.

- ***Open Space Strategy (Climate Action Strategy 7).*** This strategy expands the utilization of open spaces for habitat, storm water management, soil retention, air filtration, and cooling, aesthetic and economic value, local food security, increased and improved parks, preservation, and to create new open spaces.

To implement this strategy, Climate Action Strategy 7, Goal CSV-9 and associated Measures CSV-9.1 through CSV-9.9 aim to increase suburban open space by establishing street tree standards and a landscape program, and promoting tree planting. Climate Action Strategy 7, Goal CSV-10 and Measures CSV-10.1 through CSV-10.7 promote locally-grown food and the availability of fresh produce in the City. Climate Action Strategy 7, Goals ROS-7 through ROS-9 and associated Measures aim to preserve and enhance open space resources, and encourage new developments to incorporate parks and recreation facilities, gardens, green spaces, and public plazas.

Implementation of the recommended CAP measures and actions would result in a potential reduction in GHG emissions of up to 885,247 MT CO_2eq; refer to *Table 5.6-5*, *Summary of GHG Reduction Measures*. As a result, the City of Murrieta would not achieve the emission reduction target of 15 percent below 2009 emission levels with these measures alone. However, the community can assume credit for a portion of the GHG emission reductions that occur through legislation that is being implemented at the statewide level. Senate Bill 107 (SB 107) establishes performance standards for GHG emission reductions from electric utilities and Assembly Bill 1493 (AB 1493) establishes performance standards for GHG emission reductions from motor vehicles. Executive Order S-1-07 (EO S-1-07) also establishes performance standards for the carbon intensity of transportation fuels. At the time of the CAP preparation, the City only has confidence in estimating the GHG emission reductions associated with SB 107, AB 1493, and EO S-1-07. As the regulatory framework surrounding AB 32 grows in the future, it may be possible to evaluate a wider range of statewide reductions.

Table 5.6-5
Summary of GHG Reduction Measure Performance

Number	Strategy and Measure	2020 GHG Reductions ($MTCO_2$eq per Year)	Percent Reduction
Community Involvement Strategy			
CIR-6	Alternative travel modes and facilities are available to serve residents and employers/employees and reduce vehicle miles traveled.	Supporting Measure	N/A
CSV-15	A community taking a leadership role in resource conservation and reduction of greenhouse gas emissions by implementing programs to improve municipal operations.	97	0.02%
HC-1	Application of innovative and model best practices in the community health field.	253	0.05%
	Subtotal	**350**	**0.07%**
Land Use and Community Vision Strategy			
LU-1	A complementary balance of land uses throughout the community that meets the needs of existing residents and businesses as well as anticipated growth, and achieves the community's vision.	18,674	3.98%

Table 5.6-5 [continued]
Summary of GHG Reduction Measure Performance

Number	Strategy and Measure	2020 GHG Reductions ($MTCO_2eq$ per Year)	Percent Reduction
LU-4	A housing stock that meets the diverse needs of Murrieta's existing and future residents.	Supporting Measure	N/A
LU-5	Promotion of quality industrial development that provides local employment opportunities.	3,641	0.78%
LU-6	Land use policy that encourages job retention and attraction.	52,288	11.14%
LU-7	Economically viable, vital, and attractive commercial centers throughout the City that serve the needs of the community.	Supporting Measure	N/A
Number	Strategy and Measure	2020 GHG Reductions (MTCO2eq per Year)	Percent Reduction
LU-8	A community that provides opportunities for mixed use and/or transit-oriented development.	784	0.17%
LU-9	Land use patterns and urban design that support healthy and sustainable lifestyles and businesses.	2,334	0.50%
LU-10	A community that provides pedestrian-friendly environments for residential, commercial, business, and recreation uses.	Supporting Measure	N/A
ED-3	A sound, stable, and diversified economic base.	Supporting Measure	N/A
ED-4	Positive balance between the supply of retail opportunities and demand for goods and services.	Supporting Measure	N/A
ED-5	An improved jobs/housing balance.	Supporting Measure	N/A
ED-6	An educated and highly-skilled labor force.	Supporting Measure	N/A
ED-8	Strategic Approach to Economic Growth	Supporting Measure	N/A
ED-10	A revitalized and economically stable Historic Downtown Murrieta.	Supporting Measure	N/A
AQ-6	Stationary source pollution (point source and area source) are minimized through existing and future regulations and new technology.	Supporting Measure	N/A
	Subtotal	**77,721**	**16.56%**
Transportation and Mobility Strategy			
LU-22	Natural and visual resources are valued resources to maintain the rural character of the Los Alamos Hills.	Supporting Measure	N/A
LU-24	Historic Murrieta as the City's cultural, civic and community center.	Supporting Measure	N/A
LU-25	Collaboration with Federal, State, County, and other regional agencies and authorities to ensure compliance with existing and future legislation that affects the City of Murrieta.	Supporting Measure	N/A
CIR-1	A circulation system that serves the internal circulation needs of the City, while also addressing the inter-community or through travel needs.	7,470	1.59%
CIR-2	A comprehensive circulation system that promotes safety.	14,939	3.18%

Table 5.6-5 [continued]
Summary of GHG Reduction Measure Performance

Number	Strategy and Measure	2020 GHG Reductions ($MTCO_2eq$ per Year)	Percent Reduction
CIR-5	A supported regional transportation system that serves existing and future travel between Murrieta and other population and employment centers within southwest Riverside County and the larger region, and that accommodates the regional travel needs of developing areas outside the City.	1,867	0.40%
CIR-6	Alternative travel modes and facilities are available to serve residents and employers/employees and reduce vehicle miles traveled.	37,345	7.96%
CIR-7	Residential areas and activity centers are accessible to all pedestrians, including persons with disabilities or having special accessibility needs.	934	0.20%
CIR-8	Development, expansion, and maintenance of a network of bicycle, pedestrian, and multi-use trails that allows residents to travel between parks, schools, neighborhoods, and other major destinations without driving.	6,536	1.39%
AQ-4	Mobile source emissions are reduced by providing a balance of jobs and housing that serve the needs of the community.	18,674	3.98%
AQ-5	Air quality is improved through an efficient circulation system, reduced traffic congestion, and reduced vehicle miles traveled.	47	0.01%
	Subtotal	**87,812**	**18.77%**
Energy Use and Conservation Strategy			
CSV-12	Energy conservation and the generation of energy from renewable sources is prioritized as part of an overall strategy to reduce greenhouse gas emissions.	54,588	11.63%
CSV-14	A community that encourages and incentivizes the sustainable development of buildings and neighborhoods, particularly with respect to durability, energy and water use, and transportation impacts.	120,120	25.59%
Housing Element Goal 2	Conserve and enhance the quality of existing housing and residential neighborhoods in Murrieta.	Supporting Measure	N/A
	Subtotal	**174,708**	**37.22%**
Water Use and Efficiency Strategy			
INF-2	Infrastructure for recycled water is expanded throughout Murrieta for irrigation and other non-potable uses.	4,019	0.86%
CSV-1	A community that conserves, protects, and manages water resources to meet long-term community needs, including surface waters, groundwater, imported water supplies, storm water, and waste water.	10,097	2.15%
CSV-2	Murrieta promotes compliance with requirements from the State and appropriate agencies regarding comprehensive water conservation measures in buildings and landscaping.	Supporting Measure	N/A
	Subtotal	**14,116**	**3.01%**

Table 5.6-5 [continued]
Summary of GHG Reduction Measure Performance

Number	Strategy and Measure	2020 GHG Reductions ($MTCO_2eq$ per Year)	Percent Reduction
Waste Reduction and Recycling Strategy			
INF-1	New development and redevelopment is coordinated with the provision of adequate infrastructure for water, sewer, storm water, and energy.	Supporting Measure	N/A
CSV-13	Solid waste is diverted from landfills through waste reduction, re-use and recycling.	7,009	1.50%
	Subtotal	**7,009**	**1.50%**
Open Space Strategy			
CSV-9	A community that promotes the growth of an urban forest and water-efficient landscaping, recognizing that plants provide natural services such as habitat, storm water management, soil retention, air filtration, and cooling, and also have aesthetic and economic value.	1,590	0.34%
CSV-10	Fresh food is grown locally and made available through multiple venues that maintain a link to the City's agricultural heritage and promote healthy eating.	Supporting Measure	N/A
ROS-7	Open space areas are planned to protect, conserve, and utilize resources of unique character and value for the community.	Supporting Measure	N/A
ROS-8	New development is part of a coordinated system of open space, parkland, recreation facilities, and trails.	Supporting Measure	N/A
ROS-9	Public plazas or green spaces provide additional open space opportunities for existing and future residents and employees.	Supporting Measure	N/A
	Subtotal	**1,590**	**0.34%**
Statewide Reductions			
	SB 1078 and SB 107	53,691	11.44%
	AB 1493 and EO S-1-07	52,389	11.16%
	Subtotal Statewide Reductions	**106,080**	**22.60%**
	Total Reductions	**469,386**	**100%**
		15.21% from 2009 baseline	
Source: City of Murrieta, *City of Murrieta Draft Climate Action Plan*, January 2011.			

The GHG reduction strategies and measures in the CAP were based on the goals and policies in the proposed General Plan 2035 and were designed to include performance criteria that would allow the City to achieve its GHG reduction target of 15 percent below 2009 levels by 2020. As proposed, the CAP meets this target, with a projected 15.21 percent reduction. This 15.21 percent reduction includes credit for a portion of the GHG emission reductions that occur through legislation that is being implemented at the statewide level (SB 107, AB 1493, and EO-E-1-07). The CAP includes other supporting measures that contribute to the GHG emission reductions of other related measures. Other measures could not be quantified, due either to a lack of substantial evidence or limitations inherent in quantifying the effect of less tangible programs and policies. For the CAP to successfully guide Murrieta toward meeting its GHG

reduction target, the City must play a prominent role in implementing the CAP's programs and policies. The public also has a role by participating in and ensuring success of the measures and actions.

Consistency with the California Attorney General's Mitigation Measures

With implementation of the proposed CAP Climate Action Strategies and associated measures and actions, the proposed General Plan 2035 would comply with measures that are consistent with the California Office of the Attorney General's recommended measures to reduce GHG emissions. The CAP incorporates sustainable practices consistent with the Attorney General's recommended measures which include water, energy, solid waste, land use, and transportation efficiency measures.

Consistency with the CARB Scoping Plan

CARB Scoping Plan Measures/Recommended Actions include those related to transportation, electricity consumption, natural gas usage, water conservation, green buildings, and recycling and waste management. The proposed CAP incorporates several Climate Action Strategies and associated measures and actions that would be consistent with, and help implement the CARB Scoping Plan in order to obtain AB 32 goals, as well as the Governor's Executive Order.

Impact Conclusion

As presented above, implementation of the GHG reduction strategies and measures in the CAP would allow the proposed General Plan 2035 to achieve its GHG reduction target of 15 percent below 2009 levels by 2020. As proposed, the CAP meets this target with a projected 15.21 percent reduction, and the proposed General Plan 2035 would be consistent with the reduction targets of AB 32. Thus, a less than significant impact would occur.

Goals and Policies in the Proposed General Plan 2035: A detailed summary of the goals and policies outlined below can be found in Chapter 3, Climate Action Strategies in Appendix Q, Climate Action Plan, as well as Section 3.0, Project Description, in this EIR. The complete goal and policy statement is stated in Section 3.0, Project Description.

LAND USE ELEMENT

Goals: LU-1, LU-4, LU-5, LU-6, LU-7, LU-8, LU-9, LU-10, LU-22, LU-24, LU-25

Policies : LU-1.6, LU-4.3, LU-5.1, LU-5.2, LU-6.1, LU-7.4, LU-7.8, LU-8.1, LU-8.2, LU-8.4, LU-8.5, LU-8.6, LU-8.7 ,LU-8.8, LU-9.1, LU-9.2, LU-9.3, LU-9.4, LU-9.5, LU-9.6, LU-9.7, LU-9.8, LU-10.1, LU-10.2, LU-10.3, LU-10.4, LU-10.5, LU-10.6, LU-10.7, LU-10.8, LU-10.9, LU-22.6, LU-24.2, LU-24.6, LU-25.2

ECONOMIC DEVELOPMENT ELEMENT

Goals: ED-3, ED-4, ED-5, ED-6, ED-8, ED-10
Policies: ED-3.1, ED-3.2, ED-3.3, ED-3.4, ED-4.2, ED-5.1, ED-6.1, ED-6.2, ED-8.1, ED-10.6

CIRCULATION ELEMENT

Goals: CIR-1, CIR-2, CIR-5, CIR-6, CIR-7, CIR-8
Policies: CIR-1.1, CIR-1.9, CIR-1.11, CIR-2.3, CIR-2.5, CIR-2.6, CIR-2.7, CIR-2.12, CIR-5.9, CIR-5.10, CIR-5.11, CIR-5.14, CIR-6.1, CIR-6.2, CIR-6.3, CIR-6.4, CIR-6.5, CIR-6.6, CIR-6.12, CIR-7.1, CIR-7.2, CIR-7.3, CIR-7.4, CIR-7.5, CIR-7.6, CIR-7.7, CIR-7.8, CIR-8.1, CIR-8.2, CIR-8.10, CIR-8.11, CIR-8.12, CIR-8.13

INFRASTRUCTURE ELEMENT

Goals: INF-1, INF-2
Policies: INF-1.15, INF-2.1, INF-2.2, INF-2.3, INF-2.4, INF-2.5

HEALTHY COMMUNITY ELEMENT

Goals: HC-1
Policies: HC-1.3

CONSERVATION ELEMENT

Goals: CSV-1, CSV-2, CSV-9, CSV-10, CSV-12, CSV-13, CSV-14, CSV-15
Policies: CSV-1.2, CSV-1.4, CSV-2.1, CSV-2.2, CSV-2.4, CSV-9.1, CSV-9.2, CSV-9.3, CSV-9.4, CSV-9.5, CSV-9.6, CSV-9.7, CSV-9.8, CSV-9.9, CSV-10.1, CSV-10.2, CSV-10.3, CSV-10.4, CSV-10.5, CSV-10.6, CSV-10.7, CSV-12.1, CSV-12.2, CSV-12.3, CSV-12.4, CSV-12.5, CSV-12.6, CSV-12.7, CSV-12.8, CSV-13.1, CSV-13.2, CSV-13.3, CSV-13.4, CSV-13.5, CSV-13.6, CSV-13.7, CSV-14.1, CSV-14.2, CSV-14.3, CSV-14.4, CSV-15.1, CSV-15.2, CSV-15.3, CSV-15.4, CSV-15.5, CSV-15.6, CSV-15.7

RECREATION AND OPEN SPACE ELEMENT

Goals: ROS-7, ROS-8, ROS-9
Policies: ROS-7.1, ROS-7.2, ROS-7.3, ROS-7.4, ROS-8.1, ROS-8.2, ROS-8.3, ROS-8.4, ROS-9.1, ROS-9.2, ROS-9.3, ROS-9.4, ROS-9.5

AIR QUALITY ELEMENT

Goals: AQ-4, AQ-5, AQ-6
Policies: AQ-4.1, AQ-4.2, AQ-4.3, AQ-4.4, AQ-5.1, AQ-5.3, AQ-5.4, AQ-5.6, AQ-5.7, AQ-6.3

HOUSING ELEMENT

Goals: Goal 2
Policies: Policy 2.3
Action: Action 2.5

Mitigation Measures: No mitigation measures beyond the strategies, goals, and measures identified in the proposed Climate Action Plan are required.

Level of Significance After Mitigation: Not Applicable.

CONSISTENCY WITH APPLICABLE GHG PLANS, POLICIES, OR REGULATIONS

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD CONFLICT WITH AN APPLICABLE GREENHOUSE GAS REDUCTION PLAN, POLICY, OR REGULATION.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: As previously stated, the City has prepared a CAP as part of the proposed General Plan 2035 process, which includes a variety of strategies, measures, and actions to reduce GHG emissions in accordance with State reduction goals. These strategies, measures, and actions are consistent with and build upon the Goals and Policies within the City's proposed General Plan 2035. *Table 5.6-6*, *Climate Action Strategy Reductions* illustrates the reductions that would be achieved per Climate Action Strategy with implementation of the CAP.

Table 5.6-6
Climate Action Strategy Reductions

Reduction Categories	Reductions from CAP Measures	
	$MTCO_2eq/yr$	Percentage
Climate Action Strategy 1: Community Involvement Strategy	350	0.07
Climate Action Strategy 2: Land Use and Community Vision Strategy	77,721	16.56
Climate Action Strategy 3: Transportation and Mobility Strategy	87,812	18.77
Climate Action Strategy 4: Energy Use and Conservation Strategy	174,708	37.22
Climate Action Strategy 5: Water Use and Efficiency Strategy	14,116	3.01
Climate Action Strategy 6: Waste Reduction and Recycling Strategy	7,009	1.49
Climate Action Strategy 7: Open Space Strategy	1,590	0.34
AB 1078 and SB 107	53,691	11.44
AB 1493 and EO S-1-07	52,389	11.16
Total	**469,386**	**100**
	15.21% from 2009 baseline	

CAP reduction measures would result in a total of approximately 469,386 $MTCO_2eq$ (15.21 percent) below 2020 BAU GHG emissions. The proposed General Plan 2035 would be consistent with the proposed CAP, as CAP strategies, measures, and actions are consistent with and build upon the goals and policies within the proposed General Plan 2035. Therefore, the proposed General Plan 2035 would be consistent, and would not conflict with an applicable GHG reduction plan, policy, or regulation. Impacts in this regard are less than significant.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.6.

Mitigation Measures: No mitigation measures beyond the strategies, goals, and measures identified in the proposed CAP are required.

Level of Significance After Mitigation: Not Applicable.

5.6.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

■ GREENHOUSE GAS EMISSIONS RESULTING FROM DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND CUMULATIVE DEVELOPMENT COULD IMPACT GREENHOUSE GAS EMISSIONS ON A CUMULATIVELY CONSIDERABLE BASIS.

Level of Significance Before Analysis and Mitigation: Less Than Significant Impact.

Impact Analysis: The proposed General Plan 2035 would result in a less than significant impact regarding GHG emissions with implementation of CAP reduction strategies, measures, and actions. These policies and measures would result in a reduction of approximately 469,386 $MTCO_2eq$ (15.21 percent) below 2020 BAU GHG emissions, which is consistent with the State reduction goals set forth in AB 32.

On December 30, 2009, the Natural Resources Agency adopted the CEQA Guideline Amendments prepared by Office of Planning and Research (OPR), as directed by SB 97. On February 16, 2010, the Office of Administration Law approved the CEQA Guidelines Amendments, and filed them with the Secretary of State for inclusion in the California Code of Regulations. The CEQA Guidelines Amendments became effective on March 18, 2010. The Natural Resources Agency originally proposed to add subdivision (f) to section 15130 to clarify that sections 21083 and 21083.05 of the Public Resources Code do not require a detailed analysis of GHG emissions solely due to the emissions of other projects (i.e., *CEQA Guidelines, Section* 15130(a)(1); *Santa Monica Chamber of Commerce v. City of Santa Monica* (2002) 101 Cal.App.4th 786, 799). Rather, the proposed subdivision (f) would have provided that a detailed analysis is required when evidence shows that the incremental contribution of the project‘s GHG emissions is cumulatively considerable when added to other cumulative projects (i.e., *Communities for a Better Environment v. California Resources Agency* (2002), supra, 103 Cal.App.4th at 119-120). In essence, the proposed addition would be a restatement of law as applied to GHG emissions. Analysis of GHG emissions as a cumulative impact is consistent with case law arising under the National Environmental Policy Act (e.g., *Center for Biological Diversity v. National Highway Traffic Safety Administration*, 538 F.3d 1172, 1215-1217 [9th Cir. 2008]). Other portions of the CEQA Guideline Amendments address how lead agencies may determine whether a project‘s emissions are cumulatively considerable (e.g., Proposed Sections 1506(h)(3) and 15064.4). However, public comments noted that the new subdivision merely restated the law, and was capable of misinterpretation. The Natural Resources Agency, therefore, determined that because other provisions of the CEQA Guideline Amendments address the analysis of GHG emissions as a cumulative impact, and because the reasoning of those is fully explained in the Initial Statement of Reasons, subdivision (f) should not be added

to the CEQA Guidelines. The deletion was reflected in the revisions that were made available for further public review and comment on October 23, 2009.

It is generally the case that an individual project of this size is of insufficient magnitude by itself to influence climate change or result in a substantial contribution to the global GHG inventory.[19] GHG impacts are recognized as exclusively cumulative impacts; there are no non-cumulative GHG emission impacts from a climate change perspective.[20] In addition, as noted in *Table 5.6-6*, implementation of the CAP would result in GHG reduction of approximately 469,386 MT CO_2eq (15.21 percent) below 2020 BAU. For the reasons discussed in this section and because the project incorporates GHG reduction measures, the proposed General Plan 2035's GHG emissions would not result in a cumulative considerable impact.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.6.

Mitigation Measures: No mitigation measures beyond the strategies, goals, and measures identified in the proposed CAP are required.

Level of Significance After Mitigation: Not Applicable.

5.6.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Greenhouse Gas emissions impacts associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with CAP strategies, goals, and measures. No significant unavoidable GHG emissions impacts would occur as a result of buildout of the proposed General Plan 2035.

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the future of southern california
Murrieta
General Plan Update

Section 5.7:
Noise

5.7 NOISE

The purpose of this section is to summarize the existing noise conditions within the City of Murrieta. Information in this section was obtained from the *City of Murrieta Municipal Code* (Municipal Code). For the purposes of mobile source noise modeling and contour distribution, traffic information contained in the *Traffic Impact Analysis* (Draft January 2011, Final September 2011), prepared by Iteris was utilized; refer to Appendix C, Traffic Impact Analysis. Appendix E, Noise Data, includes data to support this analysis is this section.

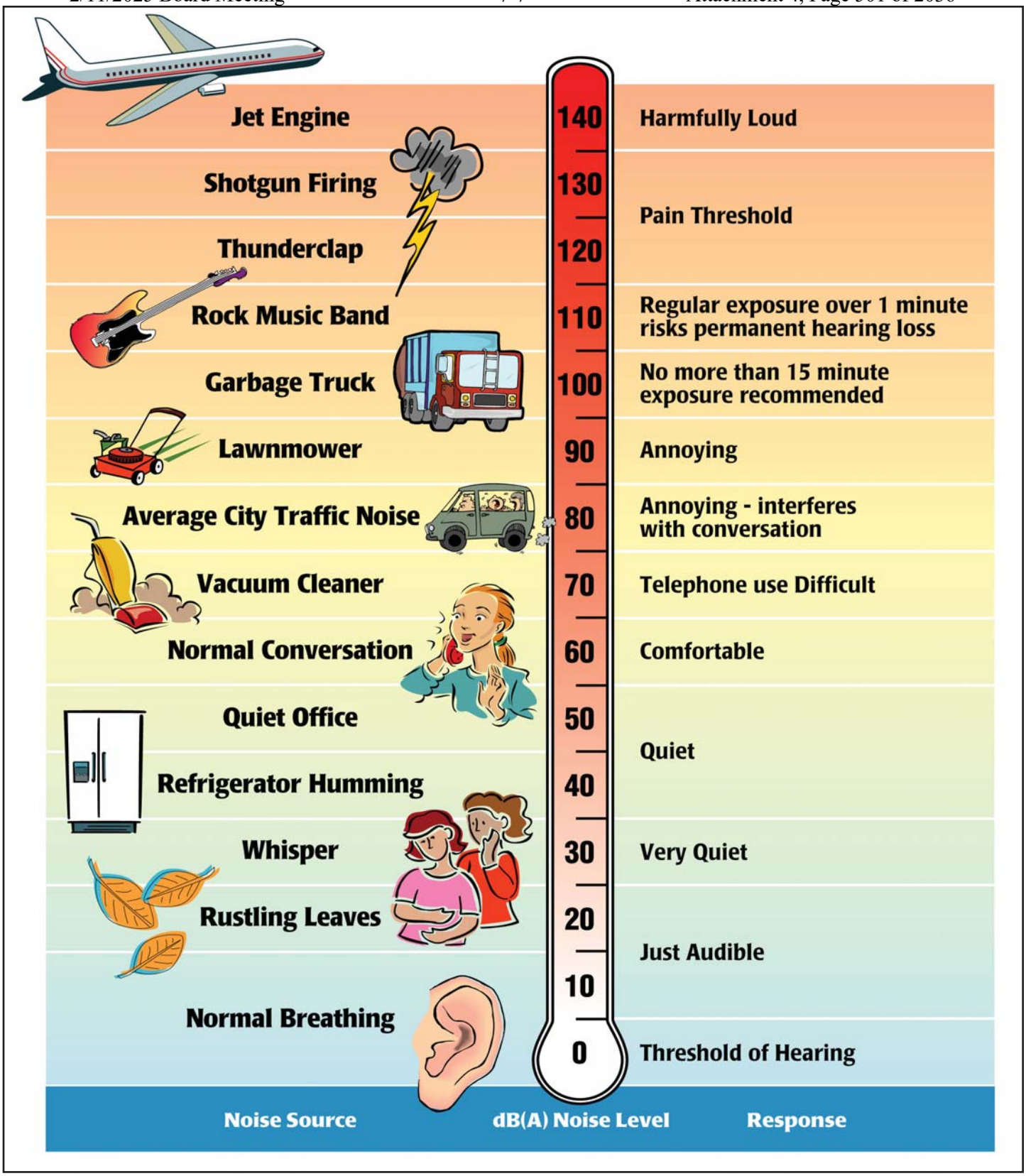
5.7.1 REGULATORY SETTING

Sound is described in terms of the loudness (amplitude) of the sound and frequency (pitch) of the sound. The standard unit of measurement of the loudness of sound is the decibel (dB). Since the human ear is not equally sensitive to sound at all frequencies, a special frequency-dependent rating scale has been devised to relate noise to human sensitivity. The A-weighted decibel scale (dBA) performs this compensation by discriminating against frequencies in a manner approximating the sensitivity of the human ear.

The perceived loudness of sound is dependent upon many factors, including sound pressure level and frequency content. However, within the usual range of environmental noise levels, perception of loudness is relatively predictable, and should be approximated by the A-waited sound levels (expressed as dBA) and the way the human ear perceives noise. For this reason, the A-weighted sound level has become the standard tool of environmental noise assessment.

Community noise is commonly described in terms of the “ambient” nose level, which is defined as the all-encompassing noise level associated with a given noise environment. A common statistical tool to measure the ambient noise level is the average, or equivalent, sound level (Leq), which corresponds to a steady-state A-weighted sound level containing the same total energy as a time-varying signal over a given time period (usually one hour). The Leq is the foundation of the composite noise descriptor, Ldn, and shows very good correlation with community response to noise.

Decibels are based on the logarithmic scale. The logarithmic scale compresses the wide range in sound pressure levels to a more usable range of numbers in a manner similar to the Richter scale used to measure earthquakes. In terms of human response to noise, a sound 10 dBA higher than another is judged to be twice as loud and 20 dBA higher four times as loud, and so forth. Everyday sounds normally range from 30 dBA (very quiet) to 100 dBA (very loud). Examples of various sound levels in different environments are illustrated on *Exhibit 5.7-1*, *Sound Levels and Human Response*.



Source: Melville C. Branch and R. Dale Beland, *Outdoor Noise in the Metropolitan Environment*, 1970.
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Sound Levels and Human Response

Exhibit 5.7-1

Many methods have been developed for evaluating community noise to account for, among other things:

- The variation of noise levels over time;
- The influence of periodic individual loud events; and
- The community response to changes in the community noise environment.

Numerous methods have been developed to measure sound over a period of time; refer to *Table 5.7-1*, *Noise Descriptors*.

Table 5.7-1
Noise Descriptors

Term	Definition
Decibel (dB)	The unit for measuring the volume of sound equal to 10 times the logarithm (base 10) of the ratio of the pressure of a measured sound to a reference pressure (20 micropascals).
A-Weighted Decibel (dBA)	A sound measurement scale that adjusts the pressure of individual frequencies according to human sensitivities. The scale accounts for the fact that the region of highest sensitivity for the human ear is between 2,000 and 4,000 cycles per second (hertz).
Equivalent Sound Level (L_{eq})	The sound level containing the same total energy as a time varying signal over a given time period. The L_{eq} is the value that expresses the time averaged total energy of a fluctuating sound level.
Maximum Sound Level (L_{max})	The highest individual sound level (dBA) occurring over a given time period.
Minimum Sound Level (L_{min})	The lowest individual sound level (dBA) occurring over a given time period.
Community Noise Equivalent Level (CNEL)	A rating of community noise exposure to all sources of sound that differentiates between daytime, evening, and nighttime noise exposure. These adjustments are +5 dBA for the evening, 7:00 PM to 10:00 PM, and +10 dBA for the night, 10:00 PM to 7:00 AM
Day/Night Average (L_{dn})	The L_{dn} is a measure of the 24-hour average noise level at a given location. It was adopted by the U.S. Environmental Protection Agency (EPA) for developing criteria for the evaluation of community noise exposure. It is based on a measure of the average noise level over a given time period called the L_{eq}. The L_{dn} is calculated by averaging the L_{eq}'s for each hour of the day at a given location after penalizing the "sleeping hours" (defined as 10:00 PM to 7:00 AM), by 10 dBA to account for the increased sensitivity of people to noises that occur at night.
Exceedance Level (L_n)	The A-weighted noise levels that are exceeded 1%, 10%, 50%, and 90% (L_{01}, L_{10}, L_{50}, L_{90}, respectively) of the time during the measurement period.
Source: Cyril M. Harris, *Handbook of Noise Control*, dated 1979.	

It is difficult to specify noise levels that are generally acceptable to everyone; what is annoying to one person may be unnoticed by another. Standards may be based on documented complaints in response to documented noise levels, or based on studies of the ability of people to sleep, talk, or work under various noise conditions. Standards usually address the needs of most of the general population. This section summarizes the laws, ordinances, regulations, and standards that are applicable to the proposed project. Regulatory requirements related to environmental noise are typically promulgated at the local level. However, Federal and State agencies provide standards and guidelines to the local jurisdictions.

FEDERAL

The Federal Noise Control Act of 1972 established programs and guidelines to identify and address the effects of noise on public health, welfare, and the environment. In 1981, the U.S. Environmental Protection Agency (U.S. EPA) administrators determined that subjective issues such as noise would be better addressed at more local levels of government, thereby allowing more individualized control for specific issues by designated Federal, State, and local government agencies. Consequently, in 1982 responsibilities for regulating noise control policies were transferred to specific federal agencies, and state and local governments. However, noise control guidelines and regulations contained in the U.S. EPA rulings in prior years remain in place. No Federal noise regulations are directly applicable to the proposed project.

STATE

The State of California has adopted noise standards in areas of regulation not preempted by the federal government. State standards regulate noise levels of motor vehicles, sound transmission through buildings, occupational noise control, and noise insulation. State regulations governing noise levels generated by individual motor vehicles (i.e., the *California Vehicle Code*) and those governing occupational noise control (i.e., Occupational Safety and Health Administration) are not applicable to planning efforts nor are these areas typically subject to CEQA analysis. Thus, these regulatory guidelines are not included in this analysis. The following is State of California and state agency regulation that has been deemed applicable to this project.

Title 24

In 1974, the California Commission on Housing and Community Development adopted noise insulation standards for residential buildings (*CCR Title 24*, Part 2, Chapter 12, Section 1207.11.2). *Title 24* establishes standards for interior room noise attributable to outside noise sources. *Title 24* also specifies that acoustical studies should be prepared whenever a residential building or structure is proposed to be located in areas with exterior noise levels 60 dB Ldn or greater. The acoustical analysis must show that the building has been designed to limit intruding noise to an interior level not exceeding 45 dB Ldn for any habitable room.

Governor's Office of Planning and Research

The State of California General Plan Guidelines, published by the State Governor's Office of Planning and Research (OPR), provides guidance for the acceptability of specific land use types within areas of specific noise exposure. *Table 5.7-2*, *Land Use Compatibility for Community Noise Environments*, presents guidelines for determining acceptable and unacceptable community noise exposure limits for various land use categories. The guidelines also present adjustment factors that may be used to arrive at noise acceptability standards that reflect the noise control goals of the community, the particular community's sensitivity to noise, and the community's assessment of the relative importance of noise pollution. OPR guidelines are advisory in nature. Local jurisdictions, including the City of Murrieta, have the responsibility to set specific noise standards based on local conditions.

Table 5.7-2
Land Use Compatibility for Community Noise Environments

Land Use Category	Community Noise Exposure (CNEL)			
	Normally Acceptable	Conditionally Acceptable	Normally Unacceptable	Clearly Unacceptable
Residential-Low Density, Single-Family, Duplex, Mobile Homes	50 - 60	55 - 70	70 – 75	75 – 85
Residential – Multiple Family	50 – 65	60 – 70	70 – 75	70 – 85
Transient Lodging – Motel, Hotels	50 – 65	60 – 70	70 – 80	80 – 85
Schools, Libraries, Churches, Hospitals, Nursing Homes	50 – 70	60 – 70	70 – 80	80 – 85
Auditoriums, Concert Halls, Amphitheaters	NA	50 – 70	NA	65 – 85
Sports Arenas, Outdoor Spectator Sports	NA	50 – 75	NA	70 – 85
Playgrounds, Neighborhood Parks	50 – 70	NA	67.5 – 77.5	72.5 – 85
Golf Courses, Riding Stables, Water Recreation, Cemeteries	50 – 70	NA	70 – 80	80 – 85
Office Buildings, Business Commercial and Professional	50 – 70	67.5 – 77.5	75 – 85	NA
Industrial, Manufacturing, Utilities, Agriculture	50 – 75	70 – 80	75 – 85	NA

CNEL = community noise equivalent level; NA = not applicable

NORMALLY ACCEPTABLE: Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction, without any special noise insulation requirements.

CONDITIONALLY ACCEPTABLE: New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features have been included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning, will normally suffice.

NORMALLY UNACCEPTABLE: New construction or development should be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise-insulation features must be included in the design.

CLEARLY UNACCEPTABLE: New construction or development should generally not be undertaken.

Source: Office of Planning and Research, California, *General Plan Guidelines*, October 2003.

LOCAL

City of Murrieta Noise Element

The State of California has mandated that local governments prepare a noise element as part of their general plans. The Noise Element of the proposed General Plan 2035 will be the guiding document for the City's noise policy and contains various goals and accompanying policies and objectives designed to protect residents and businesses from excessive and persistent noise intrusions. The Noise Element will describe the existing noise environment, goals and policies, as well as State noise regulations and airport land use guidelines for noise compatibility.

City of Murrieta Development Code

The City of Murrieta's regulations with respect to noise are included in Chapter 16.30 of the *Development Code*, also known as the *Noise Ordinance*. Construction-related and operational noise restrictions are discussed below:

Construction Noise. Section 16.30.130 of the City of Murrieta *Noise Ordinance* regulates construction noise. The *Noise Ordinance* prohibits noise generated by construction activities between the hours of 7:00 PM and 7:00 AM and on Sundays and holidays. Construction activities shall not be conducted in a manner that the maximum noise levels at the affected structures will not exceed those listed in *Table 5.7-3*, *City of Murrieta Construction Noise Standards*.

Table 5.7-3
City of Murrieta Construction Noise Standards

	Single-Family Residential	Multi-Family Residential	Commercial
Mobile Equipment			
Daily, except Sundays and holidays, 7:00 AM to 8:00 PM	75 dBA	80 dBA	85 dBA
Daily, except Sundays and holidays, 8:00 PM to 7:00 AM	60 dBA	64 dBA	70 dBA
Stationary Equipment			
Daily, except Sundays and holidays, 7:00 AM to 8:00 PM	60 dBA	65 dBA	70 dBA
Daily, except Sundays and holidays, 8:00 PM to 7:00 AM	50 dBA	55 dBA	60 dBA
Source: City of Murrieta, *City of Murrieta Development Code Section 16.30.130*.			

Operational Noise. Within the City of Murrieta, the *Noise Ordinance* governs operational noise generated between two properties and does not regulate noise from transportation sources, such as traffic, aircraft, and railways. Section 16.30.090 of the *Noise Ordinance* establishes the exterior noise standards for all receptor properties within a designated noise zone. The City's exterior noise level limits between properties are presented in *Table 5.7-4*, *City of Murrieta Exterior and Interior Noise Limits*.

Table 5.7-4
City of Murrieta Exterior and Interior Noise Limits

Noise Zone	Land Use (Receptor Property)	Time Period	Allowed Exterior Noise Level (dBA)
Exterior Noise Limits			
I	Noise-sensitive area	Anytime	45
II	Residential properties	10:00 PM to 7:00 AM	45
		7:00 AM to 10:00 PM	50
	Residential properties within 500 feet of a kennel(s)	7:00 AM to 10:00 PM	70
III	Commercial properties	10:00 PM to 7:00 AM	55
		7:00 AM to 10:00 PM	60
IV	Industrial properties	Anytime	70
Interior Noise Limits			
All noise zones	Multi-family residential	10:00 PM to 7:00 AM	40
		7:00 AM to 10:00 PM	45

Source: City of Murrieta, *City of Murrieta Development Code Section 16.30.090*.

Section 16.30.090(B) of the *Development Code* further restricts noise levels. Section 16.30.090(B) states, in part:

> *No person shall operate or cause to be operated. any source of sound at any location within the city or allow the creation of any noise on property owned, leased, occupied or otherwise controlled by a person that causes the noise level, when measured on any other property to exceed the following exterior noise standards:*
>
> > *Standard No. 1 shall be the exterior noise level which shall not be exceeded for a cumulative period of more than thirty (30) minutes in any hour. Standard No. 1 may be the applicable noise level from Table 3-6 above.*
> >
> > *Standard No. 2 shall be the exterior noise level which shall not be exceeded for a cumulative period of more than fifteen (15) minutes in any hour. Standard No. 2 shall be the applicable noise level from Table 3-6 above, plus five dB.*

Standard No. 3 shall be the exterior noise level which shall not be exceeded for a cumulative period of more than five minutes in any hour. Standard No. 3 shall be the applicable noise level from Table 3-6 above plus ten dB.

Standard No. 4 shall be the exterior noise level which shall not be exceeded for a cumulative period of more than one minute in any hour. Standard No. 4 shall be the applicable noise level from Table 3-6 above plus fifteen (15) dB.

Standard No. 5 shall be the exterior noise level which shall not be exceeded for any period of time. Standard No. 5 shall be the applicable noise level from Table 3-6 above plus twenty (20) dB.

Section 16.30.100 sets forth interior noise levels limits for multi-family residential properties, as stated in *Table 5.7-4*. Section 16.30.100 states, in part:

> No person shall operate or cause to be operated within a residential unit any source of sound, or allow the creation of any noise, that causes the noise level when measured inside a neighboring receiving residential unit to exceed the following standards:
>
> > Standard No. 1. The applicable interior noise level for cumulative period of more than five minutes in any hour;
> >
> > Standard No. 2. The applicable interior noise level plus five dB for a cumulative period of more than one minute in any hour; or
> >
> > Standard No. 3. The applicable interior noise level plus ten dB for any period of time.

5.7.2 ENVIRONMENTAL SETTING

Human response to sound is highly individualized. Annoyance is the most common issue regarding community noise. The percentage of people claiming to be annoyed by noise generally increases with the environmental sound level. However, many factors also influence people's response to noise. The factors can include the character of the noise, the variability of the sound level, the presence of tones or impulses, and the time of day of the occurrence. Additionally, non-acoustical factors, such as the person's opinion of the noise source, the ability to adapt to the noise, the attitude towards the source and those associated with it, and the predictability of the noise, all influence people's response. As such, response to noise varies widely from one person to another and with any particular noise, individual responses will range from "not annoyed" to "highly annoyed."

When the noise level of an activity rises above 70 dBA, the chance of receiving a complaint is possible, and as the noise level rises, dissatisfaction among the public steadily increases. However, an individual's reaction to a particular noise depends on many factors, such as the

source of the sound, its loudness relative to the background noise, and the time of day. The reaction to noise can also be highly subjective; the perceived effect of a particular noise can vary widely among individuals in a community.

The effects of noise are often only transitory, but adverse effects can be cumulative with prolonged or repeated exposure. The effects of noise on the community can be organized into six broad categories:

1. Noise-Induced Hearing Loss
2. Interference with Communication
3. Effects of Noise on Sleep
4. Effects on Performance and Behavior
5. Extra-Auditory Health Effects
6. Annoyance

Noise-Induced Hearing Loss. Although it often causes discomfort and sometimes pain, noise-induced hearing loss usually takes years to develop. Noise-induced hearing loss can impair the quality of life through a reduction in the ability to hear important sounds and to communicate with family and friends. Hearing loss is one of the most obvious and easily quantified effects of excessive exposure to noise. While the loss may be temporary at first, it could become permanent after continued exposure. When combined with hearing loss associated with aging, the amount of hearing loss directly caused by the environment is difficult to quantify. Although the major cause of noise-induced hearing loss is occupational, substantial damage can be caused by non-occupational sources. According to the United States Public Health Service, nearly ten million of the estimated 21 million Americans with hearing impairments owe their losses to noise exposure.

Interference with Communication. Noise can mask important sounds and disrupt communication between individuals in a variety of settings. This process can cause anything from a slight irritation to a serious safety hazard, depending on the circumstance. Noise can disrupt face-to-face communication and telephone communication, and the enjoyment of music and television in the home. It can also disrupt effective communication between teachers and pupils in schools, and can cause fatigue and vocal strain in those who need to communicate in spite of the noise. Interference with communication has proved to be one of the most important components of noise-related annoyance.

Effects of Noise on Sleep. Noise-induced sleep interference is one of the critical components of community annoyance. Sound level, frequency distribution, duration, repetition, and variability can make it difficult to fall asleep and may cause momentary shifts in the natural sleep pattern, or level of sleep. It can produce short-term adverse effects on mood changes and job performance, with the possibility of more serious effects on health if it continues over long periods. Noise can cause adverse effects on task performance and behavior at work, and non-occupational and social settings. These effects are the subject of some controversy, since the presence and degree of

effects depends on a variety of intervening variables. Most research in this area has focused mainly on occupational settings, where noise levels must be sufficiently high and the task sufficiently complex for effects on performance to occur.

Effects on Performance and Behavior. Recent research indicates that more moderate noise levels can produce disruptive after-effects, commonly manifested as a reduced tolerance for frustration, increased anxiety, decreased incidence of "helping" behavior, and increased incidence of "hostile" behavior.

Extra-Auditory Health Effects. Noise has been implicated in the development or exacerbation of a variety of health problems, ranging from hypertension to psychosis. As with other categories, quantifying these effects is difficult due to the amount of variables that need to be considered in each situation. As a biological stressor, noise can influence the entire physiological system. Most effects seem to be transitory, but with continued exposure some effects have been shown to be chronic in laboratory animals.

Annoyance. Annoyance can be viewed as the expression of negative feelings resulting from interference with activities, as well as the disruption of one's peace of mind and the enjoyment of one's environment. Field evaluations of community annoyance are useful for predicting the consequences of planned actions involving highways, airports, road traffic, railroads, or other noise sources. The consequences of noise-induced annoyance are privately held dissatisfaction, publicly expressed complaints to authorities, and potential adverse health effects, as discussed above. In a study conducted by the United States Department of Transportation, the effects of annoyance to the community were quantified. In areas where noise levels were consistently above 60 dBA CNEL, approximately nine percent of the community is highly annoyed. When levels exceed 65 dBA CNEL, that percentage rises to 15 percent. Although evidence for the various effects of noise have differing levels of certainty, it is clear that noise can affect human health. Most of the effects are, to a varying degree, stress related.

SOURCES OF NOISE

Mobile Sources

FREEWAYS AND STREETS

The roadways within the City that generate the most traffic noise from vehicle and truck traffic include the major north-south trending I-15 and I-215 due to higher traffic volumes and vehicle speeds than other roadways. Major east-west arterials that generate significant noise include Jefferson Avenue and Washington Avenue. Major north-south arterials generating traffic noise include Clinton Keith Road, Kalmia Street/California Oaks Road, and Murrieta Hot Springs Road.

Vehicular noise along major roadways was modeled to estimate existing noise levels from mobile traffic. The existing and future roadway noise levels were projected using the FHWA Traffic Noise Prediction Model (RD-77-108), together with several roadway and site parameters. The FHWA model is based upon reference energy mean emission levels (REMELS) for automobiles, medium trucks (two axles) and heavy trucks (three or more axles), with consideration given to vehicle volume, speed, roadway configuration, distance to the receiver, and the acoustical characteristics of the site. To predict CNEL values, it is necessary to determine the hourly distribution of traffic for a typical day and adjust the traffic volume input data to yield an equivalent hourly traffic volume. The California Vehicle Noise (Calveno) traffic noise emission curves are used as recommended by the California Department of Transportation (Caltrans) to more accurately calculate noise levels generated by traffic in California.

Traffic volumes used in the FHWA model were obtained from Iteris (January 2011). These traffic inputs determine the projected impact of vehicular traffic noise and include the roadway cross-section (e.g., number of lanes), roadway width, average daily traffic (ADT), vehicle travel speed, percentages of automobile and truck traffic, roadway grade, angle of view, and site conditions (hard or soft). The model does not account for ambient noise levels (i.e., noise from adjacent land uses) or topographical differences between the roadway and adjacent land uses. *Exhibit 5.7-2*, *Existing Roadway Noise Contours* and *Table 5.7-5*, *Existing Roadway Noise Levels*, indicates the location of the 60-, 65-, and 70-CNEL noise contours associated with vehicular traffic along local roadways as modeled with the FHWA computer model.

Table 5.7-5
Existing Roadway Noise Levels

Roadway Segment	Existing				
	ADT	dBA @ 100 Feet from Roadway Centerline	Distance from Roadway Centerline to: (Feet)		
			60 CNEL Noise Contour	65 CNEL Noise Contour	70 CNEL Noise Contour
Clinton Keith Road					
Southwest City Limits to Calle del Oso Oro	9,100	63.9	283	90	28
Calle del Oso Oro to Grand Avenue	11,100	65.9	448	142	45
Grand Avenue to Nutmeg Street	19,000	67.0	591	187	59
Nutmeg Street to Murrieta Oaks Road	27,300	68.6	848	268	85
Murrieta Oaks Road to I-215	27,040	68.6	842	266	84
I-215 to Antelope Road	5,281	58.9	91	29	9
Antelope Road to Meadowlark Road/Whitewood Lane	13,000	62.9	224	71	22
Calle del Oso Oro					
Clinton Keith Road to Calle Cipres	4,200	59.3	98	31	10
Calle Cipres to Washington Avenue	11,400	63.7	267	85	27
Nutmeg Street					
Washington Avenue to Adams Avenue	5,900	60.9	138	44	14

Table 5.7-5 [continued]
Existing Roadway Noise Levels

Roadway Segment	Existing				
	ADT	dBA @ 100 Feet from Roadway Centerline	Distance from Roadway Centerline to: (Feet)		
			60 CNEL Noise Contour	65 CNEL Noise Contour	70 CNEL Noise Contour
Adams Street to Jefferson Avenue	5,900	60.8	138	44	14
Jefferson Avenue to Jackson Avenue	9,300	62.8	218	69	22
Jackson Avenue to Clinton Keith Road	10,900	64.7	339	107	34
Lemon Street					
Washington Avenue to Adams Avenue	3,300	58.7	77	24	8
Adams Avenue to Jefferson Avenue	4,200	59.7	98	31	10
Kalmia Street					
Hayes Avenue to Washington Avenue	1,500	55.2	35	11	4
Washington Avenue to Adams Avenue	15,400	66.3	479	151	48
Adams Avenue to Jefferson Avenue	20,600	67.6	640	202	64
Jefferson Avenue to Madison Avenue	25,500	68.3	793	251	79
Madison Avenue to I-15	35,300	69.7	1,098	347	110
California Oaks Road					
I-15 to Monroe Avenue	29,500	68.8	918	290	92
Monroe Avenue to Jackson Avenue	29,200	68.7	908	287	91
Jackson Avenue to Hancock	24,900	67.0	584	185	58
Hancock to Clinton Keith Road	15,100	66.1	470	149	47
Ivy Street					
Hayes Street to Washington Avenue	900	48.7	8	2	1
Washington Avenue to Adams Avenue	8,900	63.9	277	88	28
Adams Avenue to Jefferson Avenue	9,500	64.2	295	93	30
Jefferson Avenue to Madison Avenue	11,300	64.8	351	111	35
Los Alamos Road					
Madison Avenue to Lincoln Avenue	10,400	64.5	324	102	32
Lincoln Avenue to Hancock Avenue	19,000	67.0	591	187	59
Hancock Avenue to I-215	19,200	67.1	597	189	60
I-215 to Whitewood Lane	23,000	66.6	538	170	54
Whitewood Lane to Ruth Ellen Way	3,800	59.3	89	28	9
Murrieta Hot Springs Road					
Jefferson Avenue to Madison Avenue	18,285	67.1	568	180	57
Madison Avenue to I-15	42,600	70.2	1,325	419	132
I-15 to I-215	65,100	71.9	2,022	639	202
I-215 to Alta Murrieta Drive	74,500	72.9	2,315	732	231
Alta Murrieta Drive to Jackson Avenue	48,000	71.0	1,492	472	149
Jackson Avenue to Whitewood Road	43,263	70.5	1,347	426	135
Whitewood Road to Margarita Road	51,200	71.3	1,591	503	159
Margarita Road to Eastern City Limits	40,000	70.2	1,244	393	124

Table 5.7-5 [continued]
Existing Roadway Noise Levels

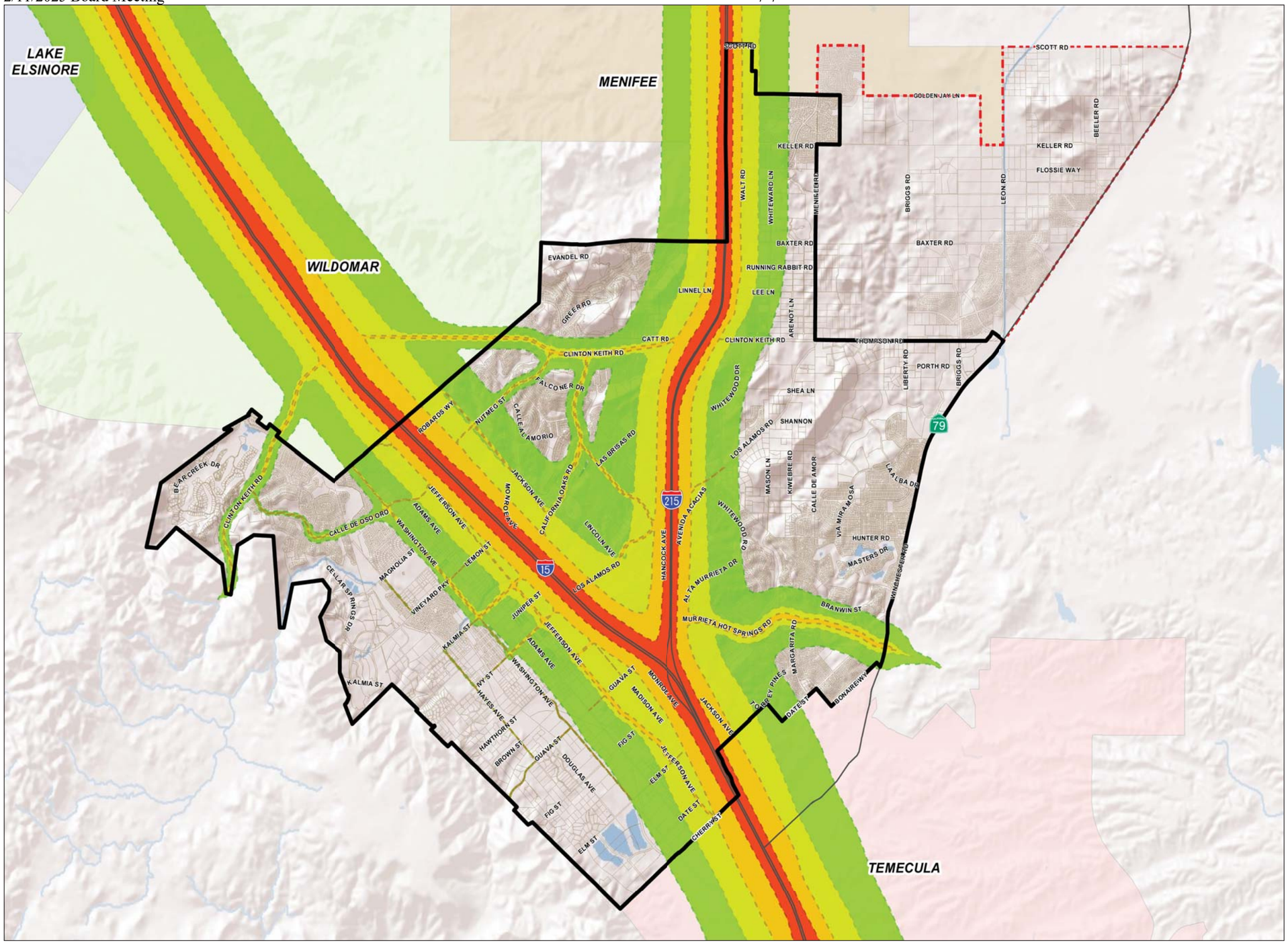
Roadway Segment	Existing				
	ADT	dBA @ 100 Feet from Roadway Centerline	Distance from Roadway Centerline to: (Feet)		
			60 CNEL Noise Contour	65 CNEL Noise Contour	70 CNEL Noise Contour
Guava Street					
West of Hayes Avenue	500	49.2	9	3	1
Hayes Avenue to Douglas Avenue	700	50.5	12	4	1
Douglas Avenue to Washington Avenue	1,200	53.0	21	7	2
Adams Avenue to Jefferson Avenue	2,100	55.4	36	11	4
Jefferson Avenue to Madison Avenue	3,100	57.1	53	17	5
Madison Avenue to Monroe Avenue	200	45.2	3	1	0
Elm Street					
Adams Avenue to Madison Avenue	2,500	55.9	43	14	4
Hayes Avenue					
Nighthawk Way to Vineyard Parkway	1,900	54.8	33	10	3
Kalmia Street to Ivy Street	1,900	56.3	45	14	4
Ivy Street to Hawthorne Street	1,300	50.3	11	4	1
Hawthorne Street to Guava Street	700	50.5	12	4	1
Washington Avenue					
North of Calle del Oso Oro	10,000	63.2	234	74	23
Calle del Oso Oro to Nighthawk Way/Magnolia Street	14,300	64.8	335	106	34
Nighthawk Way/Magnolia Street to Vineyard Parkway	12,600	64.2	295	93	30
Vineyard Parkway to Kalmia Street	20,800	66.2	488	154	49
Kalmia Street to Ivy Street	8,300	58.3	71	23	7
Ivy Street to Hawthorne Street	1,400	53.6	24	8	2
South of Hawthorne Street	1,300	53.3	22	7	2
Jefferson Avenue					
North of Nutmeg Street	10,000	64.7	311	98	31
Nutmeg Street to Magnolia Street	9,000	62.8	211	67	21
Magnolia Street to Lemon Street	10,000	64.6	311	98	31
Lemon Street to Kalmia Street	11,200	65.0	348	110	35
Kalmia Street to Ivy Street	17,900	66.8	557	176	56
Ivy Street to Murrieta Hot Springs Road	12,000	65.1	373	118	37
Murrieta Hot Springs Road to Guava Street	27,800	68.7	864	273	86
Guava Street to Fig Street	28,000	69.9	1,131	358	113
Fig Street to Elm Street	29,000	70.1	1,172	371	117
South of Elm Street	20,736	67.4	644	204	64
Madison Avenue					
Kalmia Street to Ivy Street/Los Alamos Road	14,914	67.1	602	190	60
Ivy Street/Los Alamos Road to Murrieta Hot Springs Road	24,100	68.1	749	237	75

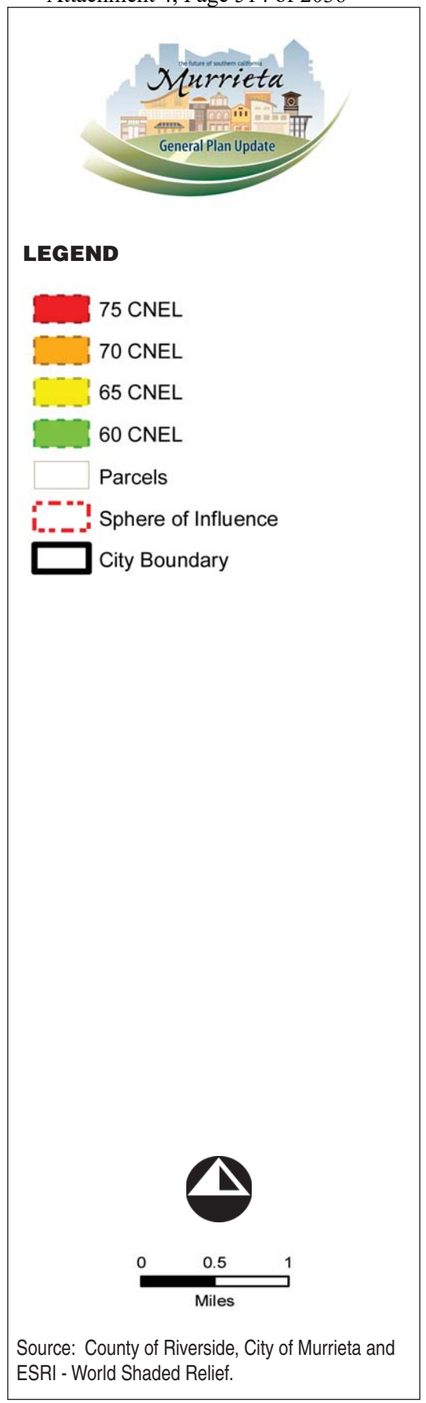
Table 5.7-5 [continued]
Existing Roadway Noise Levels

Roadway Segment	Existing				
	ADT	dBA @ 100 Feet from Roadway Centerline	Distance from Roadway Centerline to: (Feet)		
			60 CNEL Noise Contour	65 CNEL Noise Contour	70 CNEL Noise Contour
Murrieta Hot Springs Road to Guava Street	3,400	54.5	29	9	3
Jackson Avenue					
North of Nutmeg Street	7,100	61.7	167	53	17
Nutmeg Street to Monroe Avenue	14,900	64.9	349	110	35
Monroe Avenue to California Oaks Road	14,900	64.8	349	110	35
Hancock Avenue					
California Oaks Road to Las Brisas Road	14,700	64.7	345	109	34
Las Brisas Road to Los Alamos Road	19,550	66.0	458	145	46
Los Alamos Road to Murrieta Hot Springs Road	19,500	66.0	457	144	46
I-15					
City Boundary to Nutmeg Street	124,000	79.0	11,989	3,791	1,199
Nutmeg Street to Kalmia Street	124,000	79.0	11,989	3,791	1,199
Kalmia Street Los Alamos Road	127,000	79.1	12,268	3,879	1,227
Los Alamos Road to I-215	127,000	79.1	12,268	3,879	1,227
I-215 to Cherry Street	186,000	80.8	18,005	5,694	1,801
I-215					
Scott Road to Los Alamos Road	89,000	77.3	7,074	2,237	707
Los Alamos Road to Murrieta Hot Springs Road	91,000	78.3	8,803	2,784	880
Murrieta Hot Springs Road to I-15	83,000	77.9	8,024	2,537	802
ADT = average daily trips; dBA = A-weighted decibels; CNEL = community noise equivalent level					
Source: Traffic noise modeling is based on traffic data provided by Iteris, January 2011.					

As shown in *Table 5.7-5*, the existing noise levels adjacent to City roadways range from a low of 45.2 CNEL along Guava Street from Madison Avenue to Monroe Avenue to a high of 72.9 CNEL along Murrieta Hot Springs Road from I-215 to Alta Murrieta Drive.

Under existing conditions, very few areas (seven segments along Murrieta Hot Springs Road) within the City experience traffic noise levels in excess of 70 CNEL. The 70 dBA contour along these roadway links extends to a maximum of 231 feet from the roadway centerline. However, many of the City's commercial areas experience noise levels in excess of 65 CNEL adjacent to major arterial roadways and freeway rights-of-way. Residences located within this area may experience unacceptable noise levels. It should be noted that these are modeled traffic noise levels, and are not based upon actual site measurements.





Source: County of Riverside, City of Murrieta and ESRI - World Shaded Relief.

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Existing Roadway Noise Contours

Exhibit 5.7-2

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Freeways typically result in greater noise levels than other roadways due to higher traffic volumes and vehicle speeds. As depicted on *Exhibit 5.7-2*, I-15 and I-215 both traverse the City and represent a primary source of traffic noise. The following describes the traffic volumes and general characteristics of the freeways within the City.

- ***Interstate 15.*** I-15 is a major regional transportation corridor that serves as the backbone of the transportation system connecting the major urban centers of San Diego County and San Bernardino County, while passing through the western portion of Riverside County. Based on traffic data from Iteris, ADT along the segments of I-15 that pass through Murrieta ranges from approximately 124,000 to 186,000 for both northbound and southbound traffic.

- ***Interstate 215.*** I-215 is a major regional transportation corridor that serves as the backbone of the transportation system connecting western Riverside County to the major urban center of San Bernardino County. Based on traffic data from Iteris, ADT along the segments of I-215 that pass through Murrieta ranges from approximately 83,000 to 91,000 for both northbound and southbound traffic.

AIRCRAFT

Noise exposure contours around airports are determined from the number and type of aircraft using the airport, the magnitude and duration of each fly over, flight paths, and the time of day when flights occur. The Airport Noise Standards contained in Title 4 of the *California Administrative Code* specify that airports shall not permit noise exposures of 65 CNEL or greater to extend into residential or school areas. The State Aeronautics Act specifies 65 dB CNEL as the criterion which airports must meet to protect existing residential communities from unacceptable exterior exposures to aircraft noise. The exterior maximum of 65 CNEL is given as the level deemed acceptable to a reasonable person residing in urban residential areas where houses are of typical California construction and may have windows partially open.

There is one source of air traffic affecting noise levels within the City of Murrieta; the French Valley (Rancho California) Airport, located outside the City's sphere of influence. Aircraft flyovers are heard occasionally in the City; however, the aircraft do not contribute a significant amount of noise heard in the City. The Riverside County Airport Land Use Commission has prepared a *Comprehensive Land Use Plan* for the French Valley Airport (CLUP), which experiences an average of 506 daily operations. The CLUP indicates only a few parcel on the City's eastern boundary close to SR-79 are within the 55 CNEL noise level contour; the remainder of the 55 CNEL noise level contour is located outside of Murrieta's City boundary. The CLUP also designates portions of the City as being located within Compatibility Zones B1, C, D, and E, all of which require certain land use restrictions.

RAILWAYS

There are no railroads traversing the City; therefore, railroad noise does not currently present annoyance within the City. It should be noted that opportunities to pursue future light rail transit and high speed rail are planned for the future of the City, which would create a new source of mobile noise.

Stationary Sources

The most common sources of stationary noise within the City consist of construction activities, and commercial and industrial uses. Commercial and industrial land uses located near residential areas currently generate occasional noise impacts. Residential land uses and areas identified as noise-sensitive must be protected from excessive noise from stationary sources including commercial and industrial centers. These impacts are best controlled through effective land use planning and application of the City's *Noise Ordinance*.

CONSTRUCTION

Construction noise is one of the most common stationary noise sources in the City. The use of pile drivers, drills, trucks, pavers, graders, and a variety of other equipment can result in short, sporadic elevated noise levels. Although construction noise impacts are generally short-term in nature, it can often disturb nearby sensitive uses.

COMMERCIAL

Commercial uses within the City are generally located along the I-15 and I-215 corridors, as well as other major roadways such as Jefferson Avenue, Madison Avenue, and Murrieta Hot Springs Road. The primary noise sources associated with these facilities are caused by delivery trucks, air compressors, generators, outdoor loudspeakers, and gas venting. Residential, institutional, and park uses are located adjacent to several commercial areas of the City. Commercial operations may cause annoyance to these nearby sensitive receptors.

INDUSTRIAL

The primary noise sources associated with these facilities are caused by mechanical equipment, loading and unloading of vehicles and trucks, and amplified communication. Industrial noise is generally limited to the immediate source area and only impacts sensitive receptors if there is an incompatible mix of land uses in the vicinity of the industrial facility. Therefore, proper planning, zoning, and enforcement of the *Noise Ordinance* are important factors in limiting the amount of disturbance to sensitive receptors from industrial noise sources.

SENSITIVE RECEPTORS

Sensitive populations are more susceptible to the effects of noise and air pollution than are the general population. Land uses considered sensitive by the State of California include schools, playgrounds, athletic facilities, hospitals, rest homes, rehabilitation centers, long-term care and mental care facilities. Some jurisdictions also consider day care centers, single-family dwellings, mobile home parks, churches, and libraries to be sensitive to noise. Generally, a sensitive receptor is identified as a location where human populations (especially children, senior citizens, and sick persons) are present, and where there is a reasonable expectation of continuous human exposure to noise.

Land uses less sensitive to noise are business, commercial, and professional developments. Noise receptors categorized as being least sensitive to noise include industrial, manufacturing, utilities, agriculture, natural open space, undeveloped land, parking lots, motorcycle parks, rifle ranges, warehousing, liquid and solid waste facilities, salvage yards, and transit terminals. These types of land uses often generate high noise levels. Moderately sensitive land uses typically include: multi-family dwellings, hotels, motels, dormitories, and outpatient clinics. Current land uses located within the City of Murrieta that are sensitive to intrusive noise include residential uses (particularly those in the vicinity of I-15 and I-215), schools, hospitals (particularly The Golden Triangle Medical Center and Sharp Hospital), churches, and parks.

NOISE MEASUREMENT SITES

Noise measurements were taken throughout the City of Murrieta at 10 locations as illustrated in *Exhibit 5.7-3*, *Noise Measurement Locations*. Based upon the City's development patterns, the City was divided into Acoustical Analysis Zones (AAZ) to identify areas of homogenous acoustical conditions. Aerial imagery with a one-foot pixel resolution was utilized for a visual representation of the City's roadway and land use layout. In addition, the City's existing General Plan/Zoning map and proposed General Plan 2035 Focus Areas maps were utilized to determine the City's existing and proposed patterns of development.

The noise measurement locations were selected as a representative sample of the more urbanized portions of the City in order to identify ambient baseline levels. The noise measurements described in *Table 5.7-6*, *Noise Measurements*, were taken to identify ambient noise exposure in the City.

Noise levels at the selected sensitive receptor sites were measured by RBF Consulting on November 4, 2010, using a Brüel & Kjær model 2250 sound level meter (SLM) equipped with Brüel & Kjær pre-polarized freefield microphone, which meets standards of the American National Standards Institute (ANSI) for general environmental noise measurement instrumentation. Each measurement was for 10 minutes, and the sound meter was calibrated prior to noise monitoring.

Table 5.7-6
Noise Measurements

Site No.	Location	Leq (dBA)	Lmin (dBA)	Lmax (dBA)	Peak (dBA)	Date and Time[1]
1	Corner of Elm Street and Madison Avenue	52.7	41.8	68.5	9.,8	10:47 AM – 10:57 AM
2	Intersection of Arjay Drive and Estate Hill Way	41.9	33.1	57.8	79.0	11:21 AM – 11:31 AM
3	Intersection of Jefferson Avenue and Kalmia Street	58.4	49.6	72.3	102.0	11:52 AM – 12:02 PM
4	Cul-de-sac of Pomerado Court off of Douglas Avenue	51.3	41.9	72.1	89.4	12:16 PM – 12:26 PM
5	Cul-de-sac of Summit Park Center off of Vineyard Knoll Drive	49.9	35.7	71.0	89.9	12:45 PM – 12:55 PM
6	Cul-de-sac of Kilkare Circle off of Boldin Drive	47.8	40.4	64.1	87.7	1:30 PM – 1:40 PM
7	Intersection of Catalina Street and Chateau Drive	51.4	45.4	68.3	92.0	1:56 PM – 2:06 PM
8	Cul-de-sac of Kaelan Court off of Roland Road	47.1	38.7	65.7	94.9	3:10 PM – 3:20 PM
9	Cul-de-sac of Copperleaf Court off of Mimosa Drive	50.4	39.0	68.6	88.9	3:40 PM – 3:50 PM
10	Baxter Road off of Antelope Road (adjacent to Loma Linda Medical Center)	41.6	33.1	60.5	96.7	4:30 PM – 4:40 PM

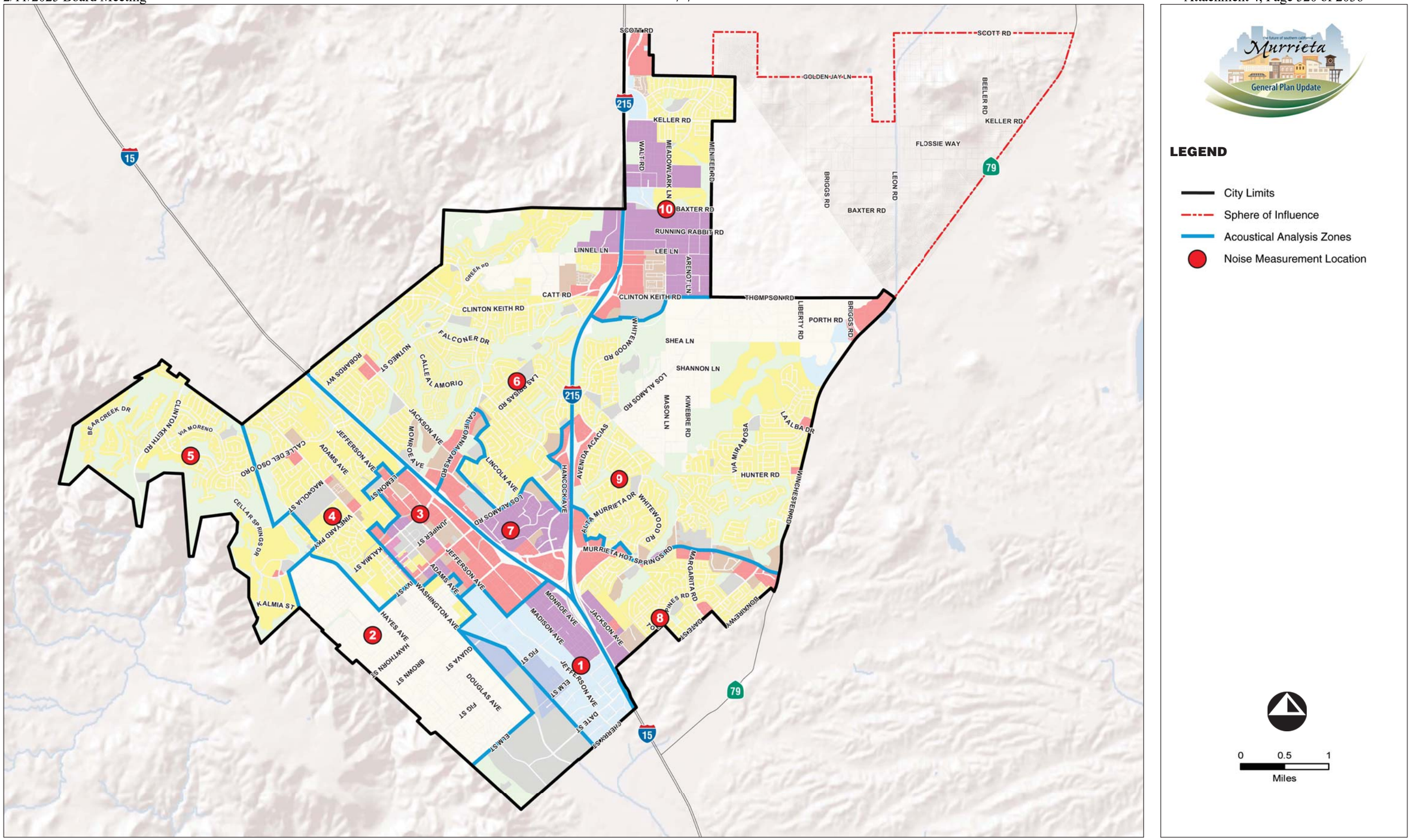
Leq = equivalent sound level; dBA = A-weighted decibel.

1 - Each 10-minute measurement was taken during non-peak traffic hours because free flowing traffic conditions yield higher noise levels, as opposed to rush hour traffic during peak hours when vehicle speeds and heavy truck volumes are low.

Source: RBF Consulting, November 4, 2010.

- ***Measurement Site 1*** was located at the corner of Elm Street and Madison Avenue. Sources of peak noise included vehicular noise from Elm Street, Madison Avenue, I-15, and I-215, an airplane, and truck horn. The noise level monitored at Site 1 was 52.7 dBA.

- ***Measurement Site 2*** was located at the intersection of Arjay Drive and Estate Hill Way. The monitored noise level was 41.9 dBA, with the majority of noise from traffic along Hayes Avenue, two airplanes, and a siren.



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Noise Measurement Locations

Exhibit 5.7-3

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- ***Measurement Site 3*** was located at the intersection of Jefferson Avenue and Kalmia Street. The monitored noise level was 58.4 dBA with peak noise from traffic along Jefferson Avenue and Kalmia Street, and vehicles in the City Hall parking lot.

- ***Measurement Site 4*** was located at the cul-de-sac of Pomerado Court off of Douglas Avenue. Sources of peak noise included traffic along Douglas Avenue and an overhead aircraft. The monitored noise level was 51.3 dBA.

- ***Measurement Site 5*** was located at the cul-de-sac of Summit Park Center off of Vineyard Knoll Drive. The monitored noise level was 49.9 dBA. The source of peak noise included traffic along Clinton Keith Road and landscaping activities.

- ***Measurement Site 6*** was located at the cul-de-sac of Kilkare Circle off of Boldin Drive. The monitored noise level was 51.4 dBA. Sources of peak noise were from traffic along Kilkare Circle and three airplanes.

- ***Measurement Site 7*** was located at the intersection of Catalina Street and Chateau Drive. Sources of peak noise included traffic along Catalina Street, I-15, and I-215, and a siren. The monitored noise level was 51.4 dBA.

- ***Measurement Site 8*** was located at the cul-de-sac of Kaelan Court off of Roland Road. Sources of peak noise included a helicopter and an airplane. The monitored noise level was 47.1 dBA.

- ***Measurement Site 9*** was located at the cul-de-sac of Copperleaf Court off of Mimosa Drive. Sources of peak noise included an airplane, trucks, and maintenance activities. The monitored noise level was 50.4 dBA.

- ***Measurement Site 10*** was located along Baxter Road off of Antelope Road, adjacent to the Loma Linda Medical Center. The monitored noise level was 41.6 dBA and peak noise included traffic along I-215 and Antelope Road, and two airplanes.

5.7.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, noise impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Expose persons to or generate noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.

- Expose persons to or generate excessive ground-borne vibration or ground-borne noise levels.
- Result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project.
- Result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project.
- For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, expose people residing or working in the project area to excessive noise levels.
- For a project within the vicinity of a private airstrip, expose people residing or working in the project area to excessive noise levels.

CUMULATIVE NOISE EXPOSURE

A project is considered to have a significant noise impact where it causes an adopted noise standard to be exceeded for the project site or for adjacent sensitive receptors. In addition to being concerned about the absolute noise level that might occur when a new source is introduced into an area, it is also important to consider the existing noise environment. In community noise assessments, it is "generally not significant" if no noise-sensitive sites are located within the project vicinity, or if permanent increases in community noise levels associated with implementation of the project would not exceed +3 dB at noise-sensitive locations in the project vicinity.[1] A limitation in using a single value to evaluate an impact related to a noise level increase would be the failure to account for the preexisting ambient noise environment to which a person has become accustomed. Studies assessing the percentage of people highly annoyed by changes in ambient noise levels indicate that when ambient noise levels are low, a greater change is needed to cause a response. As ambient noise levels increase, a lesser change in noise levels is required to elicit significant annoyance. The significance criteria listed in *Table 5.7-7, Significance of Changes in Cumulative Noise Exposure* are based on published guidance from the Federal Interagency Committee on Noise (FICON), the California Department of Transportation (Caltrans), and OPR, and considered to correlate well with human response to permanent changes in ambient noise levels.

[1] California Department of Transportation, *Technical Noise Supplement*, November 2009.

Table 5.7-7
Significance of Changes in Cumulative Noise Exposure

Ambient Noise Level Project (Ldn or CNEL)	Significant Impact Assumed to Occur if the Ambient Noise Level is Increased by:
< 60 dBA	5.0 dBA or more
> 60 dBA	3.0 dBA or more

Source:
California Department of Transportation, *Technical Noise Supplement*, November 2009.
Federal Interagency Committee on Noise, *Federal Agency Review of Selected Airport Noise Analysis Issues*, August 1992.

VIBRATION AND GROUNDBORNE NOISE IMPACTS

Vibration is the periodic oscillation of a medium or object with respect to a given reference point. Sources of vibration include natural phenomena (e.g., earthquakes, volcanic eruptions, sea waves, landslides) and those introduced by human activity (e.g., explosions, machinery, traffic, trains, construction equipment). Vibration sources may be continuous, (e.g., machinery) or transient in nature (e.g., explosions). Vibration levels can be depicted in terms of amplitude and frequency relative to displacement, velocity, or acceleration. Vibration amplitudes are commonly expressed in peak particle velocity (PPV) or root-mean-square (RMS) vibration velocity. PPV is defined as the maximum instantaneous positive or negative peak of a vibration signal. PPV is typically used in the monitoring of transient and impact vibration and has been found to correlate well to the stresses experienced by buildings. PPV and RMS vibration velocity are normally described in inches per second (in/sec). Although PPV is appropriate for evaluating the potential for building damage, it is not always suitable for evaluating human response. The response of the human body to vibration relates well to average vibration amplitude; therefore, vibration impacts on humans are evaluated in terms of RMS vibration velocity. Similar to airborne sound, vibration velocity can be expressed in decibel notation as vibration decibels (VdB). The logarithmic nature of the decibel serves to compress the broad range of numbers required to describe vibration.

CEQA states that the potential for any excessive groundborne noise and vibration levels must be analyzed; however, it does not define the term "excessive" vibration. Numerous public and private organizations and governing bodies have provided guidelines to assist in the analysis of groundborne noise and vibration The City's *Development Code* Section 16.30.130(K) prohibits the operation of any device that creates vibration above the City's established perception threshold of 0.01 in/sec over the range of one to 100 Hertz.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.7.4 PROJECT IMPACTS AND MITIGATION MEASURES

SHORT-TERM CONSTRUCTION NOISE

■ CONSTRUCTION-RELATED ACTIVITIES ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD GENERATE NOISE LEVELS IN EXCESS OF ESTABLISHED STANDARDS.

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Typical activities associated with construction are a highly noticeable temporary noise source. Noise from construction activities is generated by two primary sources: 1) the transport of workers and equipment to construction sites, and 2) the noise related to active construction equipment. These noise sources can be a nuisance to local residents and businesses or unbearable to sensitive receptors (i.e., residences, hospitals, senior centers, schools, day care facilities, etc.).

While implementation of the proposed General Plan 2035 would not directly result in new development within in the City, it would allow additional development, which would generate noise during construction activities. Although a large portion of the City is developed, approximately 36 percent of the City is currently vacant. Most construction would occur within the five Focus Areas targeted for land use in the proposed General Plan 2035. It is unlikely the City would experience intensive construction activity with implementation of the proposed General Plan 2035. Although the City has construction noise level standards, construction noise levels have not been modeled at this program level of analysis, as the extent and timing of future construction activities within the City are unknown at this time.

Proposed General Plan 2035 Goal N-4 would reduce noise levels from construction activities. Specifically, Policies N-4.1 through N-4.6 would ensure construction activity complies with the City's Noise Ordinance, limit the hours of construction in residential areas on Sundays and holidays, employ construction noise reduction methods when feasible (i.e., shutting off idling equipment, temporary acoustic barriers, staging equipment away from sensitive receptors), require municipal vehicles and equipment to comply with noise standards, and ensure acceptable noise levels in noise-sensitive areas. The City would require each future project to implement the proposed General Plan 2035 policies to reduce construction noise levels. Through the environmental review process for individual projects, additional mitigation may also be required to further reduce construction-related noise impacts to a less than significant level.

Compliance with and/or adherence to the City's *Noise Ordinance* and the proposed General Plan 2035 goals and policies would reduce short-term construction noise impacts to less than significant levels.

Goals and Policies in the Proposed General Plan 2035:

NOISE ELEMENT

Goal N-4 Reduced noise levels from construction activities.

Policies

N-4.1 Regulate construction activities to ensure construction noise complies with the City's Noise Ordinance.

N-4.2 Limit the hours of construction activity in residential areas to reduce intrusive noise in early morning and evening hours and on Sundays and holidays.

N-4.3 Employ construction noise reduction methods to the maximum extent feasible. These measures may include, but not limited to, shutting off idling equipment, installing temporary acoustic barriers around stationary construction noise sources, maximizing the distance between construction equipment staging areas and occupied sensitive receptor areas, and use of electric air compressors and similar power tools, rather than diesel equipment.

N-4.4 Encourage municipal vehicles and noise-generating mechanical equipment purchased or used by the City to comply with noise standards specified in the City's Municipal Code, or other applicable codes.

N-4.5 Allow exceedance of noise standards on a case-by-case basis for special circumstances including emergency situations, special events, and expedited development projects.

N-4.6 Ensure acceptable noise levels are maintained near schools, hospitals, convalescent homes, churches, and other noise-sensitive areas.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 and adherence to the City's Noise Ordinance are required.

Level of Significance After Mitigation: Not Applicable.

- **CONSTRUCTION-RELATED ACTIVITIES ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD GENERATE OR EXPOSE PERSONS OR STRUCTURES TO EXCESSIVE GROUNDBORNE VIBRATION.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Project construction can generate varying degrees of groundborne vibration, depending on the construction procedure and the construction equipment used. Operation of construction equipment generates vibrations that spread through the ground and diminish in amplitude with distance from the source. The effect on buildings located in the vicinity of a construction site often varies depending on soil type, ground strata, and construction characteristics of the receiver building(s). The results from vibration can range from no perceptible effects at the lowest vibration levels, to low rumbling sounds and perceptible vibration at moderate levels, to slight damage at the highest levels. Groundborne vibrations from construction activities rarely reach levels that damage structures.

The types of construction vibration impact include human annoyance and building damage. Human annoyance occurs when construction vibration rises significantly above the threshold of human perception for extended periods of time. Building damage can be cosmetic or structural. Ordinary buildings that are not particularly fragile would not experience any cosmetic damage (e.g., plaster cracks) at distances beyond 25 feet. This distance can vary substantially depending on the soil composition and underground geological layer between vibration source and receiver. In addition, not all buildings respond similarly to vibration generated by construction equipment. Construction activities that may occur as a result of implementing the proposed General Plan 2035 have the potential to generate low levels of groundborne vibration. *Table 5.7-8*, *Typical Vibration Levels For Construction Equipment*, identifies various vibration velocity levels for types of construction equipment that would operate within the City during construction.

Table 5.7-8
Typical Vibration Levels For Construction Equipment

Equipment	Approximate ground velocity in decibels at 25 feet (inches/second)	Approximate ground velocity in decibels at 50 feet (inches/second)
Pile Driver (impact)	104	98
Large Bulldozer	87	81
Loaded Trucks	86	80
Jackhammer	79	73
Small Bulldozer	58	52
Notes: Root mean square amplitude ground velocity in decibels (VdB) referenced to 1 micro-inch/second.		
Source: Federal Transit Administration, *Transit Noise and Vibration Impact Assessment*, May 2006.		

Similar to noise, groundborne vibration would attenuate at a rate of approximately 6 VdB per doubling of distance. The groundborne vibration generated during construction activities would primarily impact existing sensitive uses that are located adjacent to or within the vicinity of specific projects. Based upon the information provided in *Table 5.7-8*, vibration levels could reach up to 87 VdB for typical construction activities (and up to 104 VdB if pile driving activities were to occur) at sensitive uses located within 25 feet of construction. For sensitive uses that are located at or within 25 feet of potential project construction sites, sensitive receptors

at these locations may experience vibration levels during construction activities that exceed the FTA's vibration impact threshold of 85 VdB for human annoyance. The City's *Development Code* Section 16.30.130(K) prohibits the operation of any device that creates vibration above the City's established perception threshold of 0.01 inches/second over the range of one to 100 Hertz. Proposed General Plan 2035 Policies N-4.2 and N-4.3 also assist in the reduction of vibration impacts by limiting the hours of construction activity in residential areas and employing noise reduction methods that would also reduce vibration impacts to surrounding uses during construction.

With adherence to the City's *Noise Ordinance*, proposed General Plan 2035 goals and policies, and Mitigation Measure NOI-1, programmatic-level construction vibration impacts would be less than significant. Individual development projects would be reviewed for project-specific impacts during any required environmental review. If project-specific significant impacts are identified, applicable mitigation measures would be placed on the project as conditions of approval.

Goals and Policies in the Proposed General Plan 2035:

NOISE ELEMENT

Goal N-4 Reduced noise levels from construction activities.

Policies

N-4.2 Limit the hours of construction activity in residential areas to reduce intrusive noise in early morning and evening hours and on Sundays and holidays.

N-4.3 Employ construction noise reduction methods to the maximum extent feasible. These measures may include, but not limited to, shutting off idling equipment, installing temporary acoustic barriers around stationary construction noise sources, maximizing the distance between construction equipment staging areas and occupied sensitive receptor areas, and use of electric air compressors and similar power tools, rather than diesel equipment.

Mitigation Measures:

NOI-1 The City shall require future developments to implement the following measures to reduce the potential for human annoyance and architectural/structural damage resulting from elevated groundborne noise and vibration levels.

- Pile driving within a 50-foot radius of historic structures shall utilize alternative installation methods where possible (e.g., pile cushioning, jetting, predrilling, cast-in-place systems, resonance-free vibratory pile drivers).

- The preexisting condition of all designated historic buildings within a 50-foot radius of proposed construction activities shall be evaluated during a preconstruction survey. The preconstruction survey shall determine conditions that exist before construction begins for use in evaluating damage caused by construction activities. Fixtures and finishes within a 50-foot radius of construction activities susceptible to damage shall be documented (photographically and in writing) prior to construction. All damage shall be repaired back to its preexisting condition.

- Vibration monitoring shall be conducted prior to and during pile driving operations occurring within 100 feet of the historic structures. Every attempt shall be made to limit construction-generated vibration levels in accordance with Caltrans recommendations during pile driving and impact activities in the vicinity of the historic structures.

Level of Significance After Mitigation: Less Than Significant Impact.

LONG-TERM OPERATIONAL IMPACTS

■ FUTURE NOISE LEVELS ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD CONTRIBUTE TO AN EXCEEDANCE OF THE CITY'S NOISE STANDARDS RESULTING IN POTENTIAL NOISE IMPACTS TO SENSITIVE RECEPTORS.

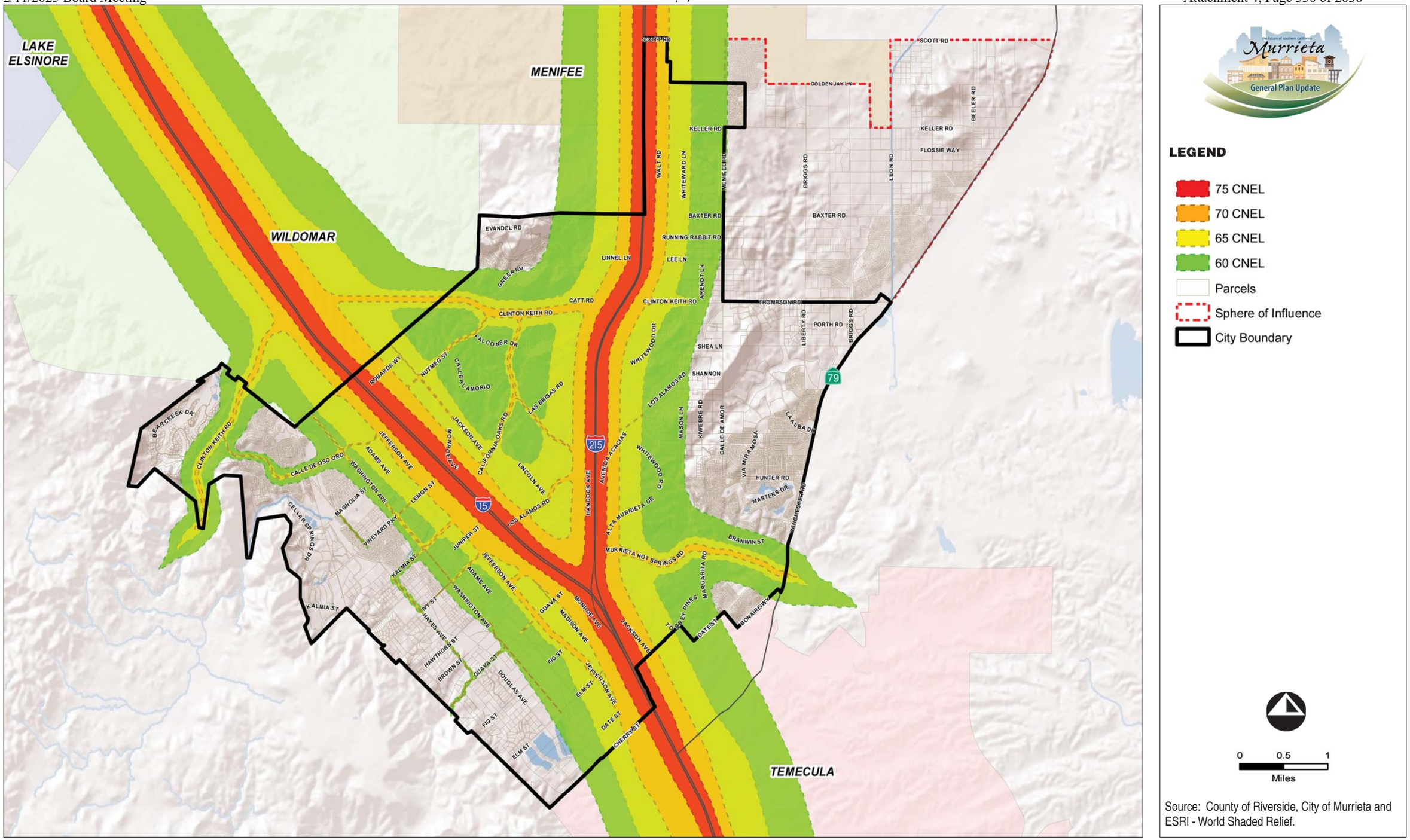
Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis:

MOBILE SOURCES

Traffic Noise

Implementation of the proposed General Plan 2035 would facilitate new development and within the City. Such development, primarily within the five Focus Areas targeted for land use change in the proposed General Plan 2035, would generate additional traffic, which would potentially increase ambient noise levels at existing land uses along roadways. *Exhibit 5.7-4*, *General Plan 2035 Roadway Noise Contours* and *Table 5.7-9*, *General Plan 2035 Roadway Noise Levels*, indicates forecast traffic noise levels associated with buildout under the Recommended General Plan Scenario. The following is a summary of the calculated traffic noise levels:



Source: County of Riverside, City of Murrieta and ESRI - World Shaded Relief.

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General Plan 2035 Roadway Noise Contours

Exhibit 5.7-4

Back of 11 x 17 Exhibit

- 24 modeled roadway segments (along Clinton Keith Road, Kalmia Street, California Oaks Road, Los Alamos Road, Murrieta Hot Springs Road, and Jefferson Avenue) (excluding freeway segments) would generate noise levels greater than 70 dBA CNEL at 100 feet from centerline.
- 25 segments (along Clinton Keith Road, Calle del Oso Oro, Nutmeg Street, Kalmia Street, California Oaks Road, Ivy Street, Los Alamos Road, Elm Street, Washington Avenue, Jefferson Avenue, Madison Avenue, Jackson Avenue, and Hancock Avenue) would generate noise levels between 65 dBA CNEL and 70 dBA CNEL at 100 feet from the centerline.
- 16 modeled roadway segments (along Calle del Oso Oro, Nutmeg Street, Lemon Street, Kalmia Street, Ivy Street, Elm Street, Hayes Avenue, and Washington Avenue) would generate noise levels between 60 dBA CNEL and 65 dBA CNEL at 100 feet from the centerline.
- 13 modeled roadway segments (along Ivy Street, Los Alamos Road, Guava Street, Hayes Avenue, and Washington Avenue) would generate noise levels below 60 dBA CNEL at 100 feet from the centerline.

The traffic noise levels presented represent an application of conservative traffic noise modeling methodologies, which assume no natural or artificial shielding from existing or proposed structures or topography. Actual traffic noise exposure levels at noise-sensitive receptors in the project vicinity would vary depending on a combination of factors such as variations in daily traffic volumes, shielding provided by existing and proposed structures, and meteorological conditions.

Table 5.7-9
General Plan 2035 Roadway Noise Levels

Roadway Segment	Year 2035				
	ADT	dBA @ 100 Feet from Roadway Centerline	Distance from Roadway Centerline to: (Feet)		
			60 CNEL Noise Contour	65 CNEL Noise Contour	70 CNEL Noise Contour
Clinton Keith Road					
Southwest City Limits to Calle del Oso Oro	33,600	69.5	1,045	330	104
Calle del Oso Oro to Grand Avenue	25,600	69.5	1,034	327	103
Western City Limits to Nutmeg Street	56,000	71.7	1,740	550	174
Nutmeg Street to Murrieta Oaks Road	82,900	73.4	2,580	816	258
Murrieta Oaks Road to I-215	79,000	73.3	2,455	776	246
I-215 to Antelope Road	70,200	70.2	1,211	383	121
Antelope Road to Meadowlark Lane/Whitewood Road	60,700	69.5	1,046	331	105
Calle del Oso Oro					
Clinton Keith Road to Calle Cipres	10,200	63.2	239	76	24
Calle Cipres to Washington Avenue	19,800	66.1	464	147	46

Table 5.7-9 [continued]
General Plan 2035 Roadway Noise Levels

Roadway Segment	Year 2035				
	ADT	dBA @ 100 Feet from Roadway Centerline	Distance from Roadway Centerline to: (Feet)		
			60 CNEL Noise Contour	65 CNEL Noise Contour	70 CNEL Noise Contour
Nutmeg Street					
Washington Avenue to Adams Avenue	12,800	64.3	300	95	30
Adams Street to Jefferson Avenue	13,200	64.3	309	98	31
Jefferson Avenue to Jackson Avenue	14,200	64.6	333	105	33
Jackson Avenue to Clinton Keith Road	15,200	66.1	473	149	47
Lemon Street					
Washington Avenue to Adams Avenue	6,300	61.5	148	47	15
Adams Avenue to Jefferson Avenue	12,100	64.3	284	90	28
Kalmia Street					
Hayes Avenue to Washington Avenue	8,200	62.6	192	61	19
Washington Avenue to Adams Avenue	18,800	67.2	585	185	59
Adams Avenue to Jefferson Avenue	28,400	69.0	883	279	88
Jefferson Avenue to Madison Avenue	49,300	71.2	1,532	485	153
Madison Avenue to I-15	54,500	71.6	1,696	536	170
California Oaks Road					
I-15 to Monroe Avenue	54,500	71.5	1,693	535	169
Monroe Avenue to Jackson Avenue	52,400	71.2	1,629	515	163
Jackson Avenue to Hancock Avenue	31,700	68.0	743	235	74
Hancock Avenue to Clinton Keith Road	25,800	68.4	801	253	80
Ivy Street					
Hayes Street to Washington Avenue	700	47.6	6	2	1
Washington Avenue to Adams Avenue	8,900	63.9	277	88	28
Adams Avenue to Jefferson Avenue	14,100	65.9	438	139	44
Jefferson Avenue to Madison Avenue	22,600	67.8	703	222	70
Los Alamos Road					
Madison Avenue to Lincoln Avenue	24,700	68.2	767	243	77
Lincoln Avenue to Hancock Avenue	35,100	69.7	1,092	345	109
Hancock Avenue to I-215	53,600	71.5	1,668	528	167
I-215 to Whitewood Road	31,000	67.9	726	230	73
Whitewood Road to Ruth Ellen Way	3,800	59.3	89	28	9
Murrieta Hot Springs Road					
Jefferson Avenue to Madison Avenue	46,400	71.1	1,441	456	144
Madison Avenue to I-15	77,500	72.8	2,411	762	241
I-15 to I-215	91,000	73.4	2,830	895	283
I-215 to Alta Murrieta Drive	93,000	73.9	2,894	915	289
Alta Murrieta Drive to Jackson Avenue	63,200	72.2	1,966	622	197
Jackson Avenue to Whitewood Road	57,600	71.8	1,792	567	179
Whitewood Road to Margarita Road	66,400	72.4	2,064	653	206
Margarita Road to Eastern City Limits	52,500	71.4	1,633	516	163

Table 5.7-9 [continued]
General Plan 2035 Roadway Noise Levels

Roadway Segment	Year 2035				
	ADT	dBA @ 100 Feet from Roadway Centerline	Distance from Roadway Centerline to: (Feet)		
			60 CNEL Noise Contour	65 CNEL Noise Contour	70 CNEL Noise Contour
Guava Street					
West of Hayes Avenue	5,900	59.9	102	32	10
Hayes Avenue to Douglas Avenue	6,300	60.1	109	34	11
Douglas Avenue to Washington Avenue	5,200	59.3	90	28	9
Adams Avenue to Jefferson Avenue	11,400	62.7	197	62	20
Jefferson Avenue to Madison Avenue	1,100	52.6	19	6	2
Madison Avenue to Monroe Avenue	3,300	57.3	57	18	6
Elm Street					
Adams Avenue to Madison Avenue	2,800	56.4	48	15	5
Hayes Avenue					
Nighthawk Way to Vineyard Parkway	3,600	57.6	62	20	6
Kalmia Street to Ivy Street	6,500	61.6	152	48	15
Ivy Street to Hawthorne Street	4,900	56.0	42	13	4
Hawthorne Street to Guava Street	4,500	58.6	78	25	8
Washington Avenue					
North of Calle del Oso Oro	10,000	63.2	234	74	23
Calle del Oso Oro to Nighthawk Way/Magnolia Street	14,900	65.0	349	110	35
Nighthawk Way/Magnolia Street to Vineyard Parkway	12,600	64.2	295	93	30
Vineyard Parkway to Kalmia Street	20,800	66.2	488	154	49
Kalmia Street to Ivy Street	8,300	58.3	71	23	7
Ivy Street to Hawthorne Street	1,400	53.6	24	8	2
South of Hawthorne Street	3,300	57.4	57	18	6
Jefferson Avenue					
North of Nutmeg Street	24,500	68.5	762	241	76
Nutmeg Street to Magnolia Street	39,700	69.2	931	294	93
Magnolia Street to Lemon Street	40,100	70.6	1,247	394	125
Lemon Street to Kalmia Street	46,900	71.2	1,458	461	146
Kalmia Street to Ivy Street	61,500	72.2	1,912	605	191
Ivy Street to Murrieta Hot Springs Road	53,600	71.6	1,668	527	167
Murrieta Hot Springs Road to Guava Street	53,100	71.6	1,650	522	165
Guava Street to Fig Street	45,100	72.0	1,822	576	182
Fig Street to Elm Street	44,600	71.9	1,798	569	180
South of Elm Street	30,300	69.1	942	298	94
Madison Avenue					
Kalmia Street to Ivy Street/Los Alamos Road	16,900	67.7	682	216	68
Ivy Street/Los Alamos Road to Murrieta Hot Springs Road	24,100	68.1	749	237	75
Murrieta Hot Springs Road to Guava Street	18,000	61.7	155	49	15

Table 5.7-9 [continued]
General Plan 2035 Roadway Noise Levels

Roadway Segment	Year 2035				
	ADT	dBA @ 100 Feet from Roadway Centerline	Distance from Roadway Centerline to: (Feet)		
			60 CNEL Noise Contour	65 CNEL Noise Contour	70 CNEL Noise Contour
Jackson Avenue					
North of Nutmeg Street	9,600	63.0	225	71	23
Nutmeg Street to Monroe Avenue	18,000	65.7	422	133	42
Monroe Avenue to California Oaks Road	17,600	65.5	412	130	41
Hancock Avenue					
California Oaks Road to Las Brisas Road	15,300	64.9	358	113	36
Las Brisas Road to Los Alamos Road	24,600	67.0	576	182	58
Los Alamos Road to Murrieta Hot Springs Road	27,000	67.4	633	200	63
I-15					
City Boundary to Nutmeg Street	199,900	81.0	19,309	6,106	1,931
Nutmeg Street to Kalmia Street	199,900	81.0	19,309	6,106	1,931
Kalmia Street Los Alamos Road	197,000	91.0	19,045	6,022	1,904
Los Alamos Road to I-215	142,600	79.6	13,797	4,363	1,380
I-215 to Cherry Street	248,800	82.1	24,066	7,610	2,407
I-215					
Scott Road to Los Alamos Road	195,300	80.7	15,512	4,905	1,551
Los Alamos Road to Murrieta Hot Springs Road	170,600	81.1	16,506	5,220	1,651
Murrieta Hot Springs Road to I-15	149,900	80.5	14,501	4,586	1,450
ADT = average daily trips; dBA = A-weighted decibels; CNEL = community noise equivalent level					
Source: Traffic noise modeling is based on traffic data provided by Iteris, January 2011.					

With implementation of the proposed General Plan 2035, some residential uses would experience noise levels that would exceed the allowable Land Use Criteria Compatibility Criteria (refer to *Table 5.7-2*). However, proposed General Plan 2035 Goal N-3 would minimize noise from mobile sources. Specifically, Policies N-3.1, N-3.2, and LU-25.3 consider noise mitigation measures in the design of and improvements to streets, highways, and freeways as well as working with Caltrans to achieve maximum noise abatement for highway and freeway projects. Policy N-3.3 also encourages the construction of noise barriers and maintenance of existing noise barriers along I-15 and I-215. Therefore, compliance with the proposed General Plan 2035 goals and policies would reduce traffic exposure at sensitive land uses. Implementation of the goals and polices would be realized through the review of individual development projects by the City for project-specific impacts during any required environmental review. If project-specific significant impacts are identified, specific mitigation measures would be placed on the project as conditions of approval to ensure compliance with the appropriate Land Use Criteria Compatibility Criteria.

Railways

Currently, there are no railroads traversing the City. However, opportunities to pursue future light rail transit and high speed rail are planned for the future of the City, which would create a new source of mobile noise. At this time, the location of any stations or rail alignments is not known. Implementation of Policy N-3.6 would require the City to coordinate with appropriate agencies in the siting, design, and construction of rail stations and track alignments to ensure that noise attenuation measures are addressed. Additionally, Policy LU-25.2 would require the City to establish a proactive role in the implementation of Proposition 1A in regards to the High Speed Rail.

Airport Noise

There is one primary source of air traffic affecting noise levels within the City of Murrieta; the French Valley (Rancho California) Airport, located outside the City's sphere of influence. Aircraft flyovers are heard occasionally in the City; however, the aircraft do not contribute a significant amount of noise heard in the City. The Riverside County Airport Land Use Commission has prepared a *Comprehensive Land Use Plan* for the French Valley Airport (*CLUP*), which experiences an average of 506 daily operations.

The CLUP indicates only a few parcel on the City's eastern boundary close to SR-79 are within the 55 CNEL noise level contour; the remainder of the 55 CNEL noise level contour is located outside of City boundaries. The *CLUP* also designates portions of the City as being located within Compatibility Zones B1, C, D, and E, all of which require certain land use restrictions. As cited in the French Valley Airport Land Use Compatibility Plan Initial Study and Mitigated Negative Declaration, the City of Murrieta already committed to mitigate development-related impacts to noise through compliance with applicable General Plan Noise Element policies. The City would continue to compliance with applicable policies from the update Noise Element. In addition, implementation of Policies LU-25.8 and 25.9 would require the City to work with the Riverside County Airport Land Use Commission in the development of the French Valley Airport Land Use Plan and other planning and environmental studies. In addition, compliance with Mitigation Measure NOI-2 would ensure aircraft noise impacts to residential uses within the 55 CNEL noise contour are mitigated to a less than significant level.

STATIONARY SOURCES

Commercial and industrial land uses are located near sensitive receptor areas. These uses currently generate occasional stationary noise impacts. Primary noise sources associated with these facilities are due to customer trips, delivery trucks, heavy machinery, air compressors, generators, outdoor loudspeakers, and gas vents. Other significant stationary noise sources within the City include construction activities, street sweepers, and gas-powered leaf blowers.

Residential Uses

In 2035, residential uses would comprise the largest land use category in the City, with 10,255 acres or 56.5 percent of the total land in the City. Rural and single-family parcels cover the largest total area of land. A total of 93.7 percent of the residential land are rural and single-family, while 6.3 percent of the land contains multi-family uses. Future development of residential lots would create stationary noise typical of any new residential development. Noise that is typical of single-family residential areas includes children playing, pets, amplified music, pool and spa equipment operation, mechanical equipment, woodworking, car repair, and home repair. Noise from residential stationary sources would primarily occur during the "daytime" activity hours.

Commercial/Office/Industrial

Noise generally produced in commercial, office, and industrial districts includes that typically associated with slow moving truck deliveries, parking areas, landscape maintenance, and similar activities. However, noise strategies and actions require the reduction of noise transmission between commercial/office/industrial and residential uses. Implementation of Policies N-2.2 through N-2.5 would ensure the reduction of noise transmission between these uses through proper site planning and design. Policy N-2.7 would require new mixed-use developments to be designed to limit noise from loading areas, refuse collection, and other activities associated with commercial activity. Policy N-2.8 encourages commercial uses in mixed-use developments that are not noise intensive.

Mechanical Equipment

Typical mechanical equipment associated with stationary sources includes heating, ventilation, and air conditioning units (HVAC). Actual activity levels would vary from season to season and day to day, and noise level reference data for the HVAC units are only available for high activity levels more characteristic of conditions during daytime hours on a warm summer day. Typical HVAC units would operate in unoccupied mode throughout the entire nighttime period, using a temperature threshold for cooling that is unlikely to be triggered during those hours. HVAC related noise levels would be substantially lower during the nighttime hours than during the loudest daytime hour. As discussed above, temporal variations in noise emissions from the HVAC units are expected to be complex and cannot be accurately distilled into a single diurnal pattern. It is reasonable to expect that, for at least a single daytime hour during warmer times of the year, all or nearly all of the HVAC units could be operating simultaneously and nearly continuously. Implementation of Policy N-2.6 would incorporate noise reduction features for items such as HVAC units during site planning to mitigate anticipated noise impacts on affected noise sensitive land uses.

Slow-Moving Trucks (Deliveries)

In commercial and industrial areas, noise sources at loading areas may include maneuvering and idling trucks, truck refrigeration units, fork lifts, banging and clanging of equipment (i.e., hand carts and roll-up doors), noise from public address systems, and voices of truck drivers and employees. Noise sources at loading areas may include maneuvering and idling trucks, truck refrigeration units, fork lifts, banging and clanging of equipment (i.e., hand carts and roll-up doors), noise from public address systems, and voices of truck drivers and employees. Policy N-2.6 addresses noise reduction features for loading activities in commercial areas, which reduces noise impacts on sensitive land uses. Policy N-3.4 would help reduce truck traffic noise by enforcing the use of truck routes to limit unnecessary truck traffic in residential and commercial areas.

Parking Areas

Traffic associated with parking lots is not of sufficient volume to exceed community noise standards that are based on a time averaged scale such as the CNEL scale. However, the instantaneous maximum sound levels generated by a car door slamming, an engine starting-up, and car passing by may be an annoyance to adjacent sensitive receptors. Conversations in parking areas may also be an annoyance to adjacent sensitive receptors. Policy N-2.6 addresses noise reduction features for parking areas to reduce noise impacts on sensitive land uses.

Landscape Maintenance

Implementation of the proposed General Plan 2035 would introduce new landscaping requiring periodic maintenance. Noise generated by maintenance equipment such as gasoline-powered lawnmowers, leaf-blowers, or hedge edgers could be a nuisance to nearby sensitive receptors. Maintenance activities would be conducted during daytime hours for brief periods of time and would increase ambient noise levels.

In conclusion, all mobile and stationary source impacts would be reduced to less than significant levels by complying with the goals and policies in the proposed General Plan 2035 and the City's *Noise Ordinance*.

Goals and Policies in the Proposed General Plan 2035:

NOISE ELEMENT

Goal N-1 Noise sensitive land uses are properly and effectively protected from excessive noise generators.

Policies

N-1.1 Comply with the Land Use Compatibility for Community Noise Environments.

N-1.2 Protect schools, hospitals, libraries, churches, convalescent homes, and other noise sensitive uses from excessive noise levels by incorporating site planning and project design techniques to minimize noise impacts. The use of noise barriers shall be considered after all practical design-related noise measures have been integrated into the project. In cases where sound walls are necessary, they should help create an attractive setting with features such as setbacks, changes in alignment, detail and texture, murals, pedestrian access (if appropriate), and landscaping.

N-1.3 Discourage new residential development where the ambient noise level exceeds the noise level standards set forth in the Noise and Land Use Compatibility Guidelines and the City Noise Ordinance.

N-1.4 Coordinate with the County of Riverside and adjacent jurisdictions to minimize noise conflicts between land uses along the City's boundaries.

Goal N-2 A comprehensive and effective land use planning and development review process that ensures noise impacts are adequately addressed.

Policies

N-2.1 Review and update the Noise Ordinance to ensure that noise exposure information and specific policies and regulations are current.

N-2.2 Fully integrate noise considerations into land use planning decisions to prevent new noise/land use conflicts.

N-2.3 Consider the compatibility of proposed land uses with the noise environment when preparing, revising, or reviewing development proposals.

N-2.4 Encourage proper site planning and architecture to reduce noise impacts.

N-2.5 Permit only those new development or redevelopment projects that have incorporated mitigation measures, so that standards contained in the Noise Element and Noise Ordinance are met.

N-2.6 Incorporate noise reduction features for items such as, but not limited to, parking and loading areas, ingress/egress point, HVAC units, and refuse collection areas, during site planning to mitigate anticipated noise impacts on affected noise sensitive land uses.

N-2.7 Require that new mixed-use developments be designed to limit potential noise from loading areas, refuse collection, and other activities typically associated with commercial activity through strategic placement of these sources to minimize noise levels on-site.

N-2.8 Encourage commercial uses in mixed-use developments that are not noise intensive.

N-2.9 Orient mixed-use residential units, where possible, away from major noise sources.

N-2.10 Locate balconies and operable windows of residential units in mixed-use projects away from the primary street and other major noise sources, where possible, or provide appropriate mitigation.

Goal N-3 Noise from mobile noise sources is minimized.

Policies

N-3.1 Consider noise mitigation measures in the design of all future streets and highways and when improvements occur along existing freeway and highway segments.

N-3.2 Work with CalTrans to achieve maximum noise abatement in the design of new highway projects or with improvements to interchanges along the I-15 and I-215 Freeways, and with widening of SR 79.

N-3.3 Encourage the construction of noise barriers and maintenance of existing noise barriers for sensitive receptors located along the I-15 and I-215 Freeways.

N-3.4 Enforce the use of truck routes to limit unnecessary truck traffic in residential and commercial areas. Consider requiring traffic plans for construction projects and new commercial and industrial uses.

N-3.5 Consider the use of rubberized asphalt for new roadways or roadway rehabilitation projects.

N-3.6 Coordinate with appropriate agencies in the siting, design, and construction of rail stations and track alignments to ensure that noise attenuation measures are addressed.

Goal LU-25 Collaboration with Federal, State, County, and other regional agencies and authorities to ensure compliance with existing and future legislation that affects the City of Murrieta.

Policies

LU-25.2 Establish a strong role in the implementation of Proposition 1A with the California High Speed Rail Authority (CHSRA).

LU-25.3 Continue coordination with the California Department of Transportation (Caltrans) related to the local impacts of change and development of the I-15 and I-215 Freeways as well as other local transportation routes and areas of influence under the jurisdiction of Caltrans.

LU-25.8 Establish land use patterns that protect the public from impacts (noise, potential accidents) associated with the French Valley Airport, through the following:

- Consult with the Riverside County Airport Land Use Commission to ensure consistency with the scope and intent of the Airport Land Use Commission Law.
- Allow development in accordance with the Riverside County Airport Land Use Compatibility Plan and the French Valley Airport Compatibility Zones.
- Prohibit structures that are determined to be a "hazard" by the Federal Aviation Administration within the Riverside County Airport Land Use Compatibility Plan.
- Monitor legislation and regulations established by the Riverside County Airport Land Use Commission.

LU-25.9 Work closely with the Riverside County Airport Land Use Commission and other involved agencies in the development and review of the French Valley Airport Land Use Plan and other planning and environmental studies.

Mitigation Measures:

NOI-2 Residential projects located within the 55 CNEL noise contour for the French Valley Airport shall be subject to review by the Riverside County Airport Land Use Commission and shall be required to ensure interior noise levels from aircraft operations are at or below 45 dB CNEL.

Level of Significance After Mitigation: Less Than Significant Impact.

5.7.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

CUMULATIVE SHORT-TERM CONSTRUCTION NOISE

- **CUMULATIVE SHORT-TERM CONSTRUCTION NOISE ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: It is anticipated that the City would experience construction activity associated with redevelopment of existing developed sites as well as new construction on undeveloped sites. Short-term construction noise is a localized activity and would affect only land uses that are immediately adjacent to a specific project site. Each construction project would have to comply with the local noise ordinance, as well as mitigation measures that may be prescribed pursuant to *CEQA* provisions that require significant impacts to be reduced to the extent feasible. Thus, a less than significant impact would occur.

Goals and Policies in the Proposed General Plan 2035: Refer to Goal N-4 and Policies N-4.1 through N-4.6 referenced above in this Section 5.7.

Mitigation Measures: Refer to Mitigation Measure NOI-1. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

CUMULATIVE LONG-TERM OPERATIONAL IMPACTS

- **CUMULATIVE LONG-TERM OPERATIONAL NOISE ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: For this topic, the cumulative impacts are based upon assumptions made within Appendix E and Section 5.4, Traffic and Circulation, to address cumulative noise impacts within the City. Cumulative stationary noise sources would generally be less than significant with the implementation of the goal and policies in the proposed General Plan 2035. However, as traffic noise tends to dominate the noise environment within the City, the analysis below

considers whether the increase in traffic noise would be noticeable and significant per the criteria outlined in *Table 5.7-7*.

MOBILE SOURCES

Table 5.7-10, *Cumulative Traffic Noise Exposure*, compares the "Existing" scenario to the "General Plan Buildout" scenario and outlines the anticipated noise level changes adjacent to specific roadways in the City as a result of implementation of the proposed General Plan 2035, along with cumulative growth in the Sphere of Influence and outside the City. The proposed General Plan 2035 identifies the following five Focus Areas as areas of land use change:

- North Murrieta Business Corridor
- Clinton Keith/Mitchell
- Golden Triangle North (Central Murrieta)
- South Murrieta Business Corridor
- Multiple Use Area 3 (MU-3)

Although some growth is anticipated within the Historic Murrieta Specific Plan and Los Alamos Hills Focus Areas, no land use changes are included in proposed General Plan 2035. The change in traffic patterns is due to the redistribution of traffic on City streets associated with the change in land uses based upon the proposed General Plan 2035 Land Use Policy Map. As indicated in *Table 5.7-10*, buildout of the proposed General Plan 2035 would generate an audible noise level increase along 30 roadway segments along Clinton Keith Road, Nutmeg Street, Kalmia Street, Ivy Street, Los Alamos Road, Murrieta Hot Springs Road, Guava Street, Hayes Avenue, and Jefferson Avenue, as well as along I-15 and I-215. These 30 roadway segments would create a potentially significant impact as defined in *Table 5.7-7*. Compliance and/or adherence to the proposed General Plan 2035 goals and policies would not reduce the generated audible noise levels to a less than significant level. Therefore, if the proposed General Plan 2035 buildout condition occurred, a significant unavoidable impact would occur in this regard.

STATIONARY SOURCES

Noise caused by stationary sources would not substantially increase with implementation of the proposed General Plan 2035 as the City of Murrieta is generally built out. Through implementation of the proposed General Plan 2035, it is anticipated that there would be few new stationary sources. Therefore, a less than significant impact would occur in regards to cumulative stationary noise exposure.

Table 5.7-10
Cumulative Traffic Noise Exposure

Roadway Segment	Existing		2035 Buildout		Difference in dBA @ 100 feet from Roadway	Potentially Significant Impact?
	ADT	dBA @ 100 Feet from Roadway Centerline	ADT	dBA @ 100 Feet from Roadway Centerline		
Clinton Keith Road						
Southwest City Limits to Calle del Oso Oro	9,100	63.9	33,600	69.5	5.6	***Yes***
Calle del Oso Oro to Grand Avenue	11,100	65.9	25,600	69.5	3.6	***Yes***
Grand Avenue to Nutmeg Street	19,000	67.0	56,000	71.7	4.7	***Yes***
Nutmeg Street to Murrieta Oaks Road	27,300	68.6	82,900	73.4	4.8	***Yes***
Murrieta Oaks Road to I-215	27,040	68.6	79,000	73.3	4.7	***Yes***
I-215 to Antelope Road	5,281	58.9	70,200	70.2	11.3	***Yes***
Antelope Road to Meadowlark Road/Whitewood Lane	13,000	62.9	60,700	69.5	6.6	***Yes***
Calle del Oso Oro						
Clinton Keith Road to Calle Cipres	4,200	59.3	10,200	63.2	3.9	*No*
Calle Cipres to Washington Avenue	11,400	63.7	19,800	66.1	2.4	*No*
Nutmeg Street						
Washington Avenue to Adams Avenue	5,900	60.9	12,800	64.3	3.4	***Yes***
Adams Street to Jefferson Avenue	5,900	60.8	13,200	64.3	3.5	***Yes***
Jefferson Avenue to Jackson Avenue	9,300	62.8	14,200	64.6	1.8	*No*
Jackson Avenue to Clinton Keith Road	10,900	64.7	15,200	66.1	1.4	*No*
Lemon Street						
Washington Avenue to Adams Avenue	3,300	58.7	6,300	61.5	2.8	*No*
Adams Avenue to Jefferson Avenue	4,200	59.7	12,100	64.3	4.6	*No*
Kalmia Street						
Hayes Avenue to Washington Avenue	1,500	55.2	8,200	62.6	7.4	***Yes***
Washington Avenue to Adams Avenue	15,400	66.3	18,800	67.2	0.9	*No*
Adams Avenue to Jefferson Avenue	20,600	67.6	28,400	69.0	1.4	*No*
Jefferson Avenue to Madison Avenue	25,500	68.3	49,300	71.2	2.9	*No*
Madison Avenue to I-15	35,300	69.7	54,500	71.6	1.9	*No*
California Oaks Road						
I-15 to Monroe Avenue	29,500	68.8	54,500	71.5	2.7	*No*
Monroe Avenue to Jackson Avenue	29,200	68.7	52,400	71.2	2.5	*No*
Jackson Avenue to Hancock Avenue	24,900	67.0	31,700	68.0	1.0	*No*
Hancock Avenue to Clinton Keith Road	15,100	66.1	25,800	68.4	2.3	*No*
Ivy Street						
Hayes Street to Washington Avenue	900	48.7	700	47.6	-1.1	*No*
Washington Avenue to Adams Avenue	8,900	63.9	8,900	63.9	0	*No*
Adams Avenue to Jefferson Avenue	9,500	64.2	14,100	65.9	1.7	*No*
Jefferson Avenue to Madison Avenue	11,300	64.8	22,600	67.8	3.0	***Yes***
Los Alamos Road						
Madison Avenue to Lincoln Avenue	10,400	64.5	24,700	68.2	3.7	***Yes***

Table 5.7-10 [continued]
Cumulative Traffic Noise Exposure

Roadway Segment	Existing		2035 Buildout		Difference in dBA @ 100 feet from Roadway	Potentially Significant Impact?
	ADT	dBA @ 100 Feet from Roadway Centerline	ADT	dBA @ 100 Feet from Roadway Centerline		
Lincoln Avenue to Hancock Avenue	19,000	67.0	35,100	69.7	2.7	*No*
Hancock Avenue to I-215	19,200	67.1	53,600	71.5	4.4	***Yes***
I-215 to Whitewood Lane	23,000	66.6	31,000	67.9	1.3	*No*
Whitewood Lane to Ruth Ellen Way	3,800	59.3	3,800	59.3	0	*No*
Murrieta Hot Springs Road						
Jefferson Avenue to Madison Avenue	18,285	67.1	46,400	71.1	4.0	***Yes***
Madison Avenue to I-15	42,600	70.2	77,500	72.8	2.6	*No*
I-15 to I-215	65,100	71.9	91,000	73.4	1.5	*No*
I-215 to Alta Murrieta Drive	74,500	72.9	93,000	73.9	1.0	*No*
Alta Murrieta Drive to Jackson Avenue	48,000	71.0	63,200	72.2	1.2	*No*
Jackson Avenue to Whitewood Road	43,263	70.5	57,600	71.8	1.3	*No*
Whitewood Road to Margarita Road	51,200	71.3	66,400	72.4	1.1	*No*
Margarita Road to Eastern City Limits	40,000	70.2	52,500	71.4	1.2	*No*
Guava Street						
West of Hayes Avenue	500	49.2	5,900	59.9	1.7	*No*
Hayes Avenue to Douglas Avenue	700	50.5	6,300	60.1	9.6	***Yes***
Douglas Avenue to Washington Avenue	1,200	53.0	5,200	59.3	6.3	***Yes***
Adams Avenue to Jefferson Avenue	2,100	55.4	11,400	62.7	7.3	***Yes***
Jefferson Avenue to Madison Avenue	3,100	57.1	1,100	52.6	-4.5	*No*
Madison Avenue to Monroe Avenue	200	45.2	3,300	57.3	12.1	***Yes***
Elm Street						
Adams Avenue to Madison Avenue	2,500	55.9	2,800	56.4	0.5	*No*
Hayes Avenue						
Nighthawk Way to Vineyard Parkway	1,900	54.8	3,600	57.6	2.8	*No*
Kalmia Street to Ivy Street	1,900	56.3	6,500	61.6	5.3	***Yes***
Ivy Street to Hawthorne Street	1,300	50.3	4,900	56.0	5.7	***Yes***
Hawthorne Street to Guava Street	700	50.5	4,500	58.6	8.1	***Yes***
Washington Avenue						
North of Calle del Oso Oro	10,000	63.2	10,000	63.2	0	*No*
Calle del Oso Oro to Nighthawk Way/Magnolia Street	14,300	64.8	14,900	65.0	0.2	*No*
Nighthawk Way/Magnolia Street to Vineyard Parkway	12,600	64.2	12,600	64.2	0	*No*
Vineyard Parkway to Kalmia Street	20,800	66.2	20,800	66.2	0	*No*
Kalmia Street to Ivy Street	8,300	58.3	8,300	58.3	0	*No*
Ivy Street to Hawthorne Street	1,400	53.6	1,400	53.6	0	*No*
South of Hawthorne Street	1,300	53.3	3,300	57.4	4.1	*No*

Table 5.7-10 [continued]
Cumulative Traffic Noise Exposure

Roadway Segment	Existing		2035 Buildout		Difference in dBA @ 100 feet from Roadway	Potentially Significant Impact?
	ADT	dBA @ 100 Feet from Roadway Centerline	ADT	dBA @ 100 Feet from Roadway Centerline		
Jefferson Avenue						
North of Nutmeg Street	10,000	64.7	24,500	68.5	3.8	***Yes***
Nutmeg Street to Magnolia Street	9,000	62.8	39,700	69.2	6.4	***Yes***
Magnolia Street to Lemon Street	10,000	64.6	40,100	70.6	6.0	***Yes***
Lemon Street to Kalmia Street	11,200	65.0	46,900	71.2	6.2	***Yes***
Kalmia Street to Ivy Street	17,900	66.8	61,500	72.2	5.4	***Yes***
Ivy Street to Murrieta Hot Springs Road	12,000	65.1	53,600	71.6	6.5	***Yes***
Murrieta Hot Springs Road to Guava Street	27,800	68.7	53,100	71.6	2.9	*No*
Guava Street to Fig Street	28,000	69.9	45,100	72.0	2.1	*No*
Fig Street to Elm Street	29,000	70.1	44,600	71.9	1.8	*No*
South of Elm Street	20,736	67.4	30,300	69.1	1.7	*No*
Madison Avenue						
Kalmia Street to Ivy Street/Los Alamos Road	14,914	67.1	16,900	67.7	0.6	*No*
Ivy Street/Los Alamos Road to Murrieta Hot Springs Road	24,100	68.1	24,100	68.1	0	*No*
Murrieta Hot Springs Road to Guava Street	3,400	54.5	18,000	61.7	7.3	***Yes***
Jackson Avenue						
North of Nutmeg Street	7,100	61.7	9,600	63.0	1.3	*No*
Nutmeg Street to Monroe Avenue	14,900	64.9	18,000	65.7	0.8	*No*
Monroe Avenue to California Oaks Road	14,900	64.8	17,600	65.5	0.7	*No*
Hancock Avenue						
California Oaks Road to Las Brisas Road	14,700	64.7	15,300	64.9	0.2	*No*
Las Brisas Road to Los Alamos Road	19,550	66.0	24,600	67.0	1.0	*No*
Los Alamos Road to Murrieta Hot Springs Road	19,500	66.0	27,000	67.4	1.4	*No*
I-15						
City Boundary to Nutmeg Street	124,000	79.0	199,900	81.0	2.0	*No*
Nutmeg Street to Kalmia Street	124,000	79.0	199,900	81.0	2.0	*No*
Kalmia Street Los Alamos Road	127,000	79.1	197,000	91.0	11.9	***Yes***
Los Alamos Road to I-215	127,000	79.1	142,600	79.6	0.5	*No*
I-215 to Cherry Street	186,000	80.8	248,800	82.1	1.3	*No*
I-215						
Scott Road to Los Alamos Road	89,000	77.3	195,300	80.7	3.4	***Yes***
Los Alamos Road to Murrieta Hot Springs Road	91,000	78.3	170,600	81.1	2.8	*No*
Murrieta Hot Springs Road to I-15	83,000	77.9	149,900	80.5	2.6	*No*

ADT = average daily trips; dBA = A-weighted decibels; CNEL = community noise equivalent level

Source: Traffic noise modeling is based on traffic data provided by Iteris, January 2011.

Goals and Policies in the Proposed General Plan 2035: Refer to Goal N-3 and Policies N-3.1 through N.3.6 and Goal LU-25 and Policies LU-25.2, LU-25.3, LU-25.8, and LU-25.9 referenced above in this Section 5.7.

Mitigation Measures: Refer to Mitigation Measure NOI-2. No additional mitigation measures are available.

Level of Significance After Mitigation: Significant Unavoidable Impact.

5.7.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Despite compliance with goals and policies, and mitigation measures, the proposed General Plan 2035 would result in significant unavoidable impacts regarding the following:

- ***Cumulative Long-Term Operational Noise*** – The change in traffic patterns is due to the redistribution of traffic on City streets as a result of implementation of the proposed General Plan 2035, along with cumulative growth in the Sphere of Influence and outside the City. The traffic associated with the proposed General Plan 2035 and cumulative growth would generate an audible noise level increase along 30 roadway segments. Thus, cumulative long-term operational noise impacts would be significant and unavoidable.

All other impacts related to noise associated with implementation of the proposed General Plan 2035 would be less than significant with compliance with the goals and policies in the proposed General Plan 2035 and the recommended mitigation measures.

If the City of Murrieta approves the proposed General Plan 2035, the City shall be required to cite their findings in accordance with *CEQA Guidelines* Section 15091 and prepare a Statement of Overriding Considerations in accordance with *CEQA Guidelines* Section 15093.

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Section 5.8:
Geology and Seismic Hazards

5.8 GEOLOGY AND SEISMIC HAZARDS

This section describes the City of Murrieta's existing geologic, seismic, and soil conditions, and the existing Federal, State, and local regulations with which development must comply. Geologic and seismic impacts that could result from implementation of the proposed General Plan 2035 are identified. Information in this section is based upon the *Seismic and Geologic Hazards Review General Plan 2035, City of Murrieta, California* technical report prepared by Leighton and Associates, December 2009, and included as Appendix G.

5.8.1 REGULATORY SETTING

FEDERAL

Federal Soils and Water Resources Conservation Act

The purpose of the Federal Soil and Water Resources Conservation Act (1977) *(16 United States Code* Section 2001-2009*)* is to protect or restore the functions of the soil on a permanent sustainable basis. Protection and restoration activities include prevention of harmful soil changes, rehabilitation of the soil of contaminated sites and of water contaminated by such sites, and precautions against negative soil impacts. If impacts are made on the soil, disruptions of its natural functions and of its function as an archive of natural and cultural history should be avoided, as far as practicable. The Secretary of Agriculture oversees the programs associated with the Act.

STATE

Alquist-Priolo Earthquake Fault Zoning Act

The Alquist-Priolo Earthquake Fault Zoning Act (*California Public Resources Code*, Chapter 7.5, Section 2621-2699.6) was passed in 1972 to mitigate the hazard of surface faulting to structures for human occupancy. This State law was a direct result of the 1971 San Fernando Earthquake, which was associated with extensive surface fault ruptures that damaged numerous homes, commercial buildings, and other structures. The Act's main purpose is to prevent the construction of buildings used for human occupancy on the surface trace of active faults. The Act only addresses the hazard of surface fault rupture and is not directed toward other earthquake hazards, such as subsidence or liquefaction.

The Act requires the State Geologist to establish regulatory zones, known as "Earthquake Fault Zones," around the surface traces of active faults and to issue appropriate maps. Earthquake Fault Zones were called "Special Studies Zones" prior to January 1, 1994. Local agencies must regulate most development projects within these zones. Before a project can be permitted, cities and counties must require a geologic investigation to demonstrate that proposed buildings would not be constructed across active faults. An evaluation and written report of a specific area must be prepared by a licensed geologist. If an active fault is found, a structure for human occupancy cannot be placed over the trace of the fault and must be set back from the fault (typically 50 feet set backs are required).

Effective June 1, 1998, the Natural Hazards Disclosure Act requires that sellers of real property and their agents provide prospective buyers with a "Natural Hazard Disclosure Statement" when the property that is being sold lies within one or more State-mapped hazard areas, including Earthquake Fault Zones.

Seismic Hazards Mapping Act

The Seismic Hazards Mapping Act (SHMA) of 1990 (*California Public Resources Cod*e, Chapter 7.8, Section 2690-2699.6) provides a statewide seismic hazard mapping and technical advisory program to assist cities and counties in fulfilling their responsibilities for protecting the public health and safety from the effects of strong ground shaking, liquefaction, landslides, or other ground failure, and other seismic hazards caused by earthquakes. Mapping and other information generated pursuant to the SHMA is to be made available to local governments for planning and development purposes. The State requires: (1) local governments to incorporate site-specific geotechnical hazard investigations and associated hazard mitigation, as part of the local construction permit approval process; and (2) the agent for a property seller or the seller if acting without an agent, must disclose to any prospective buyer if the property is located within a Seismic Hazard Zone. The State Geologist is responsible for compiling seismic hazard zone maps. The SHMA specifies that the lead agency of a project may withhold development permits until geologic or soils investigations are conducted for specific sites and mitigation measures are incorporated into plans to reduce hazards associated with seismicity and unstable soils.

CALIFORNIA BUILDING STANDARDS CODE

California building standards are published in the *California Code of Regulations*, *Title 24*, known as the *California Building Standards Code* (*CBSC*). The *CBSC* applies to all applications for residential building permits. The *CBSC* consists of 11 parts that contain administrative regulations for the California Building Standards Commission and for all State agencies that implement or enforce building standards. Local agencies must ensure that development complies with the guidelines contained in the *CBSC*. Cities and counties have the ability to adopt additional building standards beyond the *CBSC*. *CBSC* Part 2, named the *California Building Code* is based upon the *2009 International Building Code*, and Part 11, named the *California Green Building Standards Cod*e, and is also called the CalGreen Code.

California has adopted statewide, mandatory codes based upon the International Code Council's (ICC) Uniform codes. The 2010 California Building Standards Code will adopt the 2009 International codes (I-codes), and take effect January 1, 2011.

LOCAL

City of Murrieta Municipal Code

The "Building Code of the City of Murrieta" (*Building Code*) is codified in *Title 15*, Buildings and Construction, of the City's *Municipal Code*. The City's *Building Code* adopted the *California Building Code*, 2010 Edition. The purpose of the City's *Building Code* is to provide minimum standards to safeguard life or limb, health, property and public welfare by regulating the design, construction, quality of materials, use and occupancy, location and maintenance of buildings, equipment structures and grading within the City, the electrical, plumbing, heating, comfort cooling and certain other equipment specifically regulated herein; and the moving of buildings with, into, from and through the City.

Murrieta Emergency Operations Plan[1]

The City of Murrieta Emergency Operations Plan (EOP) addresses the planned response to extraordinary emergency situations associated with natural disasters, national security emergencies, and technological incidents affecting the City. The EOP describes the operations of the City of Murrieta Emergency Operations Center (EOC), which is the central management entity responsible for directing and coordinating the various City departments and other agencies in their emergency response activities. The EOC centralizes the collection and dissemination of information about the emergency and makes policy-level decision about response priorities and the allocation of resources. As part of the City's Emergency Management Program, the EOC Manager (Fire Division Chief) is responsible for ensuring the readiness of the EOC.

The City has developed a set of quick response references (checklist) for the Murrieta EOC. The set checklist is located in Part Two of the City's Emergency Operation Plan. The checklist enumerates issues that are related to earthquake disasters and emergencies.

Riverside County Multi-Jurisdictional Local Hazard Mitigation Plan[2]

Table 6.6-2, Riverside County Local Jurisdiction Hazard Assessment Worksheet of Section 6.6, Emergency Response, provides a detailed identification and analysis of the hazards faced by Riverside County and the City of Murrieta according to the Riverside County Multi-Jurisdictional Local Hazard Mitigation Plan (LHMP). Table 6.6-2 assigns each hazard a severity

[1] *Murrieta Emergency Operations Plan, Part 1: Basic Plan*, and *City of Murrieta Emergency Operations Plan, Part 2: Supporting Documents*, City of Murrieta, June 2008.

[2] Ibid

rating, indicating the amount of damage that would be done to the County and the City and its population should the hazard occur. Table 6.6-2 also assigns a probability rating, indicating the likelihood that the hazard may occur within the County and City. Both ratings are on a scale of 0-4, with 4 being the most severe or the most likely to occur. Within the County, earthquakes are assigned a severity rating of 4 and a probability rating of 3. Within the City, earthquakes are assigned a severity rating of 4 and a probability rating of 3.

5.8.2 ENVIRONMENTAL SETTING

For purposes of this section, and to remain consistent with the *Seismic and Geologic Hazards Review General Plan 2035, City of Murrieta, California* technical report prepared by Leighton and Associates (2009), the City was divided into three corridor areas for discussion purposes. These corridors will be referred to as Geology Study Areas 1 through 3 and may be generally described as follows:

- ***Geology Study Area 1 – Southwest Murrieta/Jefferson Business Corridor:*** The major retail and light industrial agglomeration within Murrieta and located generally west of the Golden Triangle along the west side of Interstate 15 (I-15), south of Kalmia Street and north of the City's southern boundary.

- ***Geology Study Area 2 – Golden Triangle:*** Located north of the intersection of I-15 and Interstate 215 (I-215) and south of Los Alamos Road.

- ***Geology Study Area 3 – Northeast I-215 and Clinton Keith Road:*** The northeastern quadrant of the City located along the east side of I-215 and north of Clinton Keith Road where relatively most vacant land currently exists.

REGIONAL SETTING

The City of Murrieta is located within the northern portion of the Peninsular Range geomorphic province which is characterized by steep, elongated valleys and ranges that generally trend northwestward from the tip of Baja California to the Los Angeles Basin. The City is regionally located at the base of the Santa Ana Mountains and the Santa Rosa Plateau, the Santa Margarita and Agua Tibia ranges are located approximately 12 to 14 miles to the south, and the San Jacinto ranges lie approximately 35 miles to the east. More specifically, Murrieta is situated within two structural blocks or subdivision of the Peninsular Range province. The western foothill boundary of the City is within the Santa Ana Mountains block and the east portion is within the Perris block. The provinces are separated by the active Elsinore fault zone, which forms a complex pull-apart basin (locally referred to as the Temecula Valley) that is filled with sedimentary deposits. The relatively stable Santa Ana Mountains and Perris Block are underlain by pre-Cretaceous aged metasedimentary rocks and Cretaceous aged plutonic rocks of the southern California batholith. Tertiary-aged sediments, volcanics, and Quaternary-aged sediments flank the Santa Ana mountain range to the west, elevated portions of the valley floor,

and within the western flanks and localized valleys of the Perris Block. The Quaternary sediments include the "Unnamed" Sandstone, Pauba Fanglomerate, Pauba Sandstone, and younger alluvial sediments.

AREA GEOLOGY

The City is underlain by several surficial deposits and/or bedrock units based on published geologic maps; refer to *Exhibit 5.8-1*, *Regional Geology Map*. The surficial deposits and bedrock units that are most likely to be encountered during future developments are described below:

- ***Artificial Fill (not a mapped unit):*** Artificial fills are generally referred to as undocumented fills or engineered (documented) fills. Undocumented fills are typically those fills that were placed without the review and testing of a geotechnical consultant. Engineered fills are those fills that were observed and tested by a geotechnical consultant. Most artificial fills within the City are expected to be engineered and placed during construction of existing public roads and private developments. The engineering characteristics and vertical or horizontal extent of these fills are site-specific.

- ***Colluvial Deposits (not a mapped unit):*** Colluvium is the name for sediments that have been built up or deposited at the bottom of a low-grade slope or against a barrier on that slope, transported by gravity. As such, these deposits generally consist of silty sand and sandy gravel with abundant angular and sub-angular fragments of the underlying bedrock units.

- ***Young Axial-Channel Deposits (map symbol Qya):*** These alluvial deposits (late Holocene) are generally found in active stream beds, channels or flood plains and consist of unconsolidated to locally poorly consolidated sand and gravel with small amounts of silt.

- ***Young Alluvial-Valley Deposits (map symbol Qyv):*** These alluvial flood plain deposits (Pleistocene, younger than 500,000 years) are generally found along the main Murrieta Creek channel and expected to exceed 100 feet in depth. These deposits are found throughout the main channel areas of Area 1 (Southwest Murrieta/Jefferson Business Corridor: the major retail and light industrial agglomeration within Murrieta and located generally west of the Golden Triangle along the west side of Interstate I-15, south of Kalmia Street and north of the City's southern boundary).

- ***Pauba-sandstone (map symbol Qps):*** The Pauba-sandstone formation (Pleistocene) is moderately well-indurated, extensively crossbedded, channeled and filled sandstone and siltstone that contains local intervening cobble-and-boulder conglomerate beds. The formation is generally found in the southern half of the City including portions of Area 1 and most of Area 2 (Golden Triangle: north of the intersection of I-15 and I-215 and south of Los Alamos Road).

- ***Pauba-fanglomerate (map symbol Qpf):*** The Pauba-fanglomerate member (Pleistocene) is well indurated, poorly sorted fanglomerate and mudstone and generally found along the east flank of the Santa Ana Mountains (west of Murrieta).

- ***Basalt of the Hogbacks (not mapped):*** The locally named Hogbacks are an elevated hilltop located in the eastern portion of the City. Capping this unique feature is a remnant channel filled with basalt (Tertiary-age).

- ***Monzogranite to Granodiorite Bedrock (map symbol Kpvg):*** The Cretaceous-age formation locally known as the Paloma Valley Ring Complex constitutes portion of the hills along the northern part of the City and underlies the older alluvium in Area 3 (Northeast I-215 and Clinton Keith Road: the northeastern quadrant of the City located along the east side of Interstate 215 and north of Clinton Keith Road where relatively most vacant land currently exists).

- ***Gabbro Bedrock (map symbol Kgb):*** The Cretaceous-age formation also constitutes portions of the hills along the northern part of the City and underlies the older alluvium in Area 3.

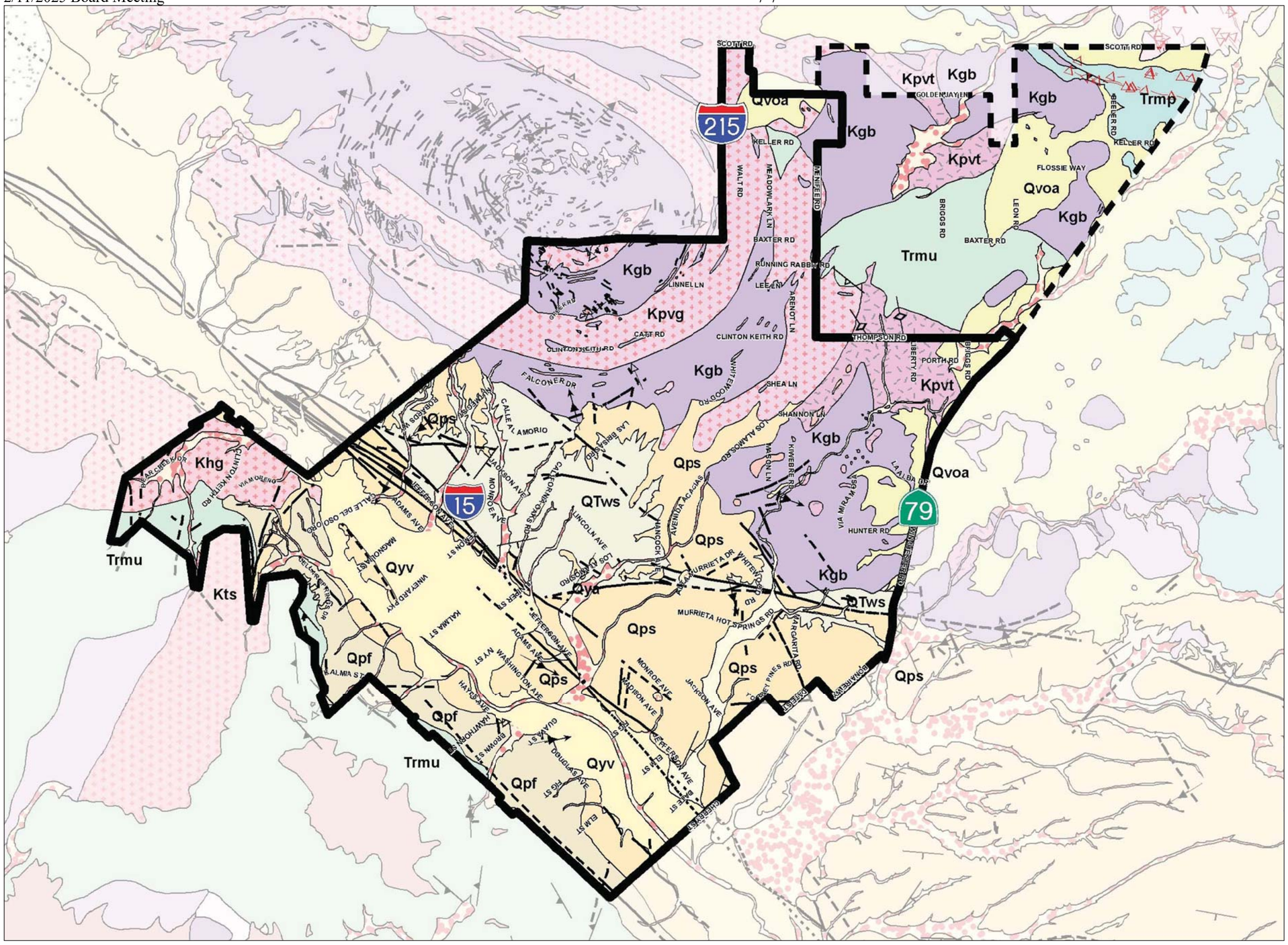
- ***Metasedimentary Rock (map symbol Mzu):*** The Mesozoic-aged metamorphic grade sedimentary rock unit exits in the northeastern quadrant of the City and also constitutes most of the Santa Ana plateau to the west of the City. The bedrock unit consists of laminated to thinly bedded metasilstone, claystone, and shale.

GEOLOGIC HAZARDS

The potential extent and severity of any non-earthquake related geologic hazard varies throughout the General Plan Planning Study Area depending upon the underlying geology, topography, groundwater conditions, and soil type. The most common geologic hazards that may be encountered within the City are expansive soils, collapsed soils, loading settlement, subsidence, and hazardous minerals/radon.

Expansive Soils

Expansive soils are surface deposits rich in clays that expand when wet and shrink when dried. The change in volume can exert detrimental stresses on buildings and cause structural damage. Expansive soils can be widely dispersed and can be found in hillside areas as well as low-lying alluvial basins. There have been reported cases of expansive clay layers within the Pauba formation and Alluvial-Valley deposits.



Source: County of Riverside, City of Murrieta; USGS, 2006, Geologic map of the San Bernardino and Santa Ana 30' x 60' quadrangles, California, Version 1.0, Open File Report 2006-1217, Digital.

07/11 • JN 10-106976

Regional Geology Map

Exhibit 5.8-1

Back of 11 x 17 Exhibit

Collapsed Soils

The collapsed soils process, or hydro-consolidation, typically occurs in recently deposited soils (Holocene age – less than 10,000 years old) that were deposited in an arid or semi-arid environment. These soils typically contain a high percentage of voids and possess low relative density. The soil particles may be partially supported by clay or silt, or chemically cemented with carbonates. When inundated by water, the soils collapse and substantial settlement occurs.

Damage to structures and ground cracking due to hydro-consolidation (collapse) of recent alluvial deposits has occurred in the California Oaks area of Murrieta. Documented collapsible soils in the California Oaks area were documented to be the most severe and resulted in significant property damage. It was determined that the alluvium was left in place during rough grading, and later collapsed when ground water levels rose due to rise in groundwater or irrigation.

Loading Settlement

Loading settlement can be immediate or occur gradually over a long period of time. Immediate settlement is normally associated with loose granular soils when subjected to loads. Long-term or consolidations settlement normally takes place in soft saturated silts and clays. These soils are generally found in young alluvium or loosely deposited materials.

Subsidence

Subsidence is the ground settlement that results over time from the extraction of oil or groundwater. This process usually extends over a large area and occurs on a gradual basis so the settlement effects on a single site, relative to its immediate neighbors, may be negligible as the neighboring properties are also subsiding. However, ground fissuring due to subsidence can cause structural damage and should be evaluated by the site specific geotechnical report. Although there are no reports of significant subsidence due to groundwater withdrawal in the City, alluvial valley areas are considered susceptible; refer to *Exhibit 5.8-2, Subsidence Susceptibility Map*.

Hazardous Materials/Radon

Naturally occurring geologic formations throughout California may contain minerals that are considered hazardous. Hazardous minerals include asbestos, mercury and rocks that contain small amounts of uranium and thorium that decay and release radioactive radon gas. Radon gas is a naturally occurring radioactive gas that is tasteless, odorless, and invisible. Radon gas becomes hazardous when confined in buildings and the long term exposure levels in the air exceed the United States Environmental Protection Agency's (U.S. EPA) concentration of 4 picocuries per liter (4pCi/L). Per the California Department of Public Health Services website, rocks containing the minerals that release radon gas exist in the Murrieta area.

Seismicity and Faulting

The City of Murrieta, like the rest of southern California, is located within a seismically active region as a result of being located near the active margin between the North American and Pacific tectonic plates. The most significant known active fault zones that are capable of seismic ground shaking and can impact the City are the Elsinore Fault Zone, San Jacinto Fault Zone, Newport-Inglewood Fault Zone, and the San Andreas Fault Zone.

Elsinore Fault Zone: The Elsinore Fault Zone, which includes the local Elsinore-Temecula fault, passes through the City to the west of Interstate I-15; refer to *Exhibit 5.8-3*, *Alquist-Priolo Earthquake Fault Zone Map* and *Exhibit 5.8-4*, *Riverside County Fault Hazard Map.* The Elsinore-Temecula Fault Zone is capable of generating a Maximum Earthquake Magnitude (Mw) of 6.8 per the Richter scale.

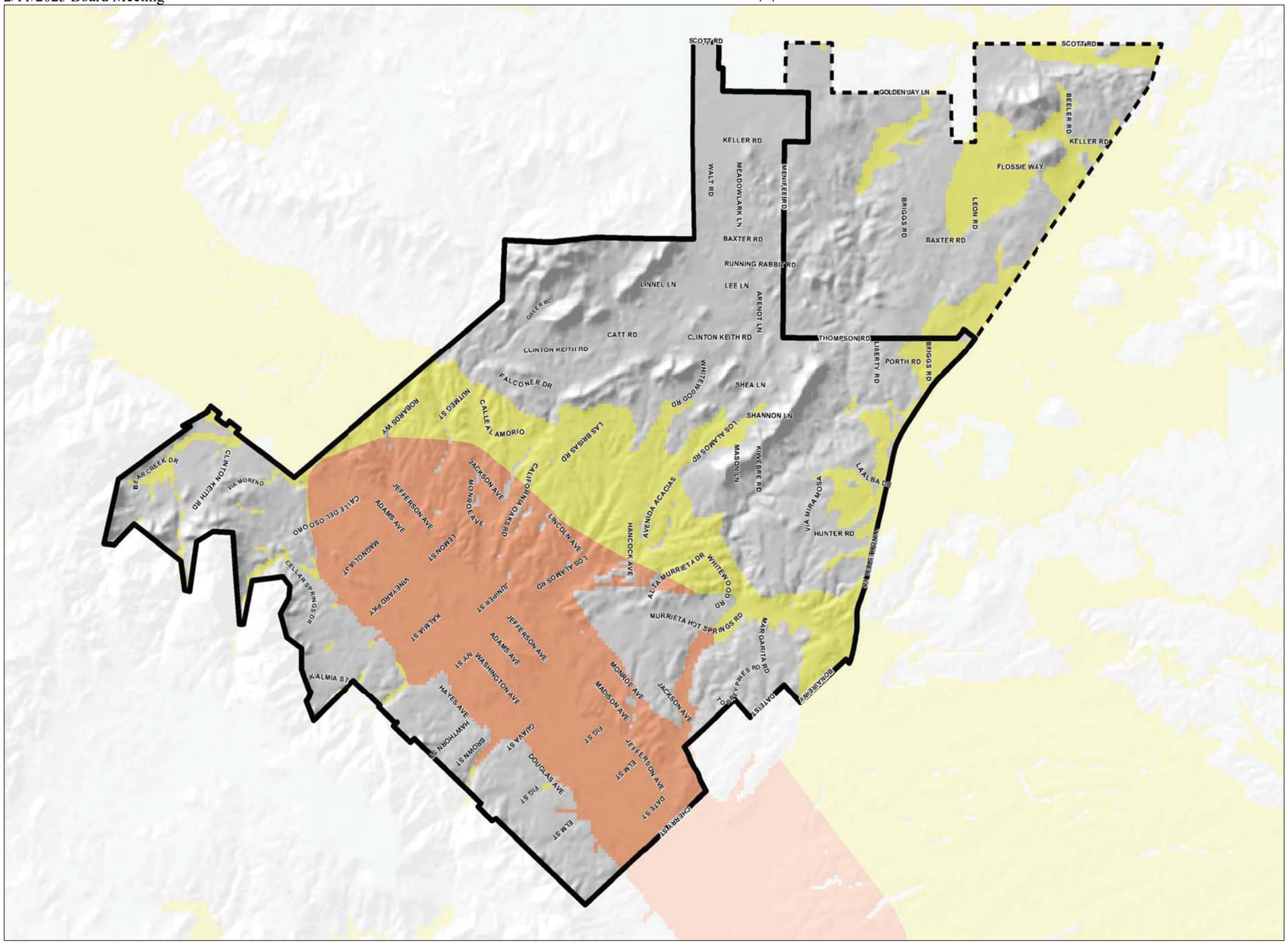
San Jacinto Fault Zone: The San Jacinto Fault Zone is located approximately 21 miles northeast of the City and is capable of generating earthquakes in excess of 7.2 Mw.

Newport-Inglewood Fault Zone (offshore): The Newport-Inglewood Fault Zone is located approximately 28 miles southwest of the City and is capable of generating earthquakes in excess of 6.9 Mw.

San Andreas Fault Zone (southern section): The San Andreas Fault Zone is located approximately 38 miles northeast of the City and is considered the dominant active fault in California. This fault zone is capable of generating earthquakes in excess of 7.4 Mw.

The State Geologist designates seismic hazard zones and the State issues earthquake fault zone maps to assist cities and counties in avoiding the hazard of surface fault rupture. The State identified two Alquist-Priolo Earthquake Fault Zones within Murrieta. The Temecula Segment of the Elsinore Fault Zone traverses the City and the Murrieta Creek Fault is located at the extreme southwest corner of the City; as shown in *Exhibit 5.8.3*, *Alquist-Priolo Earthquake Fault Zone Map*. The earthquake fault zones extend approximately 500 feet in width on either side of a major active fault trace and approximately 200 to 300 feet in width on either side of a well defined minor active fault, as designated by the State. Development of a building designated for human occupancy is generally restricted within 50 feet of an identified fault.

In addition to the State Alquist-Priolo Hazards Act mapping, the County of Riverside has zoned fault systems and required similar special studies prior to land development. These are referred to as County Earthquake Fault Zones as shown in *Exhibit 5.8-4*, *Riverside County Fault Hazard Map.*



LEGEND

Subsidence Susceptibility

- Active
- Susceptible

- Murrieta City Boundary
- Murrieta City Sphere of Influence

0 0.5 1
Miles

Source: Riverside County, 2007, Subsidence Data.

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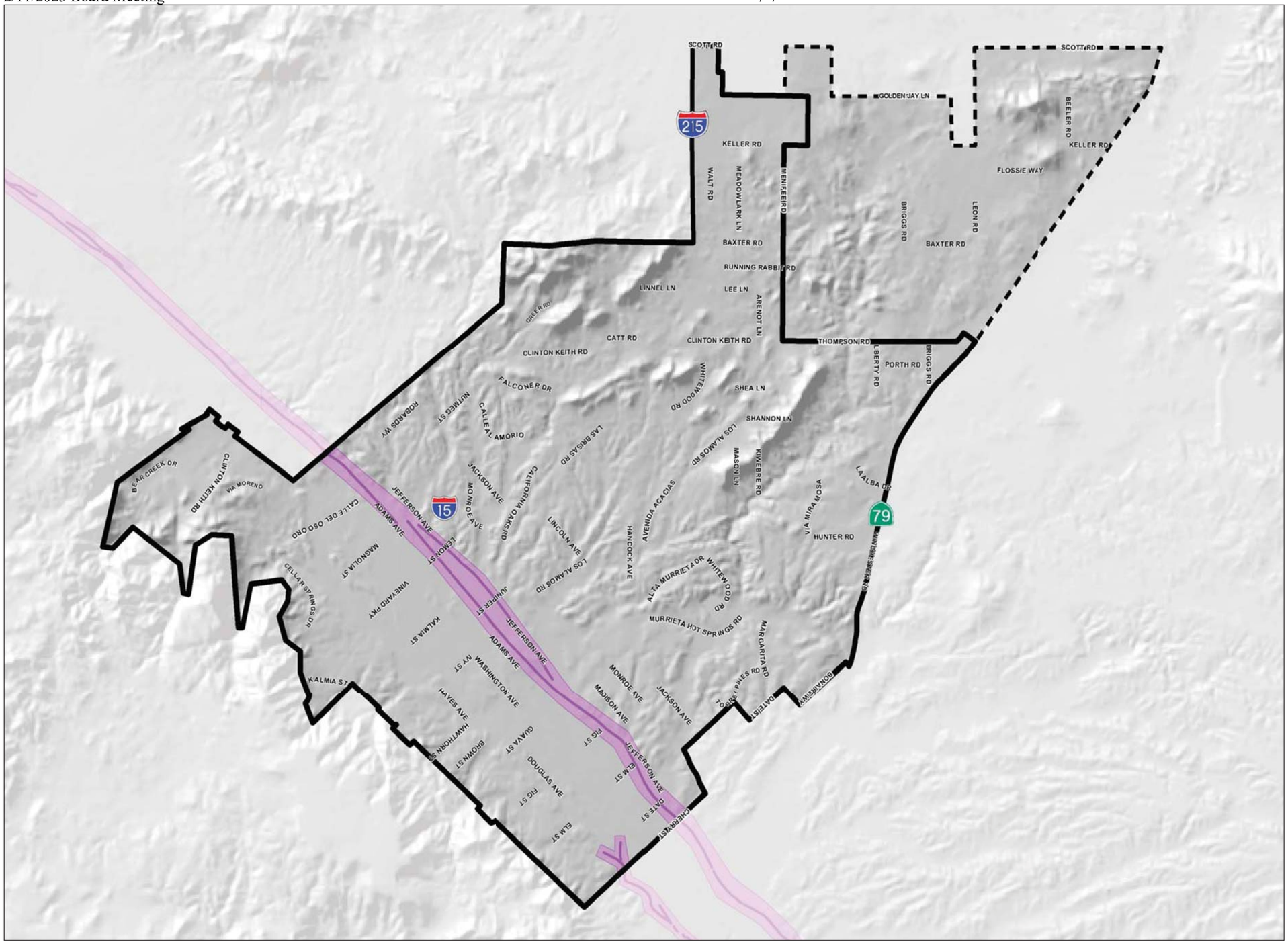
Subsidence Susceptibility Map

Exhibit 5.8-2

Back of 11 x 17 Exhibit



LEGEND

- Alquist-Priolo Earthquake Faults
- Alquist-Priolo Earthquake Fault Zones
- Murrieta City Boundary
- Murrieta City Sphere of Influence

0 0.5 1
Miles

Source: CGS, 2002, State of California Alquist Priolo Fault Zones and Faults, Digital Files.

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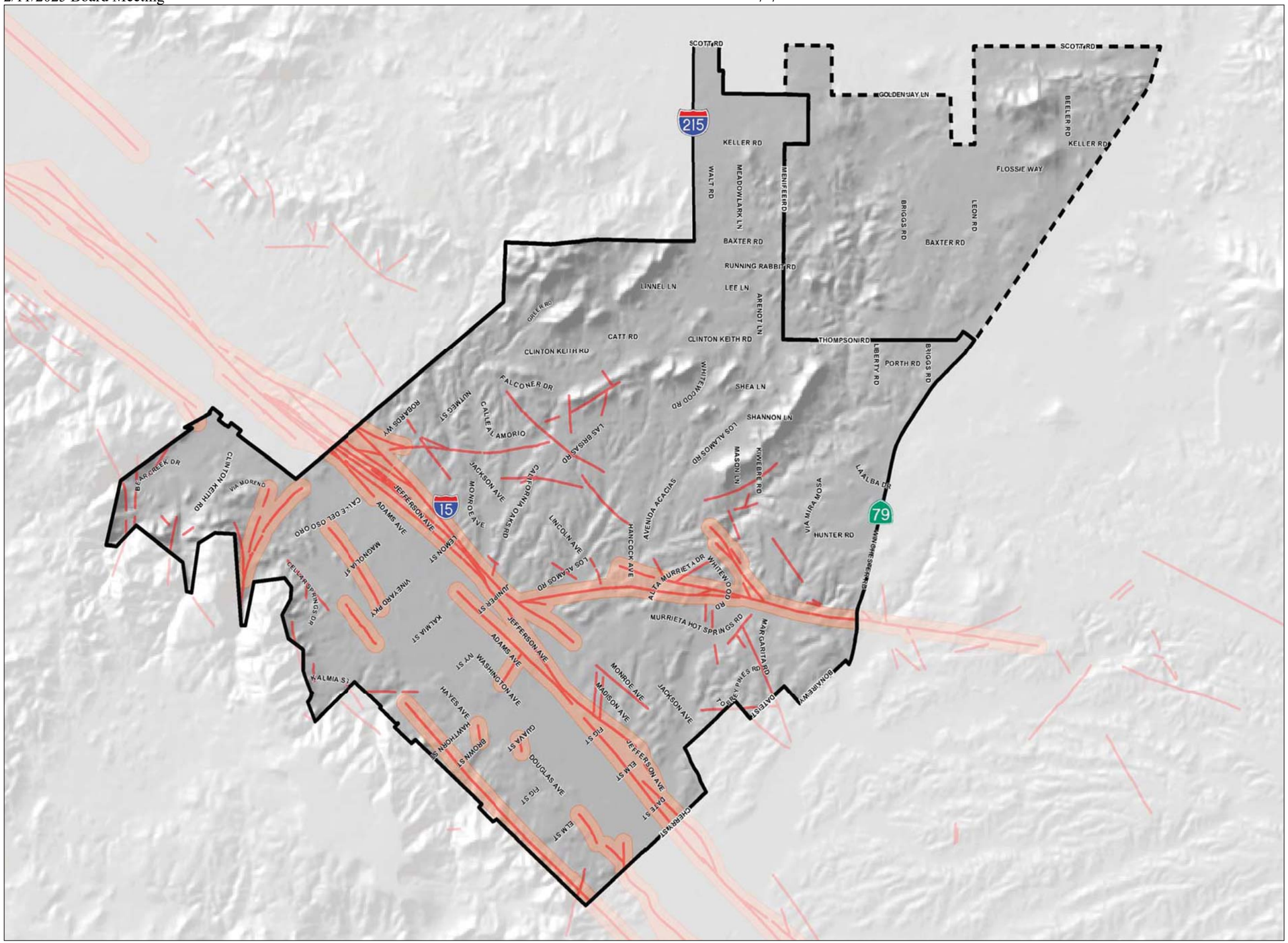
Alquist-Priolo Earthquake Fault Zone Map

Exhibit 5.8-3

Back of 11 x 17 Exhibit



LEGEND

- Riverside County Earthquake Faults
- Riverside County Earthquake Fault Zones
- Murrieta City Boundary
- Murrieta City Sphere of Influence

0 0.5 1
Miles

Source: Riverside County Earthquake Fault Zones and Faults, Digital Files.

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Riverside County Fault Hazard Map

Exhibit 5.8-4

Back of 11 x 17 Exhibit

Fault Rupture

Faults throughout southern California have formed over millions of years. Some of these faults are generally considered inactive under the present geologic conditions. As mentioned above, several State and County fault systems are mapped within the City boundaries and any proposed tracts of four or more dwelling units or critical structures including hospitals, emergency structures, or schools must investigate the potential for and setback from ground rupture hazards. Typically, this is accomplished by excavation of a trench across the site, determining the location of faulting and establishing building setbacks.

Ground Shaking

The intensity of earthquake ground shaking varies from one area to another depending primarily upon the distance to the fault, magnitude of the earthquake, and the local geology. The effect of seismic shaking on future structures and land development projects within the City may be mitigated by adhering to the *CBSC* or applicable codes and standards at the time. Site-specific peak and spectral accelerations are to be developed in accordance with the *CBSC*, and the guidelines included in American Society of Civil Engineers Standard 7-05. Typical seismic design values per the *CBSC* for study areas 1 through 3 are provided below. The *CBSC* regulates the design and construction of foundations, building frames, retaining walls, excavations, and other building elements to mitigate the effects of seismic shaking and adverse soil conditions. The procedures and limitations for the design of structures are based on site characteristics, occupancy type, structural system, height, configuration, and seismic zoning.

Secondary Seismic Hazards

Ground shaking can induce secondary seismic hazards such as liquefaction, lateral spreading, subsidence, ground fissuring, and landslides.

Dynamic Settlement/Liquefaction

Liquefaction of saturated cohesionless soils can be caused by strong ground motion resulting from earthquakes. Soil liquefaction is a process in which saturated, cohesionless soils lose their strength due to the build-up of excess pore water pressure during cyclic loading such as that induced by earthquakes. The primary factors affecting the liquefaction potential of deposit are: 1) intensity and duration of earthquake shaking; 2) soil type and relative density; 3) overburden pressures; and 4) depth to groundwater. Soils most susceptible to liquefaction are clean, loose, uniformly graded, fine-grained sands, and non-plastic silts that are saturated. Silty sands, under specific site conditions, may also be susceptible to liquefaction. A majority of the alluvial deposits along the Murrieta Creek lie within a liquefaction hazard zone per County of Riverside; refer to *Exhibit 5.8-5*, *Liquefaction Susceptibility Map.* Most of these alluvial soils are also considered susceptible to liquefaction per State Seismic Hazard Zones; refer to *Exhibit 5.8-6*, *State Seismic Hazard Zones.*

Lateral Spreading

The process of liquefaction may also produce lateral spreading of soils adjacent to a body of water or water course (Murrieta Creek and Warm Springs Creek). Lateral spreading is therefore considered a liquefaction-induced ground failure whereby block(s) of surficial intact natural or artificial fill soils displace downslope or towards a free face along a shear zone that has formed within the liquefied sediment. The displacement of the ground surface associated with the lateral spreading may be on the order of several inches to several feet at the top of the slope and may affect areas well beyond the top of slope. Developments located further from the creeks or drainage courses are anticipated to be at less risk from lateral spreading than those adjacent to the creek embankment.

Differential Subsidence and Ground Fissuring

Ground fissuring typically develops along previous established planes of weakness such as possibly potentially active and active fault traces as well as along steep buried contacts between bedrock to recent alluvial soils. The active Elsinore-Temecula and the Murrieta Creek Fault may develop fissuring along the fault trace during a significant seismic event or groundwater elevation change. As such, there is a low to high potential for ground fissuring and associated differential subsidence along the active fault zones. If commercial water wells are installed within or near the subsidence zone, the potential for ground fissuring and differential settlement could be substantially increased.

Landslides

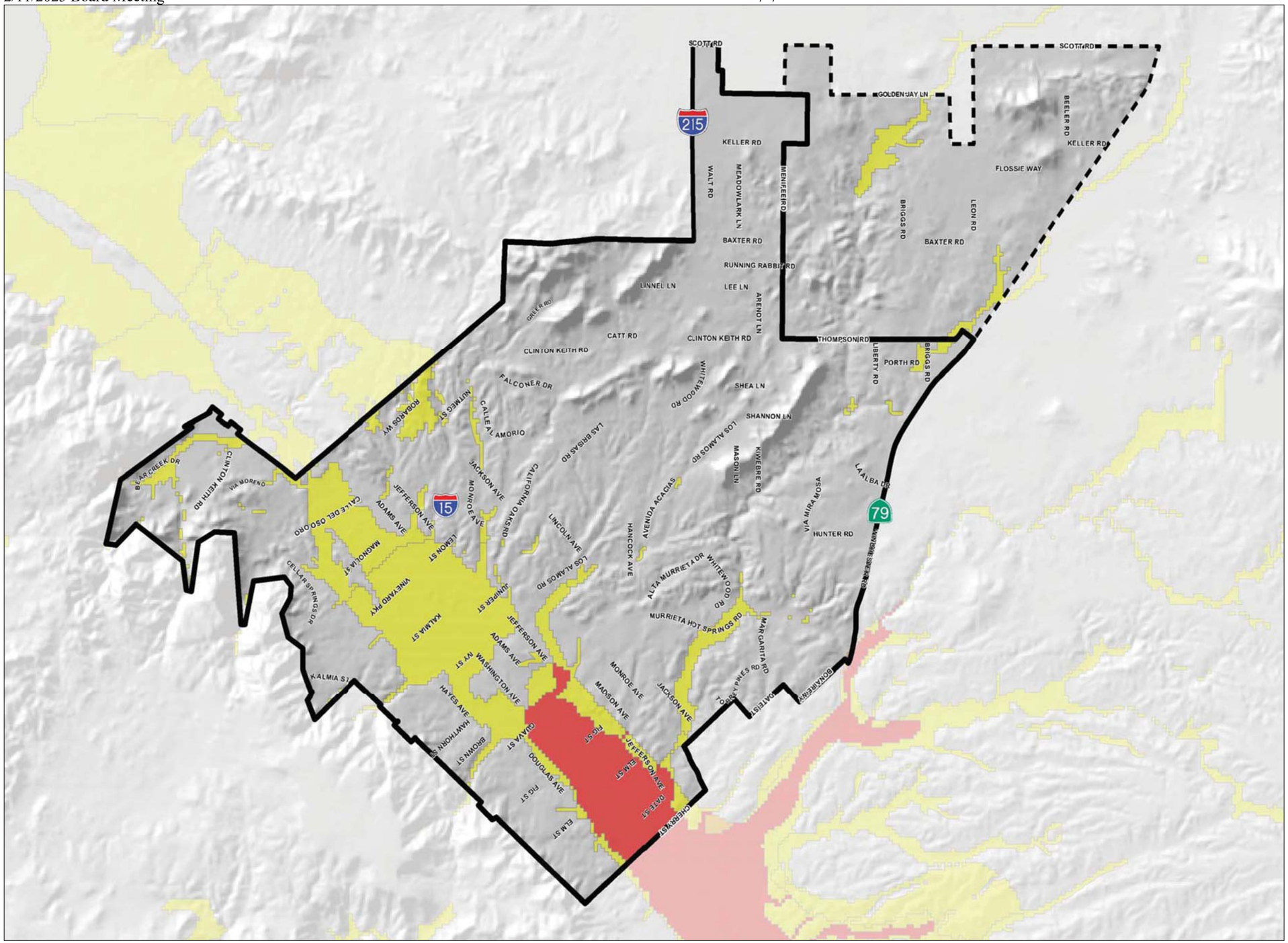
The potential for earthquake-related landsliding within the City limits is based on known conditions and published geologic maps. Several old landslides have been mapped in areas along the Santa Ana Mountains eastern slopes and the hills along the northern side of the City. The State Seismic Hazard Zones provides locations of previous known landsliding or where local conditions indicate a potential for ground displacements; as shown in *Exhibit 5.8-6*, *State Seismic Hazard Zones.*

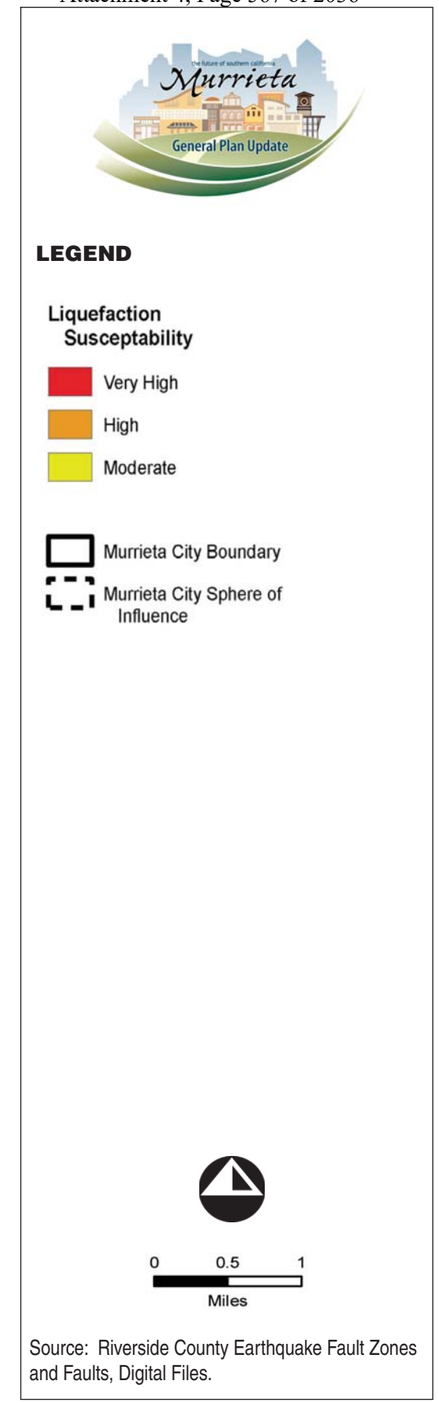
Rock Fall Hazards

The potential for rock fall due to natural weathering and instability or rock falls due to a seismic event are possible in areas of the City. The hazard areas are limited to those properties at the base of hill sides where rocks and boulders exist.

Seiches and Tsunamis

Due to the great distance to large bodies of water, the possibility of seiches and tsunamis impacting the City is considered remote. The nearest large body of water is Lake Elsinore, located approximately 6¼ miles northwest.





Source: Riverside County Earthquake Fault Zones and Faults, Digital Files.

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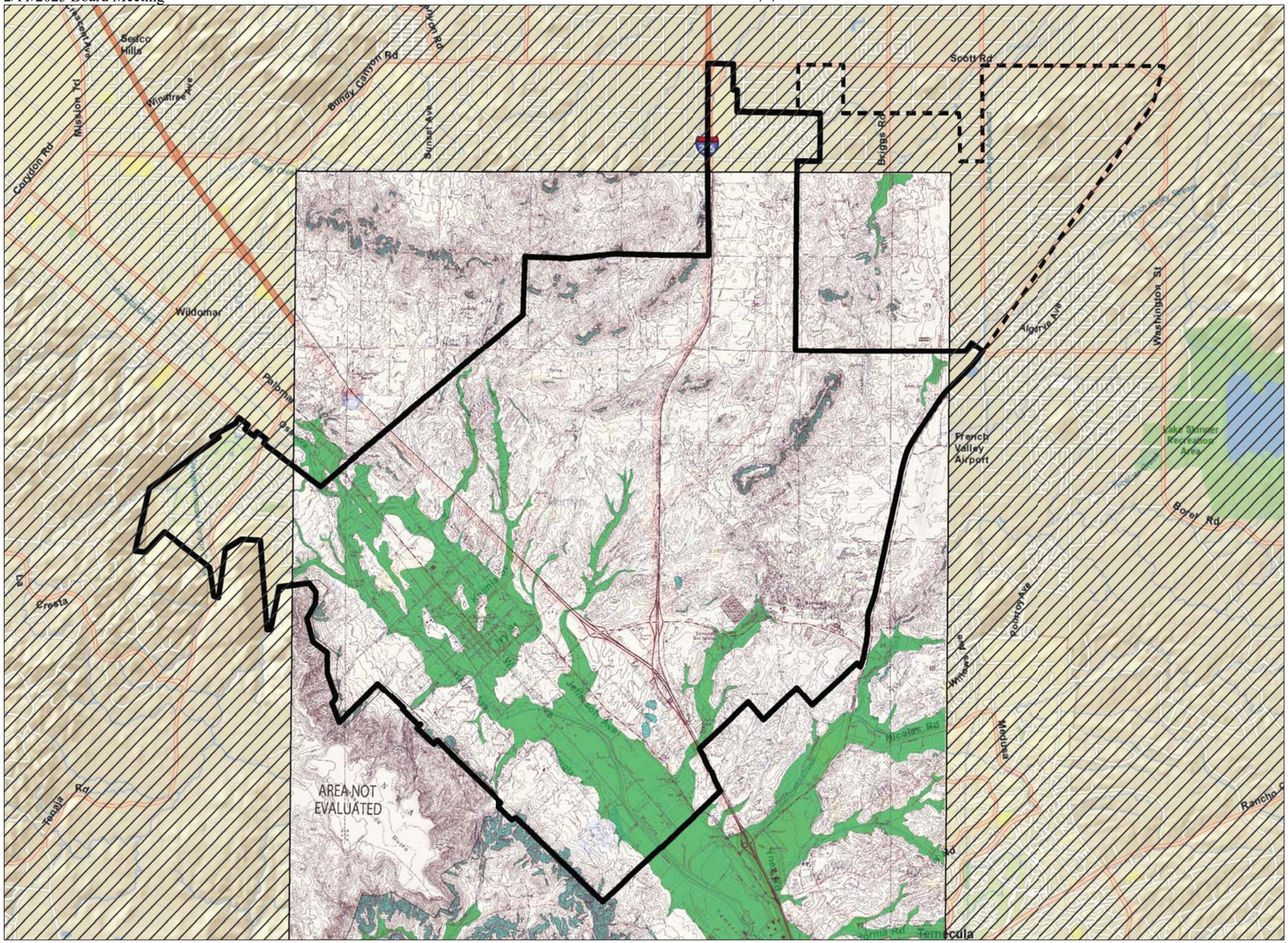
Liquefaction Susceptibility Map

Exhibit 5.8-5

Back of 11 x 17 Exhibit



Source: Basemap - ESRI Resource Center Maps, January 2010. Thematic Layer Source - Digital Scan of CGS Seismic Hazard Zones Map, Murrieta Quandrangle, December 5, 2007.

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State Seismic Hazard Zones Map

Exhibit 5.8-6

Back of 11 x 17 Exhibit

5.8.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, geology and seismic hazard impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Expose people or structures to potential substantial adverse effects, including the risk of loss, injury or death involving;
    - Rupture of a known earthquake fault, as delineated on the most recent Alquist Priolo Earthquake Fault Zone Map issued by the State Geologist for the area or based on other substantial evidence of a known fault.
    - Strong seismic ground shaking.
    - Seismic-related ground failure, including liquefaction.
    - Landslides.
- Result in substantial soil erosion or the loss of topsoil.
- Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in landslides, lateral spreading, subsidence, liquefaction or collapse.
- Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code, creating substantial risk to life or property.
- Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.8.4 PROJECT IMPACTS AND MITIGATION MEASURES

FAULT RUPTURE AND SEISMIC GROUNDSHAKING

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD EXPOSE PEOPLE AND STRUCTURES TO POTENTIALLY SUBSTANTIAL ADVERSE EFFECTS INVOLVING FAULT RUPTURE OR STRONG SEISMIC GROUNDSHAKING.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: The City of Murrieta, like the rest of southern California, is located within a seismically active region as a result of being located near the active margin between the North American and Pacific tectonic plates. The most significant known active fault zones that are capable of seismic ground shaking and can impact the City are the Elsinore Fault Zone, San Jacinto Fault Zone, Newport-Inglewood Fault Zone, and the San Andreas Fault Zone. The Elsinore fault zone runs through the City on the west side of I-15. Furthermore, the San Jacinto, Newport-Inglewood, and San Andreas Fault Zones, all capable of generating ground shaking in Murrieta, are all located within 40 miles of the City. The City is situated on undocumented fill, alluvial deposits, pauba formation, granitic rock, and would likely experience groundshaking due to a seismic event.

The intensity of groundshaking would depend upon the magnitude of the earthquake, distance to the epicenter and the geology of the area between the epicenter and the City. Development anticipated under the proposed General Plan 2035 potentially would result in the addition of 10,734 dwelling units and 36,210,757 square feet throughout the City, thereby exposing more residents and employees to the effects of ground shaking from locally and regionally generated earthquakes.

Strong seismic groundshaking could result in substantial damage to some new buildings within the City. The effects of groundshaking would be sufficiently mitigated for buildings designed and constructed in conformance with current building codes and engineering standards. However, there is the possibility of partial to total collapse of buildings built prior to 1933 and some tilt-up concrete block buildings built prior to 1972. Structural vulnerabilities in older buildings that are less earthquake resistant are most likely to contribute to the largest source of injury and economic loss as a result of an earthquake. However, most of the existing homes in the City were constructed after the adoption of modern building codes, which have been established to reduce seismic impacts on structures.

Implementation of the proposed General Plan 2035 could expose people or structures to potential substantial adverse effects as a result of strong seismic groundshaking. Impacts associated with seismically-induced groundshaking would be considered significant, unless mitigated.

Mitigation has been recommended in order to reduce impacts associated with seismically induced groundshaking to less than significant levels. The mitigation involves compliance with the recommendations detailed in site-specific Geotechnical Studies conducted as part of future development. Also, numerous controls would be imposed on future development through the permitting process that would further lessen impacts associated with seismically-induced groundshaking. The design, construction, and engineering of buildings within the City would be subject to compliance with the City's *Building Code* and *CBSC*. Additionally, the proposed General Plan 2035 Safety Element includes goals and policies to protect the community from risks associated with seismic hazards. These measures acknowledge safety concerns pertaining to seismic groundshaking. All future development would be subject to compliance with applicable building codes (i.e., City Building Code, California Building Standards Code), proposed General Plan 2035 Safety Element goals and policies, the Local Hazards Mitigation Plan, and recommended mitigation, which would lessen potential impacts associated with fault rupture and strong seismic groundshaking to less than significant levels.

Goals and Policies in the Proposed General Plan 2035:

SAFETY ELEMENT

Goal SAF-2 Damage from geologic and seismic hazards is minimized by identifying and addressing these hazards during the planning and engineering of built improvements.

Policies

SAF-2.1 Prior to site development, projects located in areas where liquefaction, subsidence, landslide and fissuring are considered hazards shall be required to prepare geologic reports addressing site conditions, potential risk, and mitigation, to the satisfaction of the City Engineer.

SAF-2.2 Require that all new development comply with the Alquist-Priolo Earthquake Fault Zoning Act.

SAF-2.3 Seek to maintain emergency access in the event of an earthquake by engineering roadways to reduce damage to them.

Goal SAF-12 Murrieta is prepared to coordinate effective response and recovery efforts for major emergencies.

Policies

SAF-12.1 Maintain an effective, coordinated and up-to-date Emergency Operations Plan in partnership with the Riverside County and other agencies.

SAF-12.2 Support a safe, secure, and technologically advanced Emergency Operations Center (EOC) to coordinate the City's response to disasters and maintain training of City personnel in operation of the EOC.

SAF-12.3 Review and test the City's Emergency Operations Plan periodically to note any deficiencies or practices requiring modification.

SAF-12.4 Provide training to maintain City staff proficiency in implementation of the Emergency Operations Plan, for all staffing levels.

SAF-12.5 Provide public outreach, presentations, and information that prepares residents and businesses to safeguard life and property during and immediately after emergencies.

SAF-12.6 Participate in regularly scheduled disaster exercises to better prepare Police, Fire and other City employees with disaster responsibilities.

SAF- 12.7 Continue to participate in maintaining the Riverside County Multi-Jurisdictional Local Hazard Mitigation Plan, and incorporate it into City planning efforts as appropriate.

Mitigation Measures:

GEO-1 Prior to issuance of a Grading Permit for each future development project, a registered geologist or soils engineer shall prepare an area-specific Geologic Study, which shall be submitted to the Public Works or Building and Safety Department for approval. The Geologic Study shall specify the measures necessary to mitigate impacts related to fault rupture, groundshaking, landslides, liquefaction or dynamic settling, expansive or collapsible soils, lateral spreading, and other geologic and seismic hazards, if any. All recommendations in the Geologic Study shall be implemented during area preparation, grading, and construction.

GEO-2 Prior to issuance of any Grading Permit, project applicants of future development projects shall comply with each of the recommendations detailed in the Geotechnical Study, and other such measure(s) as the City deems necessary to adequately mitigate potential seismic and geotechnical hazards.

Level of Significance After Mitigation: Less than Significant Impact.

GROUND FAILURE

IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD EXPOSE PEOPLE AND STRUCTURES TO POTENTIAL SUBSTANTIAL ADVERSE EFFECTS FROM SEISMIC-RELATED OR OTHER TYPES OF GROUND FAILURES.

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Implementation of the proposed General Plan 2035 would result in potential significant impacts involving the exposure of people or structures to potential substantial adverse effects, particularly in the Geology Study Areas involving earthquake-induced landslides or differential subsidence and ground fissuring.

Earthquake-Induced Landslides. Several landslide areas have been mapped in areas along the Santa Ana Mountains and the hills along the northern side of the City, as shown in *Exhibit 5.8-6, State Seismic Hazard Zones.* Thus, there is the potential for landslides in the Clinton-Keith/Mitchell and the South Murrieta Business Corridor Focus Areas.

Differential Subsidence and Ground Fissuring. Fissuring typically develops along previous established planes of weakness such as active and potentially active faults. The active Elsinore-Temecula and the Murrieta Creek fault may develop fissuring along the fault trace during a significant seismic event or groundwater elevation change. As such, there is a low to high potential for ground fissuring and associated differential subsidence along the active fault zones.

In addition, portions of the City of Murrieta are subject to liquefaction, “dry” settlement, and lateral spreading during a seismic event because of the presence of alluvial-channel deposits, particularly located in Geology Study Areas 1 and 2, which correspond to the South Murrieta Business Corridor and the Golden Triangle North (Central Murrieta) Focus Areas.

Site-specific reports would be required for future development projects (Mitigation Measure GEO-1), including an evaluation of liquefaction hazards or dynamic densification of dry or moist soil above the water table. The site-specific evaluation for future development projects would need to include an evaluation for settlement associated with dynamic densification of dry soils. To reduce the effects and magnitude of seismically-induced dynamic settlements, remedial grading measures or ground improvement techniques are normally implemented. In addition, the site-specific reports should determine whether the potential for landsliding or slope instability exists, and whether buttressing or other slope stabilization methods are required. The reports should also identify the potential presence of such soils based on laboratory testing and provide mitigation measures to reduce their impact on the proposed improvements. Such measures typically include compacting and removing of the collapsible soils.

Impacts related to ground failure are considered significant unless mitigated. Mitigation Measure GEO-1 requires site-specific geologic investigation of liquefaction potential, as well as any other geologic and seismic hazards and mitigation measures. Mitigation Measures GEO-2 requires the implementation of recommended measures identified in a Geotechnical Study to reduce impacts. Further, the Seismic Hazards Mapping Act specifies that the lead agency may withhold development permits until geologic or soils investigations are conducted for specific sites and mitigation measures are incorporated into plans to reduce hazards associated with seismicity and unstable soils. If a geologic report concludes liquefaction impacts cannot be reduced to less than significant with mitigation as necessary, development would not be permitted. Therefore, following compliance with the proposed General Plan 2035 Safety Element goals and policies and with the recommended mitigation measures, impacts would be less than significant in this regard.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.8.

Mitigation Measures: Refer to Mitigation Measures GEO-1 and GEO-2. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

SOIL EROSION/LOSS OF TOPSOIL

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN IMPACTS RELATED TO SOIL EROSION OR LOSS OF TOPSOIL.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Construction activities associated with future development projects within the City have the potential to result in soil erosion during excavation, grading and soil stockpiling, subsequent siltation, and conveyance of other pollutants into municipal storm drains. Construction associated with future development would be required to comply with the requirements of the Municipal National Pollutant Discharge Elimination System (NPDES) Construction Permit and would implement City grading permit regulations that include compliance with erosion control measures, including grading and dust control measures.

Specifically, construction associated with future development projects must comply with *Title 15*, Chapter 15.52, of the City's *Municipal Code*, which requires necessary permits, plans, plan checks, and inspections to reduce the effects of sedimentation and erosion. In addition, construction associated with future development projects would be required to have erosion control plans approved by the City of Murrieta Departments of Public Works and Building and

Safety, as well as Storm Water Pollution Prevention Plans (SWPPP). As part of these requirements, Best Management Practices (BMPs) would be implemented during construction activities to reduce soil erosion to the maximum extent possible. Furthermore, all construction activities would be required to comply with SCAQMD Rule 403 regarding the control of fugitive dust. Therefore, compliance with the proposed General Plan 2035 Safety Element goals and policies, and compliance with the City's applicable building regulations regarding erosion control and SCAQMD Rule 403 would ensure that impacts related to soil erosion during construction phases of future development projects would be less than significant.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.8.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

SOIL

- **FUTURE DEVELOPMENT RESULTING FROM IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN IMPACTS RELATED TO EXPANSIVE SOILS, SOIL STRENGTH, OR THE POTENTIAL TO SUPPORT SEPTIC TANKS OR ALTERNATIVE WASTE WATER DISPOSAL SYSTEMS.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: The City is underlain primarily by several surficial deposits and/or bedrock units. These deposits include alluvial-valley and alluvial-channel deposits which are made of gravel, sand, silt, and clay, and are subject to liquefaction. In some areas, these soil types exceed 100 feet in depth. In some areas, groundwater is estimated to be at a depth of 10-30 feet below ground surface. Soils with a percentage of clay have the potential to expand when water is added and shrink when water is lost, resulting in what is called expansive soils. Expansive soils can result in damage to overlying structures and infrastructure.

Site-specific reports would be required for future development projects (Mitigation Measure GEO-1) and these reports, typically identify the extent of the expansive soils and provide mitigation measures to reduce their impact on the proposed improvements. Such measures may include structural mitigation or ground improvement. In addition, the *California Building Standards Code* contains minimum requirements for construction on expansive soils.

In addition, in areas that are not currently supported by water or wastewater infrastructure (refer to *Section 5.15*, *Water Supply*, and *Section 5.16*, *Wastewater*, future development would be required to install septic systems or alternative waste water disposal systems. Prior to the installation of such systems, project applicants would be required to comply with applicable City or Riverside County requirements. However, future development projects associated with the implementation of the proposed General Plan 2035 are not anticipated to create impacts to soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste. Impacts are considered less than significant in this regard.

Future development projects associated with implementation of the proposed General Plan 2035 would be required to comply with all applicable building codes (i.e., *City Building Code*, and C*alifornia Building Standards Code*) and Mitigation Measures GEO-1 and GEO-2. Therefore, compliance with the proposed General Plan 2035 Safety Element goals and policies, and with the recommended mitigation measures would reduce impacts regarding expansive soils to a less than significant level.

Goals and Policies, in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.8.

Mitigation Measures: Refer to Mitigation Measures GEO-1 and GEO-2. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

5.8.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS RELATED TO SEISMIC, GEOLOGIC, AND SOIL CONDITIONS.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Although conditions conducive to potential seismic and geologic hazards occur regionally, the increased exposure of people and structures to these hazards resulting from buildout of the proposed General Plan 2035 would be specific to the City of Murrieta. However, increased growth within the subregion, as a result of the proposed General Plan 2035 and other projects, would contribute to the cumulative exposure of people and structures to geologic and seismic hazards. As concluded above, impacts related to seismic, geologic, and soil conditions

associated with implementation of the proposed General Plan 2035 would be less than significant with adherence to the *CBSC*, *Municipal Code*, and NPDES requirements. Unsafe seismic, geologic, and soil conditions exist throughout southern California and new development in such areas could result in potentially significant impacts. These potential impacts would be evaluated on a project-by-project basis in accordance with CEQA. If a specific site were determined to create a significant impact that could not be feasibly mitigated, the site would not be appropriate for development. Individual development projects under the proposed General Plan 2035 would undergo site-specific evaluation to determine the threat and the cumulative threat of regional seismic and geologic hazards. This process, along with compliance to the proposed General Plan 2035 Safety Element goals and policies, Federal and State laws, local building codes, and public safety standards would result in less than significant cumulative impacts related to potential seismic, geologic, and soil hazards. Therefore, implementation of the proposed General Plan 2035 would not result in cumulatively considerable impacts involving seismic and geologic hazards.

Goals and Policies, in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.8.

Mitigation Measures: Refer to Mitigation Measures GEO-1 and GEO-2. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

5.8.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Impacts related to geologic, soil, and seismicity associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with policies and implementation measures in the proposed General Plan 2035. No significant unavoidable geologic, soil, and seismic impacts would occur as a result of buildout of the proposed General Plan 2035.

5.8.7 SOURCES CITED

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the future of southern california
Murrieta
General Plan Update

Section 5.9:
Cultural Resources

5.9 CULTURAL RESOURCES

The purpose of this section is to identify cultural and historical resources within the City of Murrieta and Sphere of Influence, and evaluate potential impacts to such resources that could result from implementation of the proposed General Plan 2035. Cultural resources relate to archaeological remains, historic buildings, traditional customs, tangible artifacts, historical documents, and public records, which make Murrieta unique or significant. This section is based upon the information contained in the *Cultural Resources Assessment* prepared by LSA Associates, Inc., January 4, 2010, and included in Appendix I.

5.9.1 REGULATORY SETTING

FEDERAL

National Historic Preservation Act

Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended, established a national policy of historic preservation, and encourages such preservation. The NHPA established the Advisory Council on Historic Preservation (ACHP) and provided procedures for the agency to follow if a proposed action affects a property that is included, or that may be eligible for inclusion, on the National Register of Historic Places (NRHP). The NRHP was developed as a direct result of the NHPA.

Section 106 requires that the head of any Federal agency having direct or indirect jurisdiction over a proposed Federal or Federally-assisted undertaking in any state, and the head of any Federal department or independent agency having authority to license any undertaking, shall, prior to the approval of the expenditure of any Federal funds on the undertaking or prior to the issuance of any license, take into account the effect of the undertaking on any district, site, building, structure, or object that is included in or eligible for inclusion in the National Register. The head of any such Federal agency is required to allow the ACHP a reasonable opportunity to comment with regard to such undertaking.

National Register of Historic Places

The National Register of Historic Places is the official list of properties that have been recognized for their significance and worthiness of long-term preservation. The National Register Criteria for Evaluation establishes guidelines utilized by Federal, State, and local governments, private groups, and citizens to assess the significance of cultural resources and to identify those properties that should be considered for protection from demolition, destruction, or

alteration. To be listed in the NRHP, or deemed eligible for listing, properties must meet certain criteria for historic or cultural significance. Qualities of significance may be found in aspects of American history, architectural design or theme (interpreted in the broadest sense to include landscape architecture and planning), archaeology, engineering, or culture. The following criteria are used to determine the eligibility of properties for listing on the NRHP:

- ***Criterion A*** – It is associated with events that have made a significant contribution to the broad patterns of our history.
- ***Criterion B*** – It is associated with the lives of persons who are significant in our past.
- ***Criterion C*** – It embodies the distinctive characteristics of a type, period, or method of construction, or it represents the work of a master or possesses high artistic values or represents a significant and distinguishable entity whose components may lack individual distinction.
- ***Criterion D*** – It has yielded, or may be likely to yield, information important in prehistory and history.

Each resource eligible for listing on the NRHP must demonstrate qualities of integrity, measured by the degree to which the resource retains its historic location, design, setting, materials, workmanship, feeling, and/or association. To be considered for listing, the resource must (generally) be a minimum of 50 years of age; however, some exceptions and overriding considerations to this requirement do occur. Listing on the NRHP does not in and of itself provide protection for a historic resource. Listing on the NRHP instead allows owners of such resources eligibility for financial and tax incentives to assist in the rehabilitation or preservation of such resources.

Criteria Considerations. The National Register does not typically consider cemeteries, birthplaces, or graves of historical figures; properties owned by religious institutions or used for religious purposes; structures that have been moved from their original locations; reconstructed historic buildings; properties primarily commemorative in nature; or, properties that have achieved significance within the past 50 years as eligible for the National Register; however, such properties may qualify if they are integral parts of districts that are determined to meet the criteria, or if they fall within any of the following categories:

- A religious property deriving primary significance from architectural or artistic distinction or historical importance;
- A building or structure removed from its original location but which is significant primarily for architectural value, or which is the surviving structure most importantly associated with a historic person or event;
- A birthplace or grave of a historical figure of outstanding importance if there is no appropriate site or building directly associated with his or her productive life;

- A cemetery which derives its primary significance from graves of persons of transcendent importance, from age, from distinctive design features, or from association with historic events;
- A reconstructed building when accurately executed in a suitable environment and presented in a dignified manner as part of a restoration master plan, and when no other building or structure with the same association has survived;
- A property primarily commemorative in intent if design, age, tradition, or symbolic value has invested it with its own exceptional significance; or,
- A property achieving significance within the past 50 years if it is of exceptional importance.

Integrity. Integrity involves the ability of a resource to convey its cultural or historical significance. In order to be eligible for inclusion on the National Register, a property or resource must be shown to be significant consistent with National Register criteria, as well as demonstrating integrity. Evaluation of integrity can be subjective; however, it must always be fundamentally grounded in an understanding of a property's physical features and how such features relate to its overall significance.

The National Register criteria recognize seven aspects or qualities that define integrity. To retain historic integrity, a property needs to possess several (and usually most) of these aspects. Knowing why, where, and when a property is significant is essential in determining which of these aspects is most important to a particular property. The National Register considers the following aspects in evaluating the level of integrity of a particular resource:

1. Location is the place where the historic property was constructed or the place where the historic event occurred.
2. Design is the combination of elements that create the form, plan, space, structure, and style of a property.
3. Setting is the physical environment of a historic property.
4. Materials are the physical elements that were combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property.
5. Workmanship is the physical evidence of the crafts of a particular culture or people during any given period in history or prehistory.
6. Feeling is a property's expression of the aesthetic or historic sense of a particular period of time.
7. Association is the direct link between an important historic event or person and a historic property.

Historic Rehabilitation and Tax Credits Program

The National Park Service (NPS) and the Internal Revenue Service (IRS), in partnership with State Historic Preservation Office (SHPO), are responsible for administering the Historic Rehabilitation Tax Credits program. This program rewards private financial investment in the rehabilitation of historic buildings that are listed in the National Register of Historic Places. Properties must be income-producing and must be rehabilitated according to rehabilitation standards set by the Secretary of the Interior for historic properties.

STATE

California Historical Resource (CHR) Status Codes

In order to be considered as significant, a resource must meet at least one of the above-listed criteria and retain enough integrity to support its period of significance and association within a historical context. A resource is assigned a CHR status code following evaluation to identify its significance level. The following general categories represent the status codes assigned to such resources considered for significance:

1. Properties listed in the National Register or the California Register.
2. Properties determined eligible for listing in the National Register or California Register.
3. Appears eligible for National Register or California Register through survey evaluation.
4. Appears eligible for National Register or California Register through other evaluation.
5. Properties recognized as historically significant by local government.
6. Not eligible for listing or designation as specified.
7. Not evaluated for National Register or California Register or needs re-evaluation.

Generally, resources that are assigned a CHR code of 6 are determined ineligible for designation under any criteria and are not considered historical resources for the purposes of CEQA or the Murrieta Cultural Resource Preservation Ordinance; however, several subcategories exist within each of the status codes that allow for various exemptions, such as whether or not a resource contributes to a Historic District.

California Register of Historical Resources

The California Office of Historic Preservation (OHP) established the California Register as an authoritative guide to historical resources in the State of California. Criteria used for inclusion of properties on this listing are as follows:

> "While the significance criteria for the California Register are similar to those used by the NRHP this new California Register will document the unique history of the Golden State."

To qualify for listing in the California Register, the resource must retain integrity and meet at least one of the following criteria:

1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
2. Is associated with the lives of persons important in our past;
3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual or possesses high artistic values; or,
4. Has yielded, or may be likely to yield, information important in prehistory or history.

Integrity is defined in the NRHP program as a property's ability to convey its significance. Evaluation of integrity may be a somewhat subjective judgment; however, it must be founded on "an understanding of a property's physical features and how they relate to its significance."

California Historic Building Code

The *California Historic Building Code* (*CHBC*) provides guidelines for the preservation, restoration, rehabilitation, relocation, and reconstruction of buildings or structures designated as qualified historical buildings or properties by a local, State, or Federal jurisdiction, as defined by *CHBC* Sections 8-218. The *CHBC* provides guidelines for long-term preservation efforts of qualified historical buildings or properties in order to allow owners to make improvements for access for persons with disabilities; to provide a cost-effective approach to preservation; and, to ensure overall safety of affected occupants or users.

As defined by the *CHBC*, a "qualified historical building" is "any building, site, structure, object, district, or collection of structures, and their associated sites, deemed of importance to the history, architecture, or culture of an area by an appropriate local, State, or Federal governmental jurisdiction. This includes designated buildings or properties on, or determined eligible for, official national, State, or local historical registers or official inventories, such as the National Register of Historic Places, California Register of Historical Resources, State Historical Landmark, State Points of Historical Interest, and officially adopted city or county registers, inventories, or surveys of historical or architecturally significant sites, places, or landmarks."[1]

California Environmental Quality Act

Pursuant to *CEQA Guidelines* Section 15064.5, the Lead Agency is required to evaluate whether a proposed project would have a significant adverse effect on unique historical or archaeological resources. *CEQA Guidelines* Section 15064.5(b) states that a substantial adverse change means physical demolition, destruction, relocation, or alteration in the resource, such that the resource is

[1] California Historic Building Code (Sections 18950 to 18961 of Division 13, Part 2.7 of California Health and Safety Code).

"materially impaired." An historical resource is considered to be materially impaired when a project demolishes or materially alters the physical characteristics that justify the determination of its significance.

In addition, under *CEQA Guidelines* Section 15064.5(b)(3), a project that seeks to improve an historic resource in accordance with either of the following publications will be considered as mitigated to a level of less-than-significant:

- Secretary of the Interior's Standards for Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings
- Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings

LOCAL

City of Murrieta Historic Preservation Advisory Commission

The City of Murrieta Historic Preservation Advisory Commission (HPAC) acts in an advisory capacity to the City Council with regard to the preservation of cultural and archaeological resources within the City's boundaries. Through the City Planner or Community Development Director, the HPAC makes recommendations to the City Council regarding the designation of cultural resources. Such resources may include individual properties, archaeological districts, or Historic Murrieta Specific Plan within the City. In addition, the HPAC is responsible for maintaining the register of designated cultural resources within the City; reviewing land use, redevelopment, municipal improvement and other planning matters and programs undertaken by the City with regard to cultural resources; providing recommendations to the City Council on the use of available Federal, State, local and private funding sources for protection of the City's cultural resources; and, reviewing applications for certificates of appropriateness related to demolition permits and development plan approval, in compliance with the City's *Development Code* for designated cultural resources.

City of Murrieta Development Code

Chapter 16.26, *Cultural Resource Preservation*, of the City of Murrieta *Development Code* (*Municipal Code*, *Title 16*, Article III, Chapter 16.26) is intended to "establish a mechanism by which community resources such as buildings, structures and sites within the City of Murrieta, which are of pre-historic or historic interest or value, or which exhibit special elements of the City's architectural, cultural, or social heritage may be identified, protected, enhanced, perpetuated and used in the interest of the public's health, safety, welfare, and enrichment."[2] The provisions of Chapter 16.26 are applicable to any cultural or archaeological resource, or identified historic preservation area located within the City's boundaries.

[2] City of Murrieta Municipal Code. Adopted 1995.

Murrieta Municipal Code §16.26.050: Designation Criteria for Cultural Resources, Archaeological Districts, and Historic Districts. Section 16.26.050 of the Development Code allows for an improvement or natural feature to be designated a cultural resource by the City Council, and any individual resource or area within the City may be designated as an archaeological district or historic preservation district by the City Council, if it meets any of the following criteria:

A. Individual Resource Designation

1. It exemplifies or reflects special elements of the City's cultural, architectural, aesthetic, social, economic, political, artistic and/or engineering heritage;
2. It is identified with persons, a business use or events significant in local, state or national history;
3. It embodies distinctive characteristics of style, type, period or method of construction or is a valuable example of the use of indigenous materials or craftsmanship;
4. It is representative of the notable work of a builder, designer or architect; or,
5. Its unique location or singular physical characteristic represents an established and familiar visual feature of a neighborhood, community or the City.

B. Local District Designation

A geographic area may be designated as a local archaeological district or historic preservation district if the City Council, after hearing(s), finds that all of the requirements set forth below are met. Concurrent with the designation of a historic preservation district, design guidelines shall be developed and shall apply to all properties within the historic preservation district.

1. Archaeological District

a. The area is a geographically definable area.

b. The area possesses either:

   1. A significant concentration or continuity of archaeological resources; or,
   2. The area is associated with the prehistory of Murrieta.

c. The designation of the geographic area as an archaeological district is reasonable, appropriate, and necessary to protect, promote, and further the goals and purposes of the ordinance codified in this chapter and is not inconsistent with other goals and policies of the City.

2. Historic Preservation District

a. The area is a geographically definable area:

b. The area possesses either:

1. A significant concentration or continuity of buildings unified by past events or aesthetically by plan or physical development; or,
2. The area is associated with an event, person, or period significant or important to Murrieta history.

c. The designation of the geographic area as a historic preservation district is reasonable, appropriate, and necessary to protect, promote, and further the goals and purposes of the ordinance codified in this chapter and is not inconsistent with other goals and policies of the City.

d. Determining Factors: In determining whether to designate a historic preservation district, the following factors shall be considered:

1. District should have integrity of design, setting, materials, workmanship, and association; and,
2. The collective value of the buildings and structures in a district taken together may be greater than the value of each individual building or structure.

Historic Murrieta Specific Plan

The Historic Murrieta Specific Plan is intended to provide a vision for future development within the designated area, establish guidelines for land use decisions, improve the area's physical and economic environment, and establish City goals for quality development within Historic Murrieta. The Specific Plan area is essentially the original "Murrieta Town Site" subdivided by the Temecula Land and Water Company in 1884. It is generally bounded by Kalmia Street to the north, Ivy Street to the south, Hayes Avenue to the west, and Jefferson Avenue to the east. The Specific Plan establishes a vision for development within the area and provides design guidelines for future projects to ensure that the overall vision is achieved and maintained. Guidelines for land use patterns, tree preservation, gateways, streetscape, infrastructure, parking, streets, and alleyways, among other elements, are discussed within the Specific Plan. In addition, the Specific Plan identifies 10 Land Use Districts within the Specific Plan Area to allow for implementation of the overall Plan vision and goals, consistent with goals and policies of the City's original General Plan.

5.9.2 ENVIRONMENTAL SETTING

Paleo-Indian Period. Archaeological research and tribal oral traditions in the Murrieta-Temecula area suggests that prehistoric occupation of the valley dates back thousands of years. There are a number of long-term village complexes and habitation sites located in Murrieta, which are valuable resources. The remnants of early villages as well as the local art and ethnographic accounts provide an important record of Murrieta's early occupation by Native Americans.[3]

[3] City of Murrieta *General Plan*, June 21, 1994.

Late Period. It is generally assumed that the Late Period began approximately AD 500 to 750, and its termination is widely accepted as AD 1769, the date of the beginning of permanent European occupation of California. The Luiseno Peoples occupied the Murrieta-Temecula area and called themselves Payomkawichum before the influx of European settlers and the Mission Period. There are also many Luiseno place names within the Murrieta area. Several village complexes were located within the City's boundaries; one that has been definitively identified by the Tribe is Qengva, which is in the southwest part of Murrieta. To the north of Qengva is 'avaa'ax, referring to the cottonwood trees along Murrieta Creek. To the east is the "The Owls' Nest" or Muula Putee, which is located on what residents know as the Hogbacks in the Los Alamos area. Flowing beside these prominent hills to the south is the Santa Gertrudis River or Totpa, a very important water source.

Spanish and Mexican Periods. Both the San Luis Rey and the San Juan Capistrano Missions claimed the territory for cattle raising and used local vaqueros to manage their cattle herds. They likely used Los Alamos Road to travel from the Alamos grasslands to the missions. Soon after Spain lost control of Mexico and the missions closed, the entire Murrieta area was divided among three land grants: Rancho Temecula, San Jacinto Rancho, and Rancho Santa Rosa.[4]

American Period. As travel along the Santa Fe Trail and Southern Emigrant trails during the early American Period brought more settlers, settlement occurred along the Santa Ana and San Jacinto waterways. The Southern Pacific Railroad line from Los Angeles through the San Gorgonio Pass was completed in 1876. In 1883, the California Southern Railway allowed for travel through the Cajon Pass and down to San Diego through western Riverside County. The trains were eventually used to transport settlers into the area, creating a period of agricultural and land development, ultimately resulting in the establishment of Riverside County in 1893. Transportation, agriculture, and the control of water have continued to be central themes in the settlement, development, and growth of Riverside County (Robinson 1979).

The Murrieta area was originally included in Mission San Luis Rey's lands as part of Rancho Temecula. After secularization, other ranchos were carved from Rancho Temecula, including the Pauba, La Laguna, and Little Temecula Ranchos. By the mid-19th century, Murrieta's land area was bisected by the Southern Emigrant Trail, which ran through western Riverside County in a similar alignment to the current I-15 Freeway. The trail, which also served as the route of the Butterfield Overland Stage, went through a major stop called "Alamos," the Spanish word for cottonwoods, located near the present-day intersection of Cherry and Jefferson Avenues in Murrieta. Another branch of the Southern Emigrant Trail veered northward from Temecula to Box Springs near present-day Moreno Valley, roughly following the present-day route of I-215 Freeway (Lech 2004).

[4] Ibid.

The City of Murrieta was named after Don Juan Murrieta, a Spaniard who originally settled in the Merced region of the San Joaquin Valley. Don Juan Murrieta eventually drove his herds of sheep southward to southern California, and after bringing 100,000 sheep to southwestern Riverside County (along with several business partners), purchased 52,000 acres of the Temecula and Pauba ranchos from Vincent de Laveaga of San Francisco in 1873. Juan and his brother Ezekiel Murrieta deeded a right-of-way to the California Southern Railway in 1882 and soon thereafter announced their plans to subdivide a town called "Murrietaville" along the railroad (Garrison 1963; Lech 2004).

In 1884, before they could make their plans a reality, the Murrieta brothers were bought out by the Temecula Land and Water Company, which immediately subdivided a portion of its new holdings. The subdivided lands included 14,500 lots that were generally 40 acres in size, as well as some larger tracts ranging from 200 to 4,000 acres each for large-scale agriculture (Garrison 1963). At the heart of the subdivision was the Murrieta town site, which consisted of 160 acres divided into 537 lots near the railroad depot. The original grid layout of streets included Kalmia, Juniper, and Ivy Streets which ran northeast to southwest; and Washington, Clay, and Hayes Streets, which ran northwest to southeast. The town increased rapidly during the boom years that affected many railroad-adjacent towns in southern California in the late 1880s (Lech 2004).

By 1886, the town included a post office, depot, large hotel, restaurant, newspaper, two general stores, a hardware and furniture store, school, livery stable, lumber yard, butcher shop, laundry, blacksmith shop, church, newspaper called *The Era*, and two physicians. By 1890, the town had a population of 800 (Garrison 1963). When Riverside County was formed in 1893, Murrieta was designated one of 12 original judicial townships and the 40th election precinct (Gunther 1984).

The Santa Fe Railroad acquired California Southern Railway after a wet winter in 1883–1884 ruined a large stretch of their newly-created railway through the Temecula Valley. The connection was reconstructed; however, their purchase was not financially profitable. After they completed a line through the San Jacinto Valley, the California Southern alignment became somewhat redundant as well. In 1891, after a wet winter flooded and washed out the California Southern tracks in Temecula Valley, Santa Fe drastically curtailed rail service through Murrieta. Instead of repairing the flood-prone line through Fallbrook, Elsinore, and Corona, the route was realigned through the Pechanga Valley and connected to the Santa Fe line up through Perris. Murrieta became the end of a rail spur from Corona and not a stop along any major thoroughfare (Garrison 1963). This, in addition to the broader southern California real-estate bust in the 1890s, dampened Murrieta's growth as a town. After a short-lived attempt in the 1890s to attract "gentleman planters" to the area with an irrigation district aimed at supporting widespread groves of deciduous fruits, the area settled into a more bucolic existence (Lech 2004). Daily train service continued into Murrieta until 1935, after automobile use had become a well-established alternative to train travel in southern California (Garrison 1963).

After the close of the rail line in 1935, the land boom ended. By 1947, the town had an estimated population of 1,200. In that same year, the Murrieta Fire Protection District was formed. Civic accomplishments in the 1950s included a new town hall (1956) and the formation of the Murrieta Valley Chamber of Commerce (1959). In the 1960s, the area became known for the breeding of fine racehorses.

From the 1890s through the late 20th century, Murrieta's land use and local economy was largely based on dry-farming grains (barley, wheat, and oats), and Murrieta's identity was influenced by established farms of vast rolling fields of seasonal grasses. Murrieta was largely a town consisting of grain farmers who drove huge teams of horses pulling combine harvesters over the fields of the Antelope Valley, the Santa Rosa Plateau, and the Alamos district. Murrieta farmers also grew potatoes, alfalfa, vegetables, and grape vineyards, as well as orchards of olive, cherry, pear, apple, fig, and nectarine trees (Alter et al. 2005).

One exception to the community's dominant agricultural identity was the regionally-popular Murrieta Hot Springs. Located along present Murrieta Hot Springs Road just east of I-215, the mineral-rich springs have been used by people for thousands of years. The Luiseño called the springs Churuukunuknu Haki'wuna and their extensive use of the springs is reflected in the numerous habitation sites and artifacts identified nearby. Non-Indian visitors in the late 19th century determined what the Luiseno already know about the springs, that the springs had healing properties, and Murrieta Hot Springs became part of a rapidly growing network of Southern California destinations for health-seekers. In 1887, a Pasadena syndicate bought the hot springs, along with over a thousand acres of land. After several years of new owners, Murrieta Hot Springs was purchased by Fritz Guenther in 1902. It prospered under the family's ownership for nearly 70 years, expanding from 200 acres of ranch land and a few decrepit buildings into over 500 acres of prime resort spa, complete with bathhouses, tiled pools, hotels, great halls, stables, gardens, and hiking trails; however, by 1969, profits declined due to laws prohibiting gambling, and affordable air travel enticed families to take their vacations elsewhere. Murrieta Hot Springs was sold again, continuing its decline over the years until the spa was closed in 1990 and the resort was auctioned off (Boyce 1995).

HISTORIC/ARCHAEOLOGICAL RESOURCES

Cultural resources are represented by the material remnants of human activity in an area and can be either prehistorical (aboriginal/native American) or historical (European and Euro-American). Although not necessarily of cultural significance per *CEQA*, cultural remains are considered to be of cultural concern if they are at least 50 years old. Such resources may include midden (ashy or greasy dark soil indicating former occupation); ground stone tools and milling features; rock shelters; rock art (petroglyphs); rock features (cairns, stone walls); quarries; trails; and, ecofactual material (faunal remains, fire-affected rocks). Other indicators of former occupancy may include pottery, human skeletal remains, and body adornments (i.e. shell or bone beads, jewelry). Cultural resources can also include oral traditions, ethnographic accounts, traditional songs and stories, and places important for the continuation of traditional beliefs and practices.

A records search at the Eastern Information Center (EIC), located in the Department of Anthropology at the University of California, Riverside, indicated that 330 cultural resource studies have been conducted within the City and the Sphere of Influence, resulting in the identification of a total of 199 documented cultural resources. Previous studies within the City and the Sphere of Influence consist mainly of cultural resource assessments, survey reports, and archaeological test excavations. The documented resources within the City and the Sphere of Influence include more than 75 separate milling features in bedrock, 36 milling artifacts, 53 sites with lithic artifacts (flakes, points, debitage), five sites with rock art, nine possible prehistoric campsites or habitation sites, three possible prehistoric quarries, seven built resources, and 11 historic archaeological sites (trash scatters, habitation remains). The significance of each of these resources was not identified, and instead requires consideration on a site- or resource-specific basis.

Potential Historic Resources

A review of the Riverside Historic Properties Directory revealed that an additional 73 properties have been documented and evaluated, shown in *Table 5.9-1*, *Evaluated Resources in the Historic Properties Directory*. Several of these resources have been demolished. Eleven of them are part of the Murrieta Hot Springs complex, which was incorporated into a Christian conference center in 1995.

The Murrieta Historical Resources Inventory Update (Alter et al. 2004) included 71 potentially historic resources, shown in *Table 5.9-2*, *Potentially Historic Resources in the City of Murrieta*. Many of these resources were initially documented by the Riverside County Historical Commission in a 1982 survey that was submitted to the EIC, and are in the Riverside Historic Properties Directory; thus, they appear in *Table 5.9-1* as well. However, the City of Murrieta has never adopted a list of historic resources.

As indicated by their CHR status codes, Murrieta's documented historic properties include properties that appear eligible for the National Register or California Register through survey evaluation, and properties recognized as historically significant by local government. As yet, no individual resources, archaeological districts, or historic preservation districts have been designated for inclusion on the Murrieta Register of Cultural Resources.

Table 5.9-1
Evaluated Resources in the Riverside Historic Properties Directory

Address	Name	Date of Construction	CHR Status Code
24695 1st Avenue	Old Cheney Place, Holiness Parsonage	1900	5S2
24903 1st Avenue	Bradford Place/Houston Place	1890 (demolished)	5S2
24995 1st Avenue	Freeman House	1915	5S2
24628 2nd Avenue		1920	5S2
24646 2nd Avenue		1930 (demolished)	5S2
24675 2nd Avenue	Murrieta Elementary School	1920 (ruins)	3S
24790 2nd Avenue		1922	3S
24770 2nd Avenue	R.W. Bollen Place, Chrisman Place	1910	3S
42011 A Street	Methodist Parsonage/MT Auto Parts	1910	5S2
24260 Adams Avenue	Jake Lambert House Site	1900	7R
24370 Adams Avenue	Deering Home, Sawyer House	1930	7R
24460 Adams Avenue	Judge Thorn House, Curtis Thompson	1900	5S2
25549 Adams Avenue	Brown House	1885	3S
25701 Adams Avenue	Roy Southard Place	1894 (demolished)	3S
41919 C Street	Frank Lloyd House	1920	5S2
42086 C Street	Frank Thorn House	1898	3S
24711 Clay Avenue	Lambert House	1900 (demolished)	7R
24737 Clay Avenue	Fountain House Hotel Site	1936	7R
42036 D Street	Cora Stoller House	1910	5S2
24120 Hayes Avenue	Sykes House	1905 (demolished)	5S2
24916 Hayes Avenue	Williams Ranch/Mefferd	1920	5S2
41833 Ivy Street		1920	5S2
41950 Ivy Street	Hedges House/Rail House	1900	5S2
42835 Ivy Street	Matteson Ranch/Olive Hill Ranch	1930	7R
Jefferson Avenue	Burnham House/Drucker Ranch	1932	5S2
25679 Jefferson Avenue	Merrill House/Provolt House	1900	5S2
25751 Jefferson Avenue	Raleigh Brown Place	1910 (demolished)	5S2
41958 Juniper Street	Doolittle House/Cruz House	1885	5S2
41539 Kalmia Street	Austin Warner House, Hite House	1913 (demolished)	5S2
37100 Los Alamos Road		1947 (demolished)	7R
37201 Los Alamos Road	James Place	1915 (demolished)	5S2
40851 Los Alamos Road	Yoder Ranch	1900 (demolished)	5S2
41301 Los Alamos Road	Ross Rail House	1916 (demolished)	7R

Table 5.9-1 (continued)
Evaluated Resources in the Riverside Historic Properties Directory

Address	Name	Date of Construction	CHR Status Code
41621 Magnolia Street	Cornwell Place, Morrow Place	1920 (demolished)	5S2
39401 Murrieta Hot Springs Road	Murrieta Hot Springs, Hotel	1915	3B
39401 Murrieta Hot Springs Road	Murrieta Hot Springs, Bungalows	1905	3B
39401 Murrieta Hot Springs Road	Murrieta Hot Springs, California	1908	3B
39401 Murrieta Hot Springs Road	Murrieta Hot Springs, Alive Polari	1908	3S
39401 Murrieta Hot Springs Road	Murrieta Hot Springs, Steam Plants	1925	3D
39401 Murrieta Hot Springs Road	Murrieta Hot Springs, Offices	1928	3D
39401 Murrieta Hot Springs Road	Murrieta Hot Springs, Bath House	1929	3B
39401 Murrieta Hot Springs Road	Murrieta Hot Springs, Plunge	1929	3B
39401 Murrieta Hot Springs Road	Murrieta Hot Springs, New Hotel	1926	3B
39401 Murrieta Hot Springs	Murrieta Hot Springs, Landscape	1910	3D
39401 Murrieta Hot Springs Road	Murrieta Hot Springs, Dining Room	1910	3B
39405 Murrieta Hot Springs	Guenther's Murrieta Hotsprings	1926	7J
40030 Murrieta Hot Springs Road	Temecula Hot Springs		5S2
92362 Murrieta Hot Springs Road	Murrieta Hot Springs, Memorial Hall	1913	3B
39755 Murrieta Hot Springs Road			6Y
New Clay Avenue	Grain Elevator	1919	3S
24721 Clay Avenue	Manse House	1931	5S2
24912 Plum Avenue	B.W. Tarwater House	1888	3S
42670 Tenaja Road	McCool House	1920 (demolished)	5S2
10250 Verdugo Road	Wheeler Ranch, Ranch Home	1910 (demolished)	3B
10250 Verdugo Road	Wheeler Ranch, Rancho Viejo de Car	1910 (demolished)	3S
10250 Verdugo Road	Wheeler Ranch, Root Cellar	1910 (demolished)	3B

Table 5.9-1 (continued)
Evaluated Resources in the Riverside Historic Properties Directory

Address	Name	Date of Construction	CHR Status Code
10250 Verdugo Road	Wheeler Ranch, Barn	1910 (demolished)	3B
10250 Verdugo Road	Wheeler Ranch, Bunk House #1	1910 (demolished)	3D
10250 Verdugo Road	Wheeler Ranch, Bunk House #2	1910 (demolished)	3D
24190 Washington Avenue	Schupe's Log Cabin, Anderson's Café	1920 (demolished)	3S
24264 Washington Avenue	Paul Thompson Place	1937	5S2
24280 Washington Avenue	U.S. Soil Conservation Office	1934 (demolished)	5S2
24490 Washington Avenue	Thompson House	1914	5S2
24629 Washington Avenue	George Cocking House, Kane House	1920 (demolished)	5S2
24641 Washington Avenue	Sam Barnes House	1920 (demolished)	5S2
24770 Washington Avenue	Lakeman's Restaurant/Ray's Café	1900	5S2
24792 Washington Avenue	Lakeman House/Bezanson House	1885 (demolished)	5S2
24854 Washington Avenue	Hamilton House	1925	5S2
24890 Washington Avenue		1930	5S2
24973 Washington Avenue	Cliff Thompson House	1917 (demolished)	5S2
25190 Washington Avenue	Dodd House, Stoner House	1885	5S2
25229 Washington Avenue	Buchanan House	1885	5S2
25440 Washington Avenue	Hutchison House	1885	3S
92362 Washington Avenue	Thompson House, A.K. Small House	1900	5S2

Table 5.9-2
Potentially Historic Resources in the City of Murrieta

Address	Name	Date of Construction	CHR Status Code
24635 1st Street	H.P. Zimmerman Property	1920	6Z
24643 1st Street	I.O. and Marion O. Rail Property/ Gagnon House	1930	6Z
24695 1st Avenue	Old Cheney Place, Holiness Parsonage	1900	5S2
24757 1st Street	Lotta Matteson Property/Westrem House	1950	6Z
24903 1st Avenue	Bradford Place/Houston Place	1890 (demolished)	5S2
24920 1st Street	Frank G. Thorne Property/Steely House	1925	6Z
24995 1st Avenue	Freeman House	1915	5S2
24620-24646 2nd Street		1910	5S2
24628 2nd Avenue		1920	5S2
24646 2nd Avenue		1930 (demolished)	5S2
24675 2nd Avenue	Murrieta Elementary School	1920 (ruins)	3S
24770 2nd Avenue	R.W. Bollen Place, Chrisman Place	1910	3S
24790 2nd Avenue		1922	3S
24815 2nd Street	Fred & Cora Cooper Property/ Boyd/Jones House	1930	6Z
24993 2nd Street	Charles Provost Property/ Alvarado-Luz House	1920	6Z
42011 A Street	Methodist Parsonage/MT Auto Parts	1910	5S2
24260 Adams Avenue	Jake Lambert House Site	1900	7R
24370 Adams Avenue	Deering Home, Sawyer House	1930	7R
24460 Adams Avenue	Judge Thorn House, Curtis Thompson	1900	5S2
24960 Adams Avenue			
25549 Adams Avenue	Brown House	1885	3S
41919 C Street	Frank Lloyd House	1920	5S2
41940 C Street	Fire Station No. 1	1948	5S2
42086 C Street	Frank Thorn House	1898	3S
24711 Clay Avenue	Lambert House	1900	7R
24721 Clay Avenue	Manse House	1931	5S2
24737 Clay Avenue	Fountain House Hotel Site	1936	7R
42036 D Street	Cora Stoller House	1910	5S2
24120 Hayes Avenue	Sykes House	1905 (demolished)	5S2
24916 Hayes Avenue	Williams Ranch/Mefferd	1920	5S2
41529 Ivy Street		(demolished)	

Table 5.9-2 (continued)
Potentially Historic Resources in the City of Murrieta

Address	Name	Date of Construction	CHR Status Code
41541 Ivy Street			
41763 Ivy Street	Nancy Lee Gossett Property	1940	6Z
41833 Ivy Street		1920	5S2
41950 Ivy Street	Hedges House/Rail House	1900	5S2
24413 Jefferson Avenue	Bessie Wickerd Property	1930	5S2
24831 Jefferson Avenue		1920	5S2
25580 Jefferson Avenue	Charles Charnock Property (Demolished)	1930	5S2
41810 Juniper Street			
41958 Juniper Street	Doolittle House/Cruz House	1885	5S2
41539 Kalmia Street	Austin Warner House, Hite House	1913 (demolished)	5S2
37100 Los Alamos Road	George Hind/ Gentry Family Property	1945	5S2
37201 Los Alamos Road	James Place	1915 (demolished)	5S2
40798 Los Alamos Road		1930	6Z
40851 Los Alamos Road	Yoder Ranch	1900 (demolished)	5S2
41223 Madison Avenue		1930	5S2
41886 Magnolia Street	H.B. Lashlee Property/ Railroad Workers Dormitory (Demolished)	1942	5S2
41908 Magnolia Street	H.B. Lashlee Property	1906	5S2
New Clay Avenue	Grain Elevator	1919	3S
24901 New Clay Street	Norma Jean Cunnington Property/ Isham House	1978	6Z
21945 Plum Street		1935	5S2
24912 Plum Avenue	B.W. Tarwater House	1888	3S
24980 Plum Street	D.H. and Sarah J. Turnbeaugh Property	1930	6Z
24264 Washington Avenue	Paul Thompson Place	1937	5S2
24280 Washington Avenue	U.S. Soil Conservation Office	1934 (demolished)	5S2
24490 Washington Avenue	Thompson House	1914	5S2
24629 Washington Avenue	George Cocking House, Kane House	1920 (demolished)	5S2
24641 Washington Avenue	Sam Barnes House	1920 (demolished)	5S2
24741 Washington Avenue			

Table 5.9-2 (continued)
Potentially Historic Resources in the City of Murrieta

Address	Name	Date of Construction	CHR Status Code
24770 Washington Avenue	Lakeman's Restaurant/Ray's Café	1900	5S2
24785-24791 Washington Avenue			
24792 Washington Avenue	Lakeman House/Bezanson House	1885 (demolished)	5S2
24854 Washington Avenue	Hamilton House	1925	5S2
24861 Washington Avenue			
24890 Washington Avenue		1930	5S2
24935 Washington Avenue			
24973 Washington Avenue	Cliff Thompson House	1917 (demolished)	5S2
25069 Washington Avenue			
25190 Washington Avenue	Dodd House, Stoner House	1885	5S2
25229 Washington Avenue	Buchanan House	1885	5S2
25440 Washington Avenue	Hutchison House	1885	3S

POTENTIAL HISTORIC LANDSCAPE FEATURES AND HERITAGE TREES

A number of historic landscape features and heritage trees have been noted within the City and the Sphere of Influence, including tree species that contribute to visual character such as landmark oak, sycamore, cottonwood, willow, cypress, juniper, and eucalyptus trees, as well as olive groves and pecan trees. Other such resources with aesthetic and historic value include various palms and trees at the Murrieta Hot Springs Resort, conifers dating from pre-World War I along Murrieta Hot Springs Road, and a landmark cottonwood tree associated with a former ceremonial ground and trail route located near Lemon Street. These features have been inventoried and are provided protection under Chapter 16.42, Tree Preservation, of the *City of Murrieta Development Code*, as well as measures given in the *Historic Murrieta Specific Plan* and other regulations aimed at protection of the City's historic resources.

Paleontological Resources

Paleontological resources are the fossil remains or traces of past life forms, including both vertebrate and invertebrate species, as well as plants. The Murrieta area is generally underlain by highly fossiliferous rock units that include the Pauba formation and Unnamed Sandstone formation. The San Bernardino County Museum Earth Sciences Division has classified the majority of the City and the Sphere of Influence as having a high potential for containing significant, nonrenewable paleontological resources.

Three major fossiliferous Pleistocene age sedimentary rock units are exposed along the Elsinore fault zone within the City and the Sphere of Influence. These units are as follows:

Unnamed Sandstone (middle Pleistocene, may span 200,000 years between 850,000 and 650,000 years before present). Paleontologic localities in the Unnamed Sandstone portions of the City and the Sphere of Influence contain diverse Ice Age fauna. The Unnamed Sandstone localities within the City and the Sphere of Influence are among the most important late Irvington Land Mammal Age (middle Pleistocene) sites in California and have produced at least 45 vertebrate taxa and additional invertebrate taxa. This formation has a high potential for containing significant, nonrenewable paleontologic resources.

Pauba Sandstone (early to late Pleistocene, less than 700,000 years before present). This formation provides an important record of early Rancholabrean taxa which is rarely represented in California and has yielded at least 24 taxa of fossil vertebrates including fossil Pleistocene horse. This formation is considered to have a high potential for containing significant, nonrenewable paleontologic resources.

Quaternary Old Alluvium (late Pleistocene, 10,000 years before present). To the northeast of the City and the Sphere of Influence near Lake Skinner, fossil horse has been discovered, and therefore, this formation is considered conducive to fossil preservation; however, no resources have been recorded within the City and the Sphere of Influence within this formation.

According to the *Master Environmental Assessment* prepared for the City of Murrieta (October 1992), formations in the Murrieta area have yielded extensive fossil remains that include mammoth, mastodon, ground sloth, dire wolf, short-faced bear, saber-toothed cat, tapir, camel, llama, and pronghorn. Known deposits have also yielded smaller vertebrate fossils that contribute significant data which assist in deciphering temporal constraints under which sediments were deposited. Smaller vertebrate fossils found in the area include rabbit, rodent, bat, shrew, bide, amphibian, lizard, tortoise, and turtle.

5.9.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, cultural resources impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5.
- Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5.
- Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature.
- Disturb any human remains, including those interred outside of formal cemeteries.

According to *Public Resources Code* Section1(j), a "historical resource" includes, but is not limited to, "any object, building, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California." *CEQA Guidelines* state that the term "historical resources" applies to any such resources listed in, or determined to be eligible for listing in, the California Register of Historical Resources; included in a local register of historical resources; or determined to be historically significant by the Lead Agency (*Title 14 CCR* Section 15064.5(a)(1)-(3)).

CEQA Guidelines require that "a resource shall be considered by the lead agency to be 'historically significant' if the resource meets the criteria for listing in the California Register of Historical Resources" (*Title 14 CCR* Section 15064.5(a)(3)).

Under C*EQA*, a project with an effect that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect on the environment. Substantial adverse change in the significance of a historical resource is defined as physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of a historical resource would be materially impaired. The significance of a historical resource would be materially impaired when a project demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its inclusion in, or eligibility for inclusion in, the California Register, a local register of historical resources pursuant to Section 5020.1(k) of the *Public Resources Code* or historical resources survey meeting the requirements of Section 5024.1(g) of the *Public Resources Code*. In general, a project that follows the Secretary of the Interior's Standards for the Treatment of Historic Properties and associated guidelines shall be considered as mitigated to below the level of significance.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.9.4 PROJECT IMPACTS AND MITIGATION MEASURES

HISTORICAL AND ARCHAEOLOGICAL RESOURCES

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD IMPACT HISTORICAL AND ARCHAEOLOGICAL RESOURCES.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Within the City and the Sphere of Influence, 199 cultural resources and more than 73 potentially historic properties have been documented. Murrieta's potentially historic inventory of properties include properties for review and consideration for National Register or California Register eligibility through survey evaluation, and properties recognized as historically significant by local government. In addition, Murrieta has inventoried potential historic landscape features and heritage trees.

Implementation of the proposed General Plan 2035 could result in the development of vacant land and land identified as underutilized. Ground-disturbing activities associated with subsequent development of land within the City could unearth previously unknown archaeological resources. Therefore, implementation of the proposed General Plan 2035 has the potential to disturb or destroy undocumented archaeological or historical resources, or human remains. All future development projects would be required to comply with all applicable Federal, State, and local regulations concerning the preservation of historic resources.

Historic resources may be vulnerable to future development activities, which may cause a substantial adverse change in the significance of a historical resource. Future construction activities, new development, and infrastructure improvements anticipated by the proposed General Plan 2035 have the potential to disturb or destroy historic resources. Pursuant to *CEQA*, a project with an effect that may cause a substantial adverse change in the significance of a historical resource may have a significant effect on the environment. However, all future development within the City would be subject to compliance with the established Federal and State regulatory framework, which is intended to mitigate potential impacts to historical resources.

The City has recognized the importance of preserving its history and character in the Conservation Element with Goal CSV-11 that seeks to preserve the City's significant historical, archaeological, and cultural value resources. Additionally, implementation of the goals and policies of the proposed General Plan 2035 Conservation and Land Use Elements, and Mitigation Measures CR-1 and CR-2, would reduce potential impacts to undocumented archaeological resources, cultural resources, and historical structure/resources to less than significant levels.

In addition, the *City of Murrieta Development Code* and *Historic Murrieta Specific Plan* provide protections for cultural and historic resources, including historic landscape features and trees. The proposed General Plan 2035 includes goals and policies regarding Historic Murrieta and to continue the City's efforts to preserve its historic character while encouraging pedestrian-oriented infill development that restores the area as a community core (Goal LU-24). Other proposed General Plan 2035 goals and policies seek to continue the rural character and heritage of the Los Alamos area (Goal LU-22).

Future development would be subject to compliance with the proposed General Plan 2035 Conservation Element and Land Use Element goals and policies outlined below and Mitigation Measure CR-1, which would ensure that future development in the City would not adversely impact archaeological, cultural, or historical resources, thereby reducing potential impacts to less than significant.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-9 A community that promotes the growth of an urban forest and water-efficient landscaping, recognizing that plants provide natural services such as habitat, storm water management, soil retention, air filtration, and cooling, and also have aesthetic and economic value.

Policies

CSV-9.1 Identify and protect native trees, trees of historic or cultural significance, and mature trees, consistent with the Tree Preservation Ordinance.

Goal CSV-11 Murrieta protects, enhances, and celebrates archaeological, cultural, and historic resources as a way to foster community identity**.**

Policies

CSV-11.1 Promote the protection and preservation of archaeological, cultural, historical, and architecturally significant sites, structures, districts, Native American resources, and natural features throughout the community, consistent with the Cultural Resource Preservation Ordinance. Preferred methods of protection include

avoidance of impacts, placing resources in designated open space and allocation of local resources and/or tax credits as feasible.

CSV-11.2 Encourage appropriate adaptive reuse of historic structures and sites.

CSV-11.3 Promote the designation of eligible resources to the City Register of Cultural Resources, the County Landmarks Program, or other regional, state, or federal programs.

CSV-11.4 Encourage the development of programs to educate the community about Murrieta's historic resources and involve the community in historic preservation.

CSV-11.5 Comply with state and federal law regarding the identification and protection of archaeological and Native American resources, and consult early with the appropriate tribal governments.

CSV-11.6 Investigate the feasibility of establishing a museum or other repository to archive and display Murrieta's archaeological resources.

CSV-11.7 Maintain the position of archivist/historian at the Murrieta Public Library, and promote the Library's Heritage Room as a repository for historical information about the Murrieta area.

CSV-11.8 Promote the use of historic elements in City parks and public places.

CSV-11.9 Exercise sensitivity and respect for all human remains, including cremations, and comply with all applicable state and federal laws regulating human remains.

LAND USE ELEMENT

Goal LU-11 A community that is comprehensively designed to create a positive and distinctive City image by protecting historic resources, and by strengthening the positive qualities of the City's overall image and neighborhood identity.

Policies

LU-11.1 Study and determine areas in the City where rural character can be created, enhanced, or preserved.

LU-11.7 Prepare and implement design guidelines for special districts or areas with unique character in the City of Murrieta, as appropriate.

Goal LU-22 Natural and visual resources are valued resources to maintain the rural character of the Los Alamos Hills.

Policies

LU-22.3 Encourage development that minimizes impacts to existing water courses, mature trees, and natural features as much as possible. In those cases that these areas/features are impacted, the final design should provide adequate mitigation on-site and/or in nearby areas.

LU-22.4 Encourage healthy and structurally sound, existing groves of eucalyptus and other mature non-native trees located west of Warm Springs Creek to be considered a visual asset to the area, and should be conserved and maintained to the maximum degree practicable.

Goal LU-24 Historic Murrieta as the City's cultural, civic and community center.

Policies

LU-24.1 Preserve and enhance the historic Murrieta area as the governmental and cultural focal point of the City.

Mitigation Measures:

CR-1 Future development projects shall continue to be evaluated for cultural resources by the City of Murrieta through review by the Eastern Information Center (EIC) and notification of and consultation with the local tribes for new entitlement projects. The projects shall be evaluated for compliance with the California Environmental Quality Act (CEQA) and where feasible, avoidance of cultural resources. If, following review by the EIC and/or tribal consultation, it is determined that there is a potential for impacts to cultural resources, further cultural resources analysis by a qualified professional(s), as defined in Mitigation Measure CR-2, may be required by the City.

CR-2 In the event that cultural resources (archaeological, historical, paleontological) resources are inadvertently unearthed during excavation and grading activities of any future development project, the contractor shall cease all earth-disturbing activities within a 100-foot radius of the area of discovery. If not already retained due to conditions present pursuant to Mitigation Measure CR-1, the project proponent shall retain a qualified professional (i.e., archaeologist, historian, architect, paleontologist, Native American Tribal monitor)**,** subject to approval by the City of Murrieta to evaluate the significance of the find and appropriate course of action (refer to Mitigation Measures CR-1 and CR-3). If avoidance of the resources is not feasible, salvage operation requirements pursuant to Section

15064.5 of the CEQA Guidelines shall be followed. After the find has been appropriately avoided or mitigated, work in the area may resume.

Level of Significance After Mitigation: Less Than Significant Impact.

BURIAL SITES

IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD IMPACT UNMARKED BURIAL SITES.

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Given the history of various Indian tribes and their presence throughout Murrieta and the region, there is the potential for human remains, including those interred outside of formal cemeteries, to be encountered during earth removal or disturbance activities with implementation of the proposed General Plan 2035. However, archaeological resources have been documented within and near the City. Therefore, ground-disturbing activities in the City, such as grading or excavation, have the potential to disturb as yet unidentified human remains.

The Native American Graves Protection and Repatriation Act within the State of California, is enacted by the California Native American Historical, Cultural and Sacred Sites Act, and applies to Federal, State, and private lands. Upon discovery of human remains, the activity ceases and the County Coroner shall be notified. If the remains are of a Native American, the coroner notifies the Native American Heritage Commission (NAHC), which then notifies the mostly likely descendents. The NAHC is directed to prepare an inventory of Native American Sacred Places on public lands. It is illegal for anyone to knowingly or willfully possess or obtain any Native American artifacts or human remains from a Native American grave or cairn. Any person who removes, without authority of law, Native American artifacts or human remains from a Native American grave or cairn with the intent to sell or dissect such remains is guilty of a felony punishable by imprisonment in a Federal or State prison.

If human remains were found, those remains would require proper treatment, in accordance with applicable laws. State of California *Public Resources Health and Safety Code* Sections 7050.5-7055 describe the general provisions for human remains. Specifically, H*ealth and Safety Code* Section 7050.5 describes the requirements if any human remains are accidentally discovered during excavation of a site. In addition, the requirements and procedures set forth in *California Public Resources Code* Section 5097.98 would be implemented. If human remains are found during excavation, excavation must stop in the vicinity of the find and any area that is reasonably suspected to overlie adjacent remains until the County coroner has been called out, and the remains have been investigated and appropriate recommendations have been made for the treatment and disposition of the remains.

Following compliance with State regulations, which detail the appropriate actions necessary in the event human remains are encountered, and compliance with proposed General Plan 2035 Conservation Element Goal CSV-11 and Policy CSV-11.5 and Mitigation Measure CR-2, impacts in this regard would be less than significant.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-11 Murrieta protects, enhances, and celebrates archaeological, cultural, and historic resources as a way to foster community identity**.**

Policies

CSV-11.5 Comply with state law regarding the identification and protection of Native American resources, and consult with the appropriate tribal governments.

Mitigation Measures:

CR-3 In the event that human remains are unearthed during excavation and grading activities of any future development project, all activity shall cease immediately. Pursuant to State Health and Safety Code Section 7050.5, no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner shall within 24 hours notify the Native American Heritage Commission (NAHC). The NAHC shall then contact the most likely descendant of the deceased Native American, who shall serve as consultant on how to proceed with the remains.

Level of Significance After Mitigation: Less Than Significant Impact.

PALEONTOLOGICAL RESOURCES

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD DIRECTLY OR INDIRECTLY IMPACT A UNIQUE PALEONTOLOGICAL RESOURCE OR SITE.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: The San Bernardino County Museum Earth Sciences Division has classified the majority of the City and the Sphere of Influence as having a high potential for containing significant, nonrenewable paleontological resources. Formations in the Murrieta area

have yielded extensive fossil remains. In particular, fossils may be present in three major fossiliferous Pleistocene age sedimentary rock units that are exposed along the Elsinore fault zone, as discussed above.

Future development associated with implementation of the proposed General Plan 2035 could indirectly result in impacts to undiscovered paleontological resources through remediation, demolition, or construction activities. All future improvements and development within the City would be subject to compliance with the proposed General Plan 2035 Conservation Element Goal CSV-7 and the associated policies, and Mitigation Measures CR- and CR-2, which would ensure impacts to paleontological resources or unique geologic features are reduced to a less than significant level.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-7 Paleontological resources are conserved as a record of the region's natural history.

Policies

CSV-7.1 Continue development review procedures that protect paleontological resources.

CSV-7.2 Encourage local display and educational use of paleontological resources.

Mitigation Measures: Refer to Mitigation Measures CR-1 and CR-2. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

5.9.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS TO CULTURAL RESOURCES.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Future development projects in the City of Murrieta, County of Riverside, and the region may encounter cultural resources. During the growth anticipated to occur with implementation of the proposed General Plan 2035, it is possible that undiscovered

archaeological, paleontological and/or historic resources could be impacted. It is possible that cumulative development could result in the adverse modification or destruction of archaeological, paleontological, and/or historic resources. Potential cultural resource impacts associated with the development of individual projects under the proposed General Plan 2035 would be specific to each site. All new developments would be required to comply with existing Federal, State, and local regulations concerning the protection of archaeological, paleontological and historic resources on a project-by-project basis. Additionally, implementation of the goals and policies of the proposed General Plan 2035, and recommended mitigation measures, would reduce potential impacts to undocumented archaeological resources, cultural resources, and historical structure/resources to less than significant levels. Thus, implementation of the proposed General Plan 2035 would not result in cumulatively considerable cultural resource impacts.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.9.

Mitigation Measures: Refer to Mitigation Measures CR-1 through CR-3. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

5.9.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Impacts related to cultural resources associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with the existing regulatory framework, proposed General Plan 2035 goals and policies, and mitigation measures. No significant unavoidable cultural resource impacts would occur as a result of buildout of the proposed General Plan 2035.

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the future of southern california
Murrieta
General Plan Update

Section 5.10:
Biological Resources

5.10 BIOLOGICAL RESOURCES

This section describes the biological resources in the City of Murrieta (City) and the Sphere of Influence (SOI), and potential adverse impacts associated with implementation of the proposed General Plan 2035. Review and analysis of compliance with all Federal, State, and local laws and policies regarding biological resources have also been conducted. This section is largely based upon the information contained in the *Biological Resources Report* (LSA Associates, Inc., December 2009) (refer to Appendix H), and the Western Riverside County Multiple Species Habitat Conservation Plan and Final EIR/EIS.

5.10.1 REGULATORY SETTING

Threatened and endangered species are listed by the U.S. Fish and Wildlife Service (USFWS) and California Department of Fish and Game (CDFG). In California, three agencies generally regulate activities within inland streams, wetlands, and riparian areas: U.S. Army Corps of Engineers (ACOE); the CDFG; and the Regional Water Quality Control Board (RWQCB). The ACOE Regulatory Branch regulates activities pursuant to Section 404 of the Federal Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act. The CDFG regulates activities under CDFG Code Sections 1600-1607. The RWQCB regulates activities pursuant to Section 401 of the CWA and the California Porter-Cologne Act.

FEDERAL

Federal Endangered Species Act

The Federal Endangered Species Act (FESA) of 1973 (50 CFR 17) is intended to protect plants and animals that have been identified as being at risk of extinction and classified as either threatened or endangered. FESA also regulates the "taking" of any endangered fish or wildlife species, per Section 9 of the Act. A responsible agency or individual landowners are required to submit to a formal consultation with the USWFS to assess potential impacts to listed species as the result of a development project, pursuant to FESA Sections 7 and 10. The USFWS is required to make a determination as to the extent of impact to a particular species a project would have. If it is determined that potential impacts to a species would likely occur, measures to avoid or reduce such impacts must be identified.

Federal Clean Water Act

SECTION 404

The ACOE maintains regulatory authority over the discharge of dredged or fill material into the waters of the United States, pursuant to Section 404 of the CWA. The ACOE and United States Environmental Protection Agency (EPA) defines "fill material" as any "material placed in waters of the United States where the material has the effect of: (i) Replacing any portion of a water of the United States with dry land; or (ii) Changing the bottom elevation of any portion of the waters of the United States." Fill material may include sand, rock, clay, construction debris, wood chips, or other similar "materials used to create any structure or infrastructure in the waters of the United States." The term "waters of the United States" includes the following:

- All waters that have, are, or may be used in interstate or foreign commerce (including sightseeing or hunting), including all waters subject to the ebb and flow of the tide;
- Wetlands;
- All waters such as interstate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds; the use, degradation or destruction of which could affect interstate or foreign commerce;
- All impoundments of water mentioned above;
- All tributaries of waters mentioned above;
- Territorial seas; and,
- All wetlands adjacent to the waters mentioned above.

In the absence of wetlands, the ACOE's jurisdiction in non-tidal waters extends to the ordinary high water mark (OHWM), which is defined as *"…that line on the shore established by the fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding area (33 CFR 328.3(e))."*

Wetlands generally include swamps, marshes, bogs, and similar areas. Wetlands are jointly defined by the ACOE and EPA as *"those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions (33 CFR 328.3(b))."*

On January 9, 2001, the U.S. Supreme Court issued the decision, Solid Waste Agency of Northern Cook County v. U.S. Army Corp of Engineers et al. As a result of this case, the scope of the ACOE's Section 404 CWA regulatory permitting program was limited, restricting

ACOE's jurisdictional authority over isolated, non-navigable, intrastate waters that are not tributary or adjacent to navigable waters or tributaries (i.e., wetland conditions). The Supreme Court held that Congress did not intend for isolated, non-navigable water conditions to be covered within Section 404 of the CWA, as they are not considered to be true "waters of the U.S."

SECTION 401

The RWQCB is the primary agency responsible for protecting water quality in California. The RWQCB regulates discharges to surface waters under the Federal CWA and the California Porter-Cologne Water Quality Control Act. The RWQCB's jurisdiction extends to all waters of the State and to all waters of the United States, including wetlands (isolated and non-isolated conditions).

Through 401 Certification, Section 401 of the CWA allows the RWQCB to regulate any proposed Federally permitted activity that may affect water quality. Such activities include the discharge of dredged or fill material, as permitted by the ACOE, pursuant to Section 404 of the CWA. The RWQCB is required to provide "certification that there is reasonable assurance that an activity which may result in the discharge to waters of the United States will not violate water quality standards," pursuant to Section 401. Water Quality Certification must be based on the finding that proposed discharge will comply with applicable water quality standards, of which are given as objectives in each of the RWQCB's Basin Plans.

In addition, pursuant to the Porter-Cologne Water Quality Control Act, the State is given authority to regulate waters of the State, which are defined as any surface water or groundwater, including saline waters. As such, any person proposing to discharge waste into a water body that could affect its water quality must first file a Report of Waste Discharge if a Section 404 does not apply. "Waste" is partially defined as any waste substance associated with human habitation, including fill material discharged into water bodies.

STATE

California Endangered Species Act

The California Endangered Species Act (CESA) of 1984, in combination with the California Native Plant Protection Act of 1977, regulates the listing and take of plant and animal species designated as endangered, threatened, or rare within the State. The State of California also lists Species of Special Concern based on limited distribution, declining populations, diminishing habitat, or unusual scientific, recreational, or educational value. The CDFG is given the responsibility by the State to assess development projects for their potential to impact listed species and their habitats. State listed special-status species are also addressed through the issuance of a 2081 permit (Memorandum of Understanding).

California Fish and Game Code

Within the State of California, fish, wildlife, and native plant resources are protected and managed by the CDFG. The Fish and Game Commission and/or the CDFG are responsible for issuing permits for the take or possession of protected species. The following sections of the Code address the protected species: Section 3511 (birds); Section 4700 (mammals); Section 5050 (reptiles and amphibians); and, Section 5515 (fish).

California Department of Fish and Game Lake and Streambed Alteration Agreements

Historically, the State of California regulated activities in rivers, streams, and lakes pursuant to *California Fish and Game Code* Sections 1600-1607; however, on January 1, 2004, legislation went into effect that repealed Fish and Game Code Sections 1600-1607 and instead, added *Fish and Game Code* Sections 1600-1616. This action eliminated the separation between private/public notifications (previously 1601/1603). Section 1602 of the *Fish and Game Code* requires any person, state, or local governmental agency, or public utility to notify the CDFG before commencing any activity that would result in one or more of the following:

- Substantially obstruct or divert the natural flow of a river, stream, or lake;
- Substantially change or use any material from the bed, channel, or bank of a river, stream, or lake; or,
- Deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it can pass into a river, stream, or lake.

Fish and Game Code Section 1602 applies to all perennial, intermittent, and ephemeral rivers, streams, and lakes within the State of California. While the jurisdictional limits are similar to the limits defined by ACOE regulations, CDFG jurisdiction includes riparian habitat supported by a river, stream, or lake with or without the presence or absence of saturated soil conditions or hydric soils. CDFG jurisdiction generally includes to the top of bank of the stream, or to the outer limit of the adjacent riparian vegetation (outer drip line), whichever is greater. Any project that occurs within or in the vicinity of a river, steam, lake, or their tributaries typically requires notification of the CDFG, including rivers or streams that flow at least periodically or permanently through a bed or channel with banks that support fish or other aquatic life, and watercourses having a surface or subsurface flow that supports or has supported riparian vegetation.

Migratory Bird Treaty Act of 1918

The Federal Migratory Bird Treaty Act (MBTA) was originally drafted to end the commercial trade in bird feathers popular in the latter part of the 1800s. The MBTA makes it illegal to take, possess, buy, sell, purchase, or barter any migratory bird listed in 50 C.F.R. Part 10, including

feathers, nests, eggs, or other avian products. The USFWS is responsible for enforcing the MBTA.

California Environmental Quality Act

In addition to specific Federal and State statutes for the protection of threatened and endangered species, *California Environmental Quality Act* (*CEQA*) *Guidelines* Section 15380(b) provides that a species not listed on the Federal or State list of protected species may be considered rare or endangered if it can be shown that the species meets certain specified criteria. Modeled after definitions in the FESA and the section of the *California Fish and Game Code* dealing with rare or endangered plants and animals, these criteria are given in *CEQA Guidelines* Section 15380(b). The effect of Section 15380(b) is to require public agencies to undertake reviews to determine if projects would result in significant effects on species not listed by either the USFWS or CDFG (i.e., candidate species). Through this process, agencies are provided with the authority to protect additional species from the potential impacts of a project until the appropriate government agencies have an opportunity to designate the species as protected, if deemed appropriate.

WESTERN RIVERSIDE COUNTY MULTIPLE SPECIES HABITAT CONSERVATION PLAN

Adopted by the Riverside County Board of Supervisors on June 23, 2003, the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) is a comprehensive habitat conservation planning program that addresses multiple species habitat needs and the preservation of native vegetation communities in Western Riverside County. The MSHCP contributes to preservation of regional biodiversity through coordination with other habitat conservation planning efforts throughout southern California. The MSHCP is intended to allow Western Riverside County and its Cities to maintain land use control and development flexibility, while addressing the requirements of the State and Federal Endangered Species Acts, by planning a regional preserve system that can meet future public and private project mitigation needs. The MSHP does not impose major new restrictions on land use. Rather, the plan is designed to streamline and coordinate existing procedures for review and permitting of a project's impacts to biological resources. An overall goal of the MSHCP is to conserve native vegetation communities and associated species, rather than focusing preservation efforts on one species at a time.

The MSHCP Implementation Agreement (IA) lists the specific obligations required by the affected cities, in order to be active participants in the MSHCP implementation. One of those obligations includes amending General Plans to implement the requirements of the MSHCP for public and private development projects. Other obligations include the following:

1. City representation on the Western Riverside County Regional Conservation Authority (RCA) Board of Directors and Reserve Management Oversight Committee (MSHCP Sections 6.6.2 and 6.6.4);

2. Collect Local Development Mitigation Fees and Long-term Stephens' Kangaroo Rat Habitat Conservation Plan (SKR HCP) fees, and transmit to RCA quarterly (MSHCP Section 8.5), and Riverside County Habitat Conservation Agency (RCHCA) quarterly for SKR fees based on the Seventh Amendment to the RCHCA Joint Powers Agreement;

3. Meet the local Reserve Assembly contribution obligations through the Habitat Acquisition and Negotiation Strategy (HANS) for private development projects (MSHCP Section 6.1.1), for public projects at least 1:1 habitat mitigation ratio, and payment of Local Development Mitigation Fees for commercial and industrial development (MSHCP Section 7.0);

4. Comply with Joint Project Review process and annually transmit information on all projects within Criteria Cells (MSHCP 6.6.2);

5. Siting and Design Guidance and Best Management Practices for Covered Activities (MSHCP Section 7.0 and MSHCP Appendix C);

6. Riparian/Riverine and Fairy Shrimp Habitat (MSHCP Section 6.1.2), Narrow Endemic Plants (MSHCP Section 6.1.3), Criteria Area Survey Species (MSHCP Section 6.3.2), and Urban/Wildlands Interface Guidelines (MSHCP Section 6.1.4);

7. Enforce terms of project approvals for public and private projects using applicable land use permit enforcement procedures and practices to ensure compliance with MSHCP, Permits, and Implementation Agreement; and

8. Manage MSHCP Conservation Area property and conservation easements owned or leased by the City (MSHCP Sections 5.0 and 8.0).

The USFWS' and CDFG's approvals of the MSHCP and execution of the IA allows them to issue Take Authorizations to the IA signatories (including the City). In June 2004, the USFWS issued a Section 10(a)(1)(B) permit for the MSHCP. Additionally, the CDFG issued California Natural Community Conservation Plan Approval and Take Authorization for the MSHCP, as per California Fish and Game Code, Section 2800 et seq. The MSHCP would minimize and mitigate habitat loss and the incidental take of covered species in association with activities covered under the permit. Issuance of Take Authorization allows MSHCP participants to implement land use decisions consistent with the Plan without project-by-project review and permitting by the Wildlife Agencies, subject only to joint project review by the RCA to evaluate consistency with the MSHCP. A local, streamlined approach to planning for Endangered/Sensitive Species will provide for and maintain biological diversity by creating an interconnected MSHCP Conservation Area in the Plan Area. In addition to the preservation of species and associated

habitats, the MSHCP Conservation Area will provide open space and recreational opportunities, which will enhance the quality of life in Riverside County.

Under the MSHCP, local Permittees such as the City of Murrieta conduct covered activities consistent with the MSHCP, its associated IA, and Section 10(a)(1)(B) permit issued. The City approved the MSHCP on September 16, 2003 (Resolution No. 03-1245) and is a local Permittee under the MSHCP. As such, the City has the authority to meet the Federal and State endangered species and conservation planning obligations for its jurisdiction. Issuance of Take Authorization allows the City to implement land use decisions consistent with the MSHCP without project-by-project review and permitting by the Wildlife Agencies. The City of Murrieta Community Development Department is responsible for ensuring that all development proposed is consistent with the MSHCP Species Conservation Guidelines and Area Plan Conservation Criteria. The MSHCP, Permits, and IA serve as governing documents for the implementation of the conservation goals and land use planning parameters required by the local Permittees.

The Western Riverside County RCA, a joint powers authority, was established to assist the local Permittees with MSHCP implementation. The RCA is responsible for the administration of acquisitions and conservation easement dedication, land management, biological resource monitoring, and MSHCP fee collection and accounting.

Conceptual Reserve Design

The MSHCP is a Criteria-based plan that describes a MSHCP Conservation Area that will be assembled over time. For purposes of analysis and description, the MSHCP developed a Conceptual Reserve Design that envisions one of the ways in which the Additional Reserve Lands could be configured to be consistent with MSHCP objectives. *Exhibit 5.10-1*, *MSHCP Proposed and Existing Conservation Land*, illustrates the Conceptual Reserve Design, which is based on existing Conserved Lands, proposed "Core Areas" (undeveloped lands), and proposed "Linkages" (between Core Areas). The Conceptual Reserve Design forms the basis for the overall conservation and impact estimates for Covered Species under the MSHCP Plan (refer to the Planning and Covered Species Section below).

Existing Conserved Lands. Conserved Lands include Public/Quasi Public [PQP] Conserved Lands 2003 and Pre-Existing Conservation Agreements. As indicated in *Exhibit 5.10-1*, the City's existing Conserved Lands are predominantly located east of I-215 and south of Clinton Keith Road. Additionally, some PQP Conserved Lands and Pre-Existing Conservation Agreements are located south of I-15, but predominantly within the City's southern corner.

Proposed Core Areas. Core Areas involve a block of habitat of appropriate size, configuration, and vegetation characteristics to generally support the life history requirements of one or more Covered Species. The identified Core Areas include both existing PQP Lands and new areas.

Proposed Linkages. Linkages are a connection between Core Areas with adequate size, configuration, and vegetation characteristics to generally provide for "live-in" habitat[1] and/or provide for genetic flow for identified Planning Species. Linkages also provide movement habitat for a particular species. In contrast, movement corridors do not provide live-in habitat for species. Movement corridors are often linear and facilitate efficient movement by providing adequate cover and lack of physical obstacles for movement. Each habitat connection may be defined as a corridor or a Linkage for each species. Therefore, although areas in the MSHCP designated as Linkages may in fact function only as movement corridors for some species, for simplicity, connections between blocks of habitat are always referred to generally as Linkages. A Constrained Linkage is a constricted connection expected to provide for movement of identified Planning Species between Core Areas, where options for assembly of the connection are limited due to existing land use patterns.

Area Plans

In order to describe and implement the MSHCP's proposed conservation objectives efficiently, the Reserve Area is subdivided into ¼ quadrants (or 160-acre Cells), based on USGS topographic map sections. The Cells are grouped into Area Plans and Subunits for ease of discussion and planning. *Exhibit 5.10-2*, *MSHCP Area Plans and Subunits*, illustrates the boundaries of the MSHCP Area Plans and Subunits. As indicated in *Exhibit 5.10-2*, portions of the City/SOI are within the boundaries of the Southwest and Sun City/Menifee Area Plans, and include the following Subunits and Cells:

Southwest Area Plan (City Limits)

- Subunit SW1: Murrieta Creek Subunit;
- Subunit SW5: French Valley/Lower Sedco Hills Subunit;
- Subunit SW6: Santa Rosa Plateau Subunit (Cells 6658, 6659, 6779, 6780, and 6781).

Sun City/Menifee Area Plan (SOI)

- Subunit SCM1: Warm Springs Creek/French Valley Subunit (Cells 5066, 5163, 5167, and 5168).

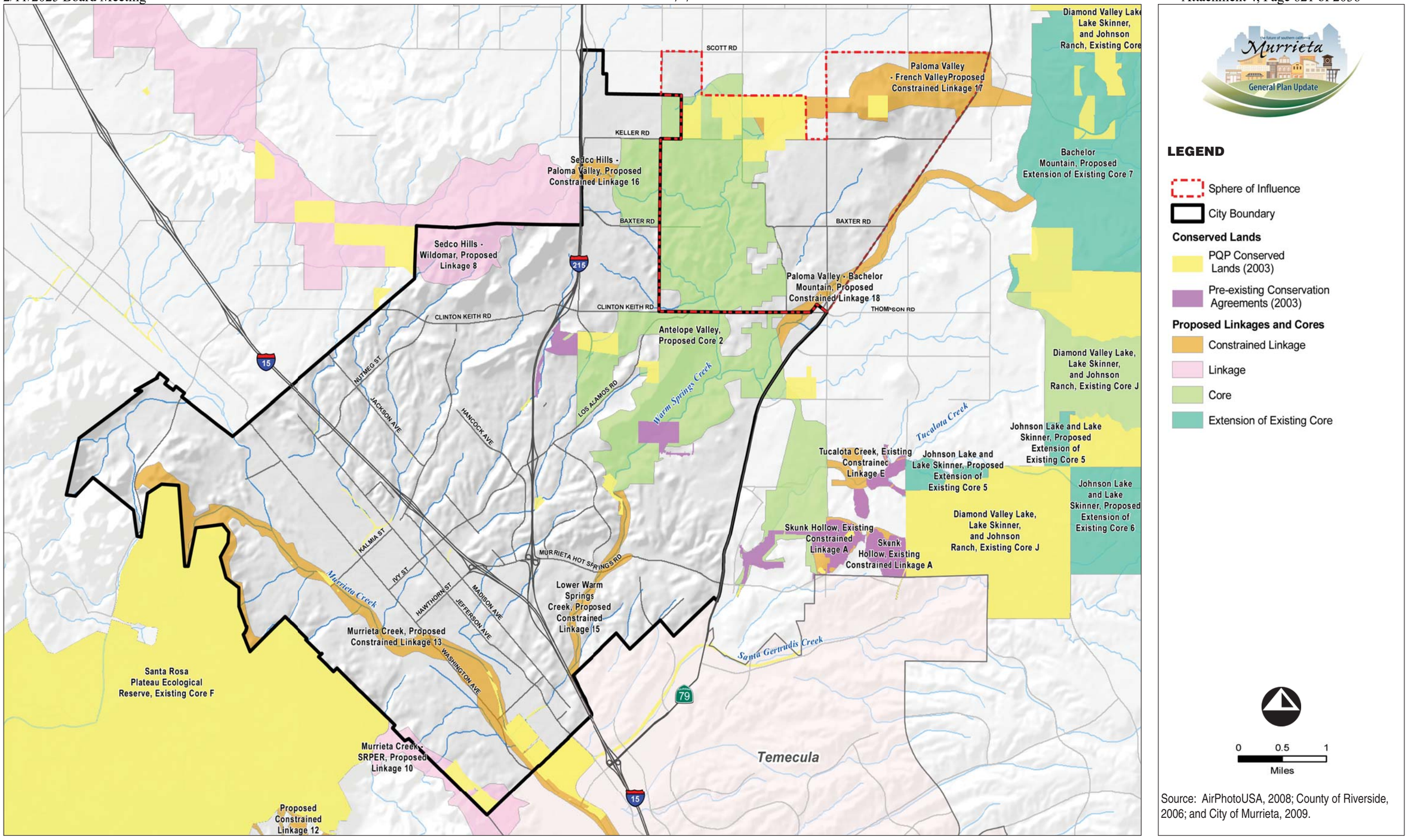
Conservation Goals

The Conservation Goals for the City/SOI focus on Proposed Linkages (i.e., Linkage and Constrained Linkage) and Proposed Cores (i.e., Core and Extension of Existing Core), as illustrated on *Exhibit 5.10-1* and outlined below:

Proposed Linkage

- 8: Sedco Hills/Wildomar.

[1] Live-In Habitat contains the necessary components to support key life history requirements of a species (e.g., year-round Habitat for permanent residents or breeding Habitat for migrant species).



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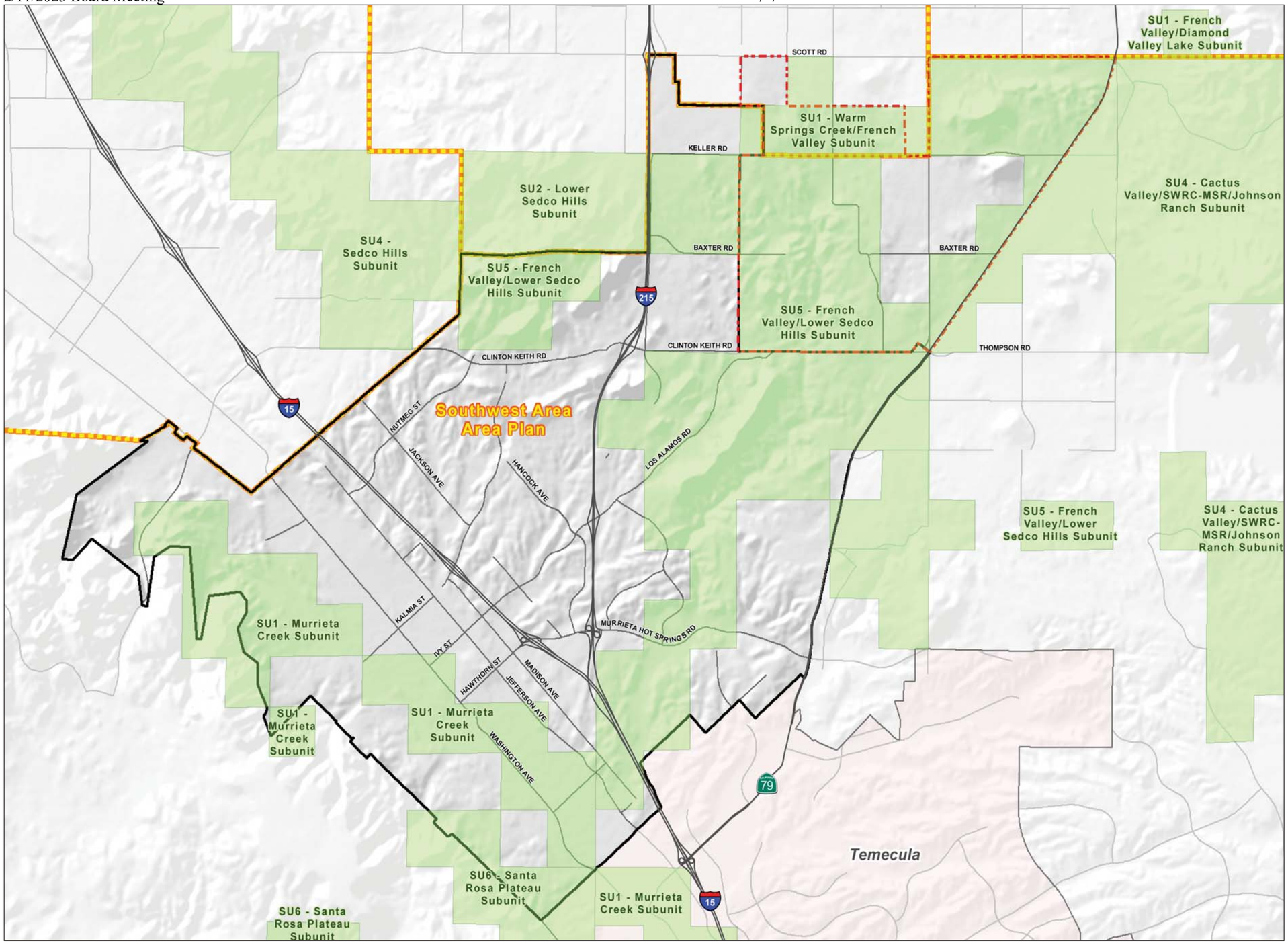
MSHCP Proposed and Existing Conservation Land

Exhibit 5.10-1

Back of 11 x 17 Exhibit.



Murrieta
General Plan Update

LEGEND

- Sphere of Influence
- City Boundary
- Area Plan Boundary
- Area Plan Sub Units

0 0.5 1
Miles

Source: AirPhotoUSA, 2008; County of Riverside, 2006; and City of Murrieta, 2009.

LSA

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MSHCP Area Plans and Subunits

Exhibit 5.10-2

Back of 11 x 17 Exhibit.

Proposed Constrained Linkages

- 13: Murrieta Creek;
- 15: Lower Warm Springs Creek;
- 16: Sedco Hills-Paloma Valley;
- 17: Paloma Valley-French Valley;
- 18: Paloma Valley-Bachelor Mountain.

Proposed Core[2]

- 2: Antelope Valley.

Exhibit 5.10-2 illustrates the boundaries of the MSHCP Area Plans and Subunits, and indicates portions of the City/SOI are within the boundaries of the Southwest and Sun City/Menifee Area Plans, and include Subunits SW1, SW5, SW6, and SCM1. MSHCP Table 3-2, Target Acreage by Area Plan Subunit, for each Area Plan Subunit. As indicated in MSHCP Table 3-2, the target conservation range for Subunits SW1, SW5, and SW6 is between 6,285 and 11,775 acres. The target conservation range for Subunit SCM1 is between 395 and 565 acres. The target conservation range for lands within Subunits SW1, SW5, SW6, and SCM1 located within City limits is between 1,580 and 3,200 acres. The variable target acreage ranges are generally based on the difference between the area of the Criteria Area for the particular Subunit and the area of the Conceptual Reserve Design for the particular Subunit.

Biological Issues and Considerations

Biological Issues and Considerations for the Southwest (SW) and Sun City/Menifee (SCM) Area Plan Subunits within the City/SOI are:

- Murrieta Creek Subunit (SW1) and Santa Rosa Plateau (SW6): Maintain habitat function as riparian and aquatic species live-in habitat and large mammal movement linkage.

- French Valley/Lower Sedco Hills (SW5) and Warm Springs Creek/French Valley (SCM1): Maintain habitat Core for narrow endemic plants (saline/alkali and clay), Quino checkerspot butterfly, Riverside fairy shrimp, Los Angeles pocket mouse, western pond turtle, and habitat linkages through the City limits (east-west and north-south) for wildlife movement and plant dispersal.

Planning and Covered Species

Planning Species are identified, in order to provide guidance for Reserve Assembly in Cores and Linkages and/or Area Plans. The Planning Species considered for conservation during the MSHCP planning process are summarized in MSHCP Table 2-2 (Species Considered For Conservation Under The MSHCP Since 1999). "Covered Species" are those within the MSHCP

[2] There are no "Proposed Extension of Existing Core" identified within the City or the SOI.

Plan Area that will be conserved by the MSHCP when it is implemented. A total of 146 species addressed in the MSHCP are concluded to be Covered Species, as follows:

- 118 species are considered to be adequately conserved under the MSHCP. Among these are species for which surveys may be required. Specific survey requirements are included in the species-specific conservation objectives presented in MSHCP Sections 6.1.2, 6.1.3, 6.3.2, and 9.0.

- 28 species will be considered to be adequately conserved under the MSHCP when certain conservation requirements are met as identified in the species-specific conservation objectives for those species (refer to MSHCP Section 9.0);

  - 16 of the 28 species, require compliance with particular species-specific conservation objectives (refer to MSHCP Table 9-3), in order to shift those particular species to the list of Covered Species Adequately Conserved.

  - 12 of the 28 species, require that a Memorandum of Understanding be executed with the Forest Service that addresses management for these species on Forest Service Land, in order to shift these species to the list of Covered Species Adequately Conserved. A complete summary of MSHCP species survey requirements is provided in Appendix E to this document.

A Conservation Strategy was developed for each of the MSHCP's Covered Species. The Conservation Strategy for each species consists of four components: 1) A global biological goal; 2) a global biological objective; 3) species-specific biological objectives; and 4) management and monitoring activities. Covered species are further discussed in the Environmental Setting [Western Riverside County Multiple Species Habitat Conservation Plan] Section below.

MSHCP Implementation Structure

The MSHCP Implementation Structure is outlined in MSHCP Section 6.0 (Implementation Structure). The "Implementation Mechanism" selected by the Permittees (including Murrieta) is the legal mechanism to implement the terms of the MSHCP and the IA. The USFWS and CDFG Permits (USFWS Section 10(a)(1)(B) permit and CDFG Take Authorization) for the MSHCP became effective upon execution of the IA. Permittees' obligations to fully implement the terms and conditions of the MSHCP and the IA commence upon execution of the Implementation Mechanism. After adoption of the Implementation Mechanism, the Local Permittees will submit a copy of the appropriate documents to the RCA and the Wildlife Agencies.

As a Permittee City, Murrieta is required to adopt the following:

- An ordinance imposing the Local Development Mitigation Fee as analyzed in the MSHCP Nexus Fee Report. Ordinances shall be adopted in substantially the same form or at a minimum containing the same requirements as the MSHCP model ordinance.

- An ordinance or resolution that adopts the MSHCP and establishes procedures and requirements for the implementation of its terms and conditions. An ordinance or resolution shall be adopted in substantially the same form or at a minimum containing the same requirements as the MSHCP model ordinance or resolution. The ordinance or resolution shall contain, at a minimum, the following conditions:

  - Commitment to utilize the Habitat Evaluation and Acquisition Negotiation Strategy (HANS) or appropriate alternative method to ensure compliance with the Criteria.

  - Imposition of all other terms of the MSHCP, including but not limited to requirements concerning riparian/riverine areas and vernal pools, narrow endemic plant species, and appropriate surveys as set forth in MSHCP Sections 6.1.2, 6.1.3, and 6.3.2.

  - Agreement to enforce all other terms and conditions of the MSHCP, Implementing Agreement and the Permits.

In compliance with these requirements, the City of Murrieta has adopted Resolution 03-1245, Resolution Number 03-1246 (Western Riverside County MSHCP Implementation Policy), and Ordinance No. 289-03, which are discussed in the City of Murrieta MSHCP Resolutions/Ordinance Section below.

PROPERTY OWNER INITIATED HABITAT EVALUATION AND ACQUISITION NEGOTIATION STRATEGY (HANS)

Pursuant to MSHCP Section 6.1.1 (Property Owner Initiated Habitat Evaluation and Acquisition Negotiation Strategy (HANS)), the HANS process applies to property, which may be needed for inclusion in the MSHCP Conservation Area or subjected to other MSHCP Criteria. The Process is implemented by the County and those Cities that have agreed to implement the HANS process. The process is described as follows, pursuant to MSHCP Section 6.1.1.

Under the MSHCP, the Western Riverside County RCA, the County, Cities, or various State and Federal Agencies may obtain interests in property needed to implement the MSHCP over time. Interest may be obtained in fee, conservation easement, deed restriction, land exchange, flood control easement or other type of interest acceptable to the RCA, the County, Cities, acquiring State and/or Federal Agency, and property owner. As a property interest is obtained, it will become part of the MSHCP Conservation Area.

The establishment of Criteria Area boundaries is intended to facilitate the process by which the County or Cities evaluate property that may be needed for inclusion in the MSHCP Conservation Area. The Criteria Area, is an area significantly larger than what will be the MSHCP Conservation Area; refer to MSHCP Figure 3-1, MSHCP Plan Map. Property within the Criteria Area will be evaluated using MSHCP Conservation Criteria. The Criteria Area is an analytical tool which assists in determining which properties to evaluate for acquisition and conservation

under the MSHCP and does not impose land use restrictions. The Process ensures that an early determination will be made of what properties are needed for the MSHCP Conservation Area and that owners of land not needed for the MSHCP Conservation Area receive Take Authorization for Covered Species Adequately Conserved through the Permits issued to the County and Cities pursuant to the MSHCP.

Development of property outside of the MSHCP Conservation Area (both within and outside of the Criteria Area) receive Take Authorization for Covered Species Adequately Conserved provided payment of a mitigation fee is made (or any credit for land conveyed is obtained), as required by Murrieta's Local Development Mitigation Fee Ordinance, and compliance with MSHCP Section 6.0 (MSHCP Implementation Structure) occurs, as required by Murrieta's MSHCP Implementation Policy. Payment of the mitigation fee and compliance with the requirements of MSHCP Section 6.0 are intended to provide full mitigation under CEQA, NEPA, FESA, and CESA for impacts to the species and habitats covered by the MSHCP pursuant to agreements with the USFWS, CDFG, and/or any other appropriate participating regulatory agencies and as set forth in the MSHCP's IA. However, it is recognized that the MSHCP cannot provide mitigation for projects regulated by entities or agencies not participating in the MSHCP.

All proposed discretionary development projects within the Criteria Area would be subject to review under the HANS process and monitored through a uniform computerized tracking system. However, the issuance of a grading permit or site preparation permit for an individual single family home or mobile home on an existing legal lot shall not be subject to review under the HANS process but shall be subject to review under the procedures described in the Expedited Review Process for Single-Family Homes or Mobile Homes To Be Located on an Existing Lot Within the Criteria Area. This HANS process would not limit the County's or the Cities' ability to approve or deny a development application except that a project consistent with the HANS process may not be denied solely because a development application does not comply with the MSHCP Conservation Criteria.

PROTECTION OF SPECIES ASSOCIATED WITH RIPARIAN/RIVERINE AREAS AND VERNAL POOLS

MSHCP Section 6.1.2 describes the process through which protection of riparian/riverine areas and vernal pools would occur within the MSHCP Plan Area. Protection of riparian/riverine areas and vernal pools is important to conservation of the various species identified in MSHCP Section 6.1.2. The procedures outlined in this section are intended to ensure that the biological functions and values of these areas throughout the MSHCP Plan Area are maintained such that habitat values for species inside the MSHCP Conservation Area are maintained.

PROTECTION OF NARROW ENDEMIC PLANT SPECIES

As a Criteria-based plan, the MSHCP focuses on preserving individual species through conservation. Conservation is based on each species' particular habitat requirements, as well as

the known distribution data for each species. The existing MSHCP database does not, however, provide the level of detail sufficient to determine the extent of the presence or distribution of narrow endemic plant species within the MSHCP Plan Area. Narrow endemic plant species are highly restricted by their habitat affinities, edaphic requirements or other ecological factors, and for which specific conservation measures have been identified in MSHCP Section 6.1.3. Since conservation planning decisions for these species will have a substantial effect on the status of these species, additional information regarding the presence of these species is required during the long-term implementation of the MSHCP, in order to ensure that appropriate conservation of these species occurs. MSHCP Section 6.1.3 identifies the narrow endemic plant species for the MSHCP and the procedures necessary to ensure that the biological functions and values of these areas throughout the MSHCP Plan Area are maintained such that habitat values for species inside the MSHCP Conservation Area are maintained. These procedures address the following requirements:

- Survey, Mapping and Documentation Requirements;
- Avoidance and Minimization;
- Determination of Biologically Equivalent or Superior Preservation;
- Relationship to Existing Wetland Regulations; and
- Additional Species Benefits.

ADDITIONAL SURVEY NEEDS AND PROCEDURES

Additional surveys may be needed for certain species in conjunction with implementation of the MSHCP, in order to achieve coverage for these species. MSHCP Section 6.3.2 (Additional Survey Needs and Procedures) discusses those additional survey needs and procedures.

HABITAT CONSERVATION PLAN FOR THE SETPHENS' KANGAROO RAT IN WESTERN RIVERSIDE COUNTY

Background

In October 1988 the Stephens' kangaroo rat (SKR) was listed as an endangered species by the United States Fish and Wildlife Service (USFWS). Under the Endangered Species Act (ESA), both the SKR and its habitat were protected from any type of disturbance resulting in "take" of the species. The net effect was to freeze new development on more than 22,000 acres throughout western Riverside County. At the time of listing very little was known about the animal, its geographical distribution, or its habitat needs.

In order to address severe economic impacts of the SKR listing, the Riverside County Habitat Conservation Agency (RCHCA) prepared a Short-Term Habitat Conservation Plan (HCP). This HCP, approved by the USFWS and CDFG in August 1990, was intended as an interim conservation program designed to afford protection to the SKR while a plan providing for the establishment of permanent preserves could be developed.

Stephens' Kangaroo Rat Habitat Conservation Plan (1996)

On behalf of its members, the Riverside County Habitat Conservation Agency (RCHCA) sought a permit from the U.S. Fish and Wildlife Service (USFWS) and an agreement with the California Department of Fish and Game (CDFG) which would authorize incidental and management take, respectively, of the Stephens' kangaroo rat (SKR), a species protected under both the California and federal Endangered Species Acts (ESA). Toward this objective, the RCHCA prepared a Habitat Conservation Plan (HCP) which describes the conservation, mitigation, and monitoring measures which will be implemented if the permit and agreement are approved by the USFWS and CDFG.

This HCP is intended to replace a SKR Short-Term HCP, which the RCHCA and its member agencies have been implementing since 1990. Under that plan the USFWS and CDFG authorized a limited amount of incidental take subject to conservation and mitigation actions designed to:

- Provide for interim protection of Study Areas in order to allow for their evaluation as potential SKR reserves;
- Ensure full mitigation for all SKR occupied habitat incidentally taken through acquisition of replacement habitat in Study Area locations approved by the USFWS;
- Allow time for the RCHCA to conduct biological research necessary to document the species' characteristics and identify factors essential to its continued existence in the HCP area;
- Design a regional reserve system adequate to ensure long-term SKR persistence in the plan area; and
- Establish reliable funding sources sufficient to implement all provisions of the HCP for which the RCHCA assumed financial responsibility.

With the HCP, RCHCA seeks to:

- Replace its existing authorizations for incidental take of SKR with a 30-year permit and agreement;
- Replace the conservation, mitigation, and monitoring measures established under the Short-Term plan with those described in this HCP; and
- Implement a conservation program for the SKR which will also provide the basis for a subsequent ecosystem based plan covering all sensitive habitat types and species in RCHCA jurisdictions.

The new permit and agreement would be valid for 30 years and would authorize incidental take of SKR on RCHCA member agency lands within the plan area mapped in the HCP (Figure S-1).

The HCP area covers 533,954 acres within RCHCA member jurisdictions, including approximately 30,000 acres of occupied SKR habitat (Table S-1).

CONSERVATION, MITIGATION, AND MONITORING MEASURES

To meet the requirements specified in the California and Federal ESA's for the incidental and management take authorizations it seeks, the RCHCA prepared this HCP which identifies how the impacts of SKR incidental take will be minimized, mitigated, and monitored, and the degree to which the species' persistence in the plan area will be ensured.

1. Establishment, Completion, Expansion, and Management of the Core Reserves

The establishment, completion, expansion, and management of the core reserves defined in Chapter 5. SKR Conservation and Mitigation Measures will be the primary means of mitigating the impacts of incidental take to SKR in the plan area. These conservation and management activities also will be the primary means of assuring that SKR will persist within the plan area.

Through its implementation of the Short-Term SKR plan the RCHCA has ensured the conservation of the vast majority of land contained within the core reserves defined in this HCP. In order of decreasing size, the seven core reserves established by this HCP are:

- Lake Skinner-Domenigoni Valley (13,158 acres);
- Lake Mathews-Estelle Mountain (11,243 acres);
- San Jacinto-Lake Perris (10,932 acres);
- Sycamore Canyon-March Air Force Base (2,502 acres);
- Steele Peak (1,753 acres);
- Potrero ACEC (995 acres); and
- Motte Rimrock (638 acres).

In the aggregate these core reserves encompass 41,221 acres, including 12,460 acres of SKR occupied habitat.

2. RCHCA Funding Commitments

In addition to the $30 million expended to date by the RCHCA to implement the Short-Term HCP and develop this conservation plan, the agency will provide an additional $11.7 million toward land acquisition, core reserve management, and administration activities necessary to implement this HCP. The implementation budget for the HCP are presented in Chapter 5, SKR Conservation and Mitigation Measures.

3. Monitoring of Compliance and Plan Effectiveness

The RCHCA will maintain responsibility for monitoring compliance with the terms and conditions of the permit and agreement. Additionally, with the assistance of the RMCC, the

RCHCA will evaluate the effectiveness of HCP conservation and mitigation measures, and submit annual reports concerning same to USFWS and CDFG.

Annual reports will be reviewed by USFWS and CDFG to assess the effectiveness of the HCP in ensuring SKR persistence in the plan area. If necessary, modifications to the HCP will be made to address problems identified in the annual reports.

4. Plan Implementation

All of the institutional arrangements necessary for plan implementation are presently in place or will be established through interagency and cooperative agreements. The RCHCA Joint Powers Agreement already vests sufficient authority in the agency to perform all tasks necessary to fulfill its commitments for HCP implementation. Implementation of this HCP will be governed by legal agreements executed among the RCHCA, its member agencies, USFWS, CDFG, BLM, U.S. Department of Interior, and the State of California Resources Agency. The purpose of such agreements is to specify the terms and conditions under which the HCP will be implemented, and define the roles and responsibilities of all parties. The RCHCA and its member agencies will execute a combined Implementation Agreement/California Endangered Species Permit agreement with the aforementioned Federal and State agencies.

The City of Murrieta joined the Riverside County Habitat Conservation Agency Joint Exercise Powers Agreement on August 1, 1995.

IMPLEMENTATION AGREEMENT, RIVERSIDE COUNTY, LONG TERM CONSERVATION PLAN

The Agreement was made and entered into on April 23, 1996 by and among the United States Department of Interior, the United States Fish and Wildlife Service, the United States Bureau of Land Management, The Resources Agency of the State of California, the California Department of Fish and Game, the Riverside County Habitat Conservation Agency, the County of Riverside, and the cities of Corona, Hemet, Lake Elsinore, Moreno Valley, Murrieta, Perris, Riverside, and Temecula, all of which are located within the County of Riverside.

CITY OF MURRIETA DEVELOPMENT CODE – TREE PRESERVATION

Murrieta Development Code (*MDC*) Chapter 16.42, *Tree Preservation*, provides regulations for the protection, preservation, and maintenance of native Oak, Sycamore, and Cottonwood trees, trees of historic or cultural significance, groves and stands of mature trees, and mature trees in general, that are associated with proposals for development. These provisions are also intended to perpetuate these trees through the replacement of trees removed as a result of a new development. Pursuant to *MDC* Chapter 16.42, a protected tree includes any of the following:

A. Native Oak with a diameter at breast height of four inches or greater. Smaller trees may also be protected under special circumstances as determined by the Director;

B. Trees of historical or cultural significance as identified by Council resolution;

C. Significant groves or stands of trees;

D. Mature trees located on a parcel of one acre or more. Smaller trees may also be protected under special circumstances as determined by the Director; or,

E. Any tree required to be planted or preserved as environmental mitigation for a discretionary permit.

No person is allowed to remove, cut down, or otherwise destroy a protected tree, unless a Tree Removal Permit has been approved by the Director of the Department of Planning. All development projects within the City are required to recognize through project design the desirability of preserving protected trees to the greatest extent feasible. The design of proposed grading and other improvements shall also reflect certain measures such as providing sufficient growing areas, minimizing disruption or removal of root zones, fencing of trees at or beyond the drip line during grading and construction, and minimizing all cutting, filling, or compaction of soils within the drip line, among other measures.

CITY OF MURRIETA MSHCP RESOLUTIONS/ORDINANCE

RESOLUTION NUMBER 03-1245

Resolution Number 03-1245 makes responsible agency findings pursuant to CEQA for the MSHCP/NCCP and approves the Western Riverside County MSHCP/NCCP and IA. Additionally, this Resolution adopts the environmental findings pursuant to CEQA and a Statement of Overriding Considerations.

RESOLUTION NUMBER 03-1246 (WESTERN RIVERSIDE COUNTY MULTIPLE SPECIES HABITAT CONSERVATION PLAN IMPLEMENTATION POLICY)

The Western Riverside County MSHCP Implementation Policy was adopted by the City on September 16, 2003, for the purpose of establishing procedures and requirements for implementation of the Western Riverside County MSHCP. Adoption and implementation of this Policy enables the City to achieve the conservation goals set forth in the Western Riverside County MSHCP, implement the associated IA, and preserve the ability of affected property owners to make reasonable use of their land consistent with NEPA, CEQA, FESA, CESA, NCCP Act, and other applicable laws.

The regulations specified in this Policy apply to all land within the City (with certain exceptions). Pursuant to Section V (Procedures) of this Resolution, the procedures for implementing the MSHCP are:

A. The City shall implement the requirements for private and public project contributions to the MSHCP Conservation Area, as set forth in the MSHCP, through compliance with one of the following:

   1. The City shall implement the Habitat Acquisition and Negotiation Strategy (HANS); or

   2. Upon receipt of a completed application for a project that is subject to this Resolution, or prior to the City's initiation of a project, the City shall determine whether all or a portion of the real property for the project is located within the boundaries of the Criteria Area. If the City determines that all or a portion of the real property for the project is located within the Criteria Area, then the City shall perform the following:

      a. Determine the design criteria applicable to the project based on the particular USGS section, quadrant, and/or cell grouping in which the project property is located, as set forth in Section 3.2 of the MSHCP; and

      b. Impose as a condition to the City's approval of the project such conditions as are necessary to ensure the project complies with and implements the design criteria applicable to the project.

Additionally, the City shall implement the requirements pertaining to the following:

B. Protection of riparian/riverine areas and vernal pools as set forth in MSHCP Section 6.1.2;

C. Protection of narrow endemic plant species as set forth in MSHCP Section 6.1.3;

D. Conditions of Approval for the urban/wildlands interface guidelines as set forth in MSHCP Section 6.1.4;

E. Conditions of Approval for surveys as set forth in MSHCP Section 6.3.2; and

City transfer of property.

ORDINANCE NUMBER 289-03 (LOCAL DEVELOPMENT MITIGATION FEE ORDINANCE)

The Local Development Mitigation Fee Ordinance establishes a mitigation fee for funding the preservation of natural ecosystems in accordance with the Western Riverside County MSHCP. Pursuant to Section 4 (Local Development Mitigation Fee) of this Ordinance, a local development mitigation fee shall be paid for each development project or portion thereof to be constructed within the City, as specified in this Ordinance.

5.10.2 ENVIRONMENTAL SETTING

Literature used to document the biological resources existing setting were the *Biological Resources Report* (LSA Associates, Inc., December 2009), the CDFG Natural Diversity Data Base (NDDB) (2009a), the California Native Plant Society (CNPS) Electronic Inventory, the United States Department of Agriculture (USDA) Soil Survey, Western Riverside Area, California (Soil Conservation Service 1971), United States Geological Survey (USGS) topographic maps, California Water Quality Control Board hydrologic data, and the MSHCP (2003).

TOPOGRAPHY

The City is located in the southern tip of the Riverside Lowlands bioregion. The City is surrounded by three foothill ranges — Sedco Hills, Tucalota Hills (Bachelor Mountain), and Santa Rosa Plateau — and two drainage areas — Murrieta Creek and Warm Springs Creek. Elevation ranges from approximately 1,050 feet to 1,550 feet above mean sea level (amsl). The City is built on a series of plateaus, each raising the land elevation by roughly 100 feet starting from Murrieta Creek, stepping up at Interstate 15 (I-15), again at Murrieta Hot Springs Road, and finally at the Hogbacks. The "Hogbacks" is a small range of foothills situated south to north (one to two miles) with a 300-foot elevation gain above the valley floor.

SOILS

Two soil associations in Murrieta contain soil types of MSHCP importance: Cajalco-Temescal-Las Posas, underlying the northern portion of the City of Murrieta, east of the I-15; and Hanford-Tujunga-Greenfield, located along the I-15 corridor. Soils with a variety of properties have been identified in the MSHCP as indicative of rare or listed plant and wildlife species. These soils generally fall into three categories: saline-alkali, heavy clays, and vernal pool soils. Refer to Section 5.8, Geology and Seismic Hazards, for further discussion.

VEGETATION AND HABITATS

The vegetation types present in the City/SOI are illustrated in *Exhibit 5.10-3*, *Vegetation and Land Use*. The Wildlife Habitat Relationship (WHR) system of vegetation classification was used to map land cover and land use.[3] As indicated *Exhibit 5.10-3*, the vegetation types present in the City/SOI include annual grassland, coastal scrub, chaparral, oak woodland, riparian, and wetlands.

Table 5.10-1, *Existing Vegetation and Land Use in the City and Sphere of Influence*, outlines more specific categories and acreages of the plant communities within the City/SOI.

[3] The WHR is a standardized habitat classification scheme for California containing 59 habitats, structural stages for most habitats, and 124 special habitat elements.

Approximately 8,374 acres of undeveloped land with potential wildlife habitat (excludes agricultural lands) are present within the City/SOI.

Annual Grassland. Introduced annual grasses are dominant plant species in this habitat. These include wild oats, soft chess, rip-gut brome, red brome, and foxtail fescue. Many wildlife species use annual grasslands for foraging along with other habitat features necessary for nesting or roosting or escape cover. Species commonly found in this habitat are western fence lizard, garter snake, western rattlesnake, black-tailed jackrabbit, California ground squirrel, Botta's pocket gopher, coyote, burrowing owl, horned lark, turkey vulture, kestrel, and red-tailed hawk.

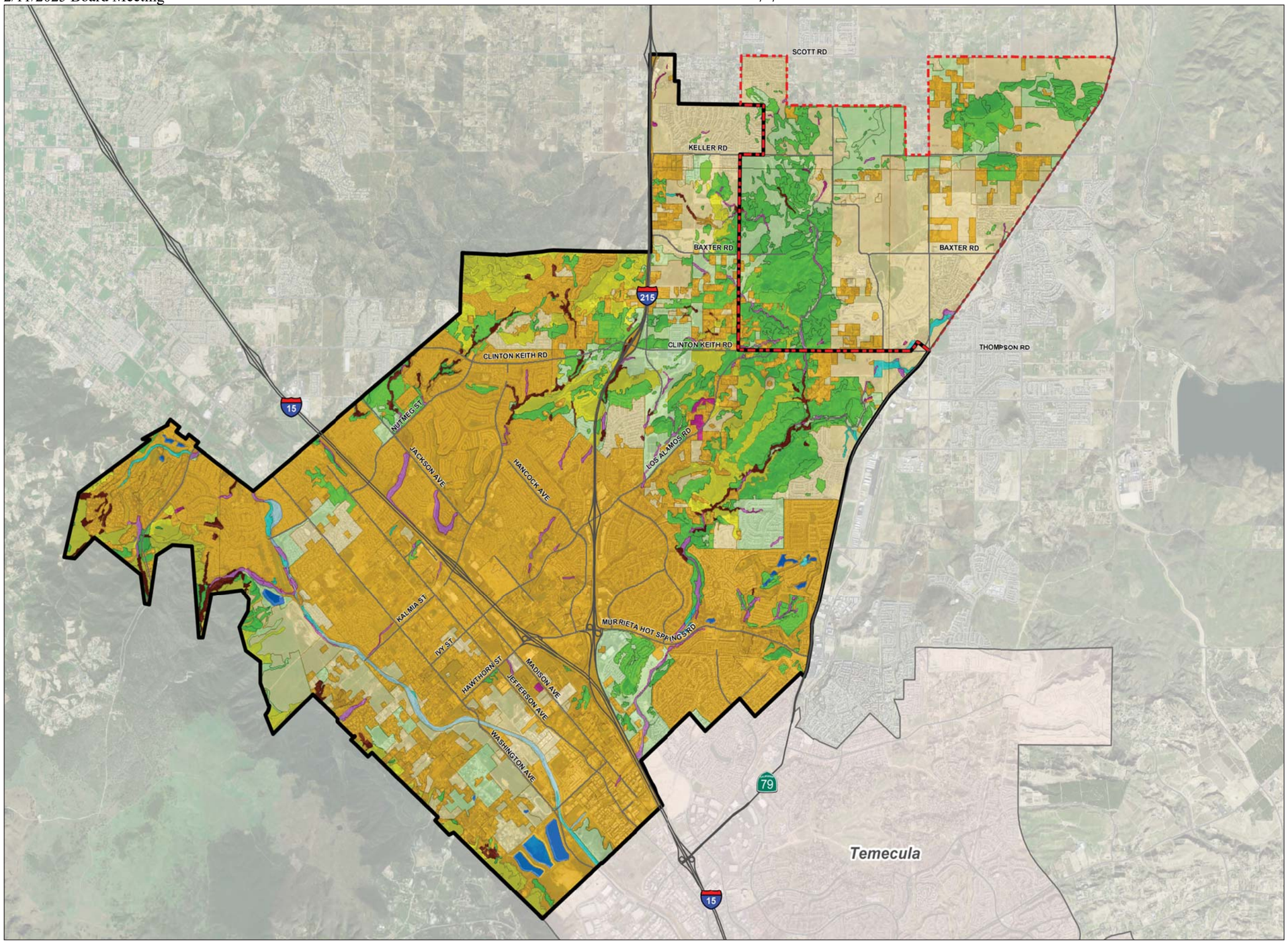
Table 5.10-1
Existing Vegetation and Land Use in the City and Sphere of Influence

Wildlife Habitat[1]	Wildlife Habitat Mapping Units (Common Name)	Approximate Area (acres)
Annual Grassland	California annual grassland alliance	2,340
Coastal Oak Woodland	Five different plant associations	303
Coastal Scrub	Sixteen different plant associations	3,372
Cropland, Orchard, Vineyard	Agricultural Land Use	5,662
Eucalyptus	Eucalyptus Alliance	35
Fresh Emergent Wetland	Bulrush-cattail	107
Lacustrine	Water mapping unit	128
Mixed Chaparral	Twelve different plant associations	1,636
Riverine/Lacustrine	Sandbars, mud flats, riparian shrubs and trees associated with a river	137
Urban	Five different mapping units	12,816
Valley Foothill Riparian	Nine different plant associations	316
TOTAL		26,852

1. Based on the Wildlife Habitat Relationship (WHR) system of vegetation classification.

Coastal Oak Woodland. Oak woodlands can be deciduous and evergreen hardwoods, either dense with closed canopy or widely spaced in a savannah-like setting. Understory may be absent or may be dense coastal scrub and chaparral. Dominant species are Engelmann oak, coast live oak, interior live oak, and California walnut. Over 60 species of mammals and 110 bird species use oak habitats.

Coastal Scrub. Plant associations in coast scrub are of low to moderately sized shrubs with semi-woody stems, woody bases, and shallow root systems known to grow in a moderate moisture climate. Species composition, diversity, and density vary greatly with change in geographic location. California sage brush, California buckwheat, deerweed, brittlebush, black sage, and white sage are common coastal scrub species in the City. The California gnatcatcher, a song bird federally listed as threatened, is found exclusively in coastal scrub habitat.



Murrieta
General Plan Update

LEGEND

- Sphere of Influence
- City Boundary

Vegetation and Land Use (2006)

- Annual Grassland
- Coastal Oak Woodland
- Coastal Scrub
- Cropland, Orchard - Vineyard
- Eucalyptus
- Fresh Emergent Wetland
- Lacustrine
- Mixed Chaparral
- Riverine, Lacustrine
- Urban
- Valley Foothill Riparian

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Source: AirPhotoUSA, 2008; County of Riverside, 2006; and City of Murrieta, 2009.

LSA

07/11 • JN 10-106976

Vegetation and Land Use

Exhibit 5.10-3

Back of 11 x 17 Exhibit.

Cropland, Orchard, Vineyard. Croplands in association with orchards and vineyards are established on the most fertile soils in California, which historically supported high wildlife diversity and abundance. Some wildlife species have adapted to agricultural activities, but may be considered agricultural pests, thus, their presence in agricultural areas can be managed to reduce loss of crop production.

Eucalyptus. Eucalyptus habitats are usually single species thickets, rows of individual trees, or stands of closed canopy mature trees. These trees provide roosting and nesting habitat for many raptors, such as red-tailed hawk and barn owls, along with crows and ravens. The eucalyptus groves also serve as resting places for migratory song birds, such as tanagers and orioles, and monarch roosting.

Fresh Emergent Wetland. An emergent wetland is dominated by erect perennial and herbaceous water-loving plants and one of the most productive wildlife habitats in California. Numerous bird species, reptiles, and amphibians use wetlands as their primary habitat.

Lacustrine. Lacustrine habitat is distinguished by the presence ponded water in depressions or dammed streambeds with standing water, either present year-round or intermittent and seasonal. Submerged, floating, or emergent vegetation would be present depending upon the depth of the water. Numerous mammals, birds, reptiles, amphibians, crustaceans, and insects use lakes and ponds for food, water, cover, and reproduction.

Mixed Chaparral. Chaparral is a homogenous brushland dominated by thick, stiff shrubs with evergreen leaves in a nearly impenetrable thicket. Chaparral habitat can have numerous species of woody plants. Chaparral supports many species known to occur in coastal shrub and forest habitats.

Riverine. This habitat is influenced by intermittent or perennial running water. The habitat includes open water, riffle-pool complexes, emergent water-loving plants, and adjacent riparian terrestrial habitat. Waterfowl, eagles, herons, swallows, and flycatchers forage in riverine habitat. Beavers occupy the streams within the City.

Urban. Vegetation in urban settings includes tree groves, street strips, shade trees, lawns, and shrubs. Other classifications can be trees in between buildings, parks, open spaces, and ornamental gardens. Common species are mockingbird, scrub jay, acorn woodpecker, house finch, black phoebe, raccoon, opossum, and striped skunk. Suburban areas with large tracts of adjacent natural vegetation have increased wildlife diversity due to readily available water from landscape irrigation.

Valley Foothill Riparian. This habitat is known for statuesque cottonwoods, sycamores, and willows with either open understory or with shade-tolerant herbaceous or shrub species. Riparian habitats provide food, water, migration and dispersal corridors, escape cover, thermal protection, and reproductive sites.

MSHCP PLANNING SPECIES

In order to describe and implement the MSHCP's proposed conservation objectives efficiently, the Reserve Area's Cells are grouped into Area Plans and Subunits. As indicated in *Exhibit 5.10-2*, portions of the City are within the boundaries of the Southwest Area Plan (Subunits SW1, SW5, and SW6) and portions of the SOI are within the boundaries of the Sun City/Menifee Area Plan (Subunit SCM1). The MSHCP identifies wildlife and plant species expected or known to occur within each Area Plan (Planning Species), in order to provide guidance for Conceptual Reserve Design. Planning Species include Listed species and species with specific habitat requirements. The Planning Species that are relevant to the City/SOI are outlined in *Table 5.10-2*, *Species of Importance in the City and Sphere of Influence (Western Riverside County MSHCP).* It is noted that *Table 5.10-2* may also include species which are not Planning Species for the area in question, but which may have important or key populations located in the area. Of the 54 Planning Species known or expected to occur within the City/SOI, 27 are Special Status (Listed) Species and 27 are Non-Listed Species; refer also to the Special Status Plants, Wildlife, and Habitats Section below.

The MSHCP Conservation goals focus on species associated with unusual soil types such as heavy clays, strongly saline-alkali loams, and soils with impenetrable layer that provide conditions required to form vernal pools. Listed plant and wildlife species associated with specific soil types are Munz's onion, San Diego ambrosia, spreading navarretia, California Orcutt grass, and Quino checkerspot butterfly. Coastal scrub and chaparral habitat areas are important for the Quino checkerspot butterfly and California gnatcatcher. Annual grassland and coastal scrub habitat is important to listed Stephens' kangaroo rat. Riparian, lacustrine, and emergent wetland habitats are important to listed least Bell's vireo and southwestern willow flycatcher.

Table 5.10-2
Species of Importance in the City and Sphere of Influence
(Western Riverside County MSHCP)

Species	Status	Habitat and Description	Activity Period
Plants			
Allium munzii **Munz's onion**	US: FE CA: ST CNPS: 1B MSHCP: S	On clay soils in openings within coastal sage scrub, pinyon juniper woodland, and grassland; 300 to 1,070 meters (1,000 to 3,500 feet) elevation. Known only from western Riverside County in Temescal Canyon, Gavilan Plateau, Bachelor Mountain, and Skunk Hollow areas. Clay soils on mesic exposures or seasonally moist microsites in grassy openings of coastal sage scrub, chaparral, juniper woodland, or valley and foothill grassland.	Blooms April through May (Perennial bulb)

Table 5.10-2 [continued]
Species of Importance in the City and Sphere of Influence
(Western Riverside County MSHCP)

Species	Status	Habitat and Description	Activity Period
Ambrosia pumila **San Diego ambrosia**	US: FE CA: SP CNPS: 1B MSHCP: S	Occurs in open habitats, usually near drainages or vernal pools, usually in sandy loam or on clay (including upland clay slopes) from 20 to 487 meters (70 to 1,600 feet) elevation. Known from western Riverside and western San Diego Counties. Also occurs in Mexico. Open floodplain terraces on Garretson gravelly fine sandy loams, or in the watershed margins of vernal pools or alkali playas on Las Posas loam in close proximity to Willow silty alkaline soils. Occurs in sparse annual vegetation.	Generally non-flowering (perennial herb)
Atriplex parishii **Parish's brittlescale**	US: – CA: SP CNPS: 1B MSHCP: S	Alkali meadows, vernal pools, chenopod scrub, and playas. Usually on drying alkali flats with fine soils. In California, known from Riverside, San Diego, and Orange Counties. Also occurs in Mexico. Believed extirpated from Los Angeles and San Bernardino Counties. Domino, Willows, and Traver soils in alkali vernal pools, alkali annual grassland, alkali playa, and alkali scrub components of alkali vernal plains.	Blooms June through October (annual herb)
Atriplex serenana var. *davidsonii* **Davidson's saltscale**	US: – CA: SP CNPS: 1B MSHCP: S	Alkaline soils in scrub and herbaceous communities from 10 to 460 meters (30 to 1,500 feet) elevation. In California, known only from Los Angeles, Orange, Riverside, San Diego, San Luis Obispo, and Ventura Counties. Believed extirpated from Santa Barbara and perhaps Los Angeles Counties. Also occurs in Mexico. Domino, Willows, and Traver soils in alkali vernal pools, alkali annual grassland, alkali playa, and alkali scrub components of alkali vernal plains.	Blooms April through October (annual herb)
Brodiaea filifolia **Thread-leaved brodiaea**	US: FT CA: SE/1B MSHCP: S	Usually on clay or associated with vernal pools or alkaline flats; occasionally in vernally moist sites in fine soils (clay loam, silt loam, fine sandy loam, loam, loamy fine sand). Typically associated with needlegrass or alkali grassland or vernal pools. Below 860 meters (2,800 feet) elevation. Los Angeles, Orange, Riverside, San Bernardino and San Diego Counties.	Blooms March through June (Perennial corm)
Brodiaea orcuttii **Orcutt's brodiaea**	US: – CA: 1B MSHCP: C	Clay and some serpentine soils in grasslands near streams or vernal pools, also known from woodlands, chaparral, and conifer forest; sea level to 1,615 meters (5,300 feet) elevation; Orange, Riverside, and San Diego Counties, and Baja California.	May through July
California macrophylla (*Erodium macrophyllum*) **Round-leaved filaree**	US: – CA: SP CNPS: 1B MSHCP: S	Clay soils in woodland, scrub, and grassland communities from 15 to 1,200 meters (50 to 4,000 feet) elevation. Known from central and south coastal areas and the Central Valley in California. Also occurs in Oregon and Mexico. Clay soils in open cismontane woodland (e.g., oak, juniper woodlands) and valley and foothill grassland. The MSHCP account for this species states that it is restricted to "very friable clay soils. Within the City/SOI, two of the mapped localities occur on Bosanko clay soils" and that "this species tends to be associated primarily with wild oats (*Avena fatua*)."	Blooms March through May (annual herb)

Table 5.10-2 [continued]
Species of Importance in the City and Sphere of Influence
(Western Riverside County MSHCP)

Species	Status	Habitat and Description	Activity Period
Centromadia pungens ssp. *laevis* **Smooth tarplant**	US: – CA: SP CNPS: 1B MSHCP: S	Alkaline areas in chenopod scrub, meadows, playas, riparian woodland, valley and foothill grassland below 480 meters (1,600 feet) elevation. Known from Riverside and San Bernardino Counties, extirpated from San Diego County. Primarily alkaline soils in alkali scrub, alkali playas, riparian woodland, watercourses, and alkaline grasslands. The MSHCP account for this species states that "Suitable habitat for the smooth tarplant includes alkali scrub, alkali playas, and grasslands with alkaline affinities...smooth tarplant is restricted to clay and alkaline, silty-clay soils."	Blooms April through November (annual herb)
Chorizanthe polygonoides var. *longispina* **Long-spined spineflower**	US: – CA: 1B MSHCP: C	Clay soils in chaparral, coastal scrub, meadows and seeps, valley and foothill grassland at 30 to 1,450 meters (100 to 4,800 feet) elevation. Occurs in Riverside and San Diego Counties.	April through July (annual herb)
Dudleya multicaulis **Many-stemmed dudleya**	US: – CA: SP CNPS: 1B MSHCP: S	Heavy, often clay soils or around granitic outcrops in chaparral, coastal sage scrub, and grassland below 790 meters (2,600 feet) elevation. Known only from Los Angeles, Orange, Riverside, San Bernardino, and San Diego Counties. Clay soils in barrens, rocky places, ridgelines, and thinly vegetated openings in chaparral, coastal sage scrub, and southern needlegrass grasslands. Visible population size varies considerably year-to-year depending on rainfall patterns. The MSHCP account for this species states that "Many-stemmed dudleya is associated with openings in chaparral, coastal sage scrub, and grasslands underlain by clay and cobbly clay soils of the following series: Altamont, Auld, Bosanko, Claypit, and Porterville."	Blooms April through July (perennial herb)
Eryngium aristulatum var. *parishii* **San Diego button-celery**	US: FE CA: SE/1B MSHCP: C	Vernal pools at 15 to 620 meters (50 to 2,000 feet) elevation. In California, known only from Riverside and San Diego Counties.	April through June
Harpagonella palmeri **Palmer's grapplinghook**	US: – CA: 4 MSHCP: C	Clay soils in openings in coastal sage scrub, juniper woodland, and grassland; below 830 meters (2,700 feet) elevation. In California, known only from Orange, Riverside, and San Diego Counties and the Channel Islands.	March through April
Hordeum intercedens **Vernal barley**	US: – CA: 3 MSHCP: C	Vernal pools and saline flats and depressions below 1,000 meters (3,300 feet) elevation. Known from many California Counties. Also occurs in Mexico.	March through June (annual herb)

Table 5.10-2 [continued]
Species of Importance in the City and Sphere of Influence
(Western Riverside County MSHCP)

Species	Status	Habitat and Description	Activity Period
Juglans californica var. *californica* **Southern California black walnut**	US: – CA: 4 MSHCP: C	A 15 to 30-foot tree with multiple trunks that produces small thick-shelled walnuts. Found growing near creeks and rivers.	(tree)
Lasthenia glabrata ssp. *coulteri* **Coulter's goldfields**	US: – CA: SP CNPS: 1B MSHCP: S	Usually alkaline soils in marshes, playas, vernal pools, and valley and foothill grassland below 1,400 meters (4,600 feet) elevation. Known from Colusa, Merced, Tulare, Orange, Riverside, Santa Barbara, San Diego, San Luis Obispo, and Ventura Counties. Believed extirpated from Kern, Los Angeles, and San Bernardino Counties. Also occurs in Mexico. Traver, Domino or (usually) Willows soils in alkali scrub, alkali playas, vernal pools, and alkali grasslands. The MSHCP account for this species states that "Coulter's goldfields is restricted to clay and alkaline, silty-clay soils."	Blooms February through June (annual herb)
Lepechinia cardiophylla **Heart-leaved pitcher sage**	US: – CA: 1B MSHCP: S	Closed cone coniferous forest, chaparral, cismontane woodland; 550 to 1,370 meters (1,800 to 4,500 feet) elevation; Santa Ana Mountains in Riverside and Orange Counties. Also reported from San Diego County and Baja California.	Blooms April through July (perennial herb)
Limnanthes gracilis ssp. *parishii* **Parish's meadowfoam**	US: – CA: SE/1B MSHCP: C	Seasonally wet meadows and edges of vernal pools and intermittent streams; 550 to 2,000 meters (1,800 to 6,600 feet) elevation. Known from Peninsular Ranges in Riverside and San Diego Counties.	April through June
Myosurus minimus ssp. *apus* **Little mousetail**	US: – CA: SP CNPS: 3 MSHCP: S	Alkaline areas in vernal pools at 20 to 640 meters (70 to 2,100 feet) elevation. Known only from the Central Valley of California and the coastal and inland areas of Southern California. Alkaline soils in vernal pools and vernal plains. The MSHCP account for this species states that "little mousetail is found in areas that have semiregular inundation."	Blooms March through June (annual herb)
Navarretia fossalis **Spreading navarretia**	US: FT CA: SP CNPS: 1B MSHCP: S	In vernal pools, playas, shallow freshwater marshes and similar sites at 30 to 1,310 meters (100 to 4,300 feet) elevation. In California, known only from Los Angeles, San Luis Obispo, Riverside, and San Diego Counties. Also occurs in Mexico. Alkaline soils and southern basaltic claypan in vernal pools. The MSHCP account for this species states that, in Riverside County, it "is found in southern basaltic claypan vernal pools at the Santa Rosa Plateau, and alkaline vernal pools as at Skunk Hollow and at Salt Creek west of Hemet."	Blooms April through June (annual herb)

Table 5.10-2 [continued]
Species of Importance in the City and Sphere of Influence
(Western Riverside County MSHCP)

Species	Status	Habitat and Description	Activity Period
Navarretia prostrata **Prostrate navarretia**	US: – CA: 1B MSHCP: S	Vernal pools, usually alkaline, from 15 to 700 meters (50 to 2,300 feet) elevation. Known only from Alameda, Los Angeles, Merced, Monterey, Orange, Riverside, San Benito, San Diego San Luis Obispo, and possibly San Bernardino Counties.	Blooms April through July (annual herb)
Orcuttia californica **California Orcutt grass**	US: FE CA: SE CNPS: 1B MSHCP: S	Vernal pools from 15 to 660 meters (50 to 2,200 feet) elevation. In California, known from Los Angeles, Ventura, Riverside, and San Diego Counties. Also occurs in Mexico.	Blooms April through August (annual grass)
Phacelia stellaris **Brand's phacelia**	US: – CA: 1B MSHCP: S	Sandy openings, sandy benches, dunes, sandy washes or river floodplains in coastal sage scrub at 5 to 400 meters (20 to 1,300 feet) elevation. In western Riverside County, this species appears to be restricted to sandy washes and benches in alluvial floodplains. In California, known only from Los Angeles (believed extirpated), Riverside and San Diego Counties.	Blooms March through June (annual herb)
Quercus engelmannii **Engelmann oak**	US: – CA: 4 MSHCP: C	Chaparral, woodland, and grassland, from 120 to 1,300 meters (400 to 4,300 feet) elevation. Known from Los Angeles, Orange, Riverside, and San Diego Counties and from northern Baja California.	Year-round
Satureja chandleri **San Miguel savory**	US: – CA: 1B MSHCP: S	Rocky areas in chaparral or oak woodland or at the margins these communities in coastal sage scrub or grassland, at 110 to 1,210 meters (400 to 4,000 feet) elevation. Prefers moist rocky canyons with trees or large shrubs. Known only from Orange, Riverside, and San Diego Counties, and Baja California, Mexico.	Blooms March through May (perennial herb)
Trichocoronis wrightii var. *wrightii* **Wright's trichocoronis**	US: – CA: SP CNPS: 2 MSHCP: S	Alkali meadows, river beds, vernal pools, and lakes at 5 to 435 meters (20 to 1,430 feet) elevation. In California, known from the Central Valley and Riverside County. Also occurs in Texas and Baja California. Alkali soils in alkali playa, alkali annual grassland, and alkali vernal pools. The MSHCP account for this species states that "Wright's trichocoronis is restricted to highly alkaline, silty-clay soils in association with Traver, Domino, and Willows soils..."	Blooms May through September (annual or perennial herb)
Invertebrates			
Branchinecta lynchi **Vernal pool fairy shrimp**	US: FT CA: SA MSHCP: S	Vernal pools and swales in grassland areas. Known from the Central Valley, the central coast and south coast mountains as far south as Ventura County, and from the Santa Rosa Plateau, Skunk Hollow, and the Stowe Road vernal pool near Salt Creek just west of Hemet in Riverside County.	Seasonally following rains; typically January through April

Table 5.10-2 [continued]
Species of Importance in the City and Sphere of Influence
(Western Riverside County MSHCP)

Species	Status	Habitat and Description	Activity Period
Euphydryas editha quino **Quino checkerspot butterfly**	US: FE CA: SA MSHCP: C	Meadows or openings within coastal sage scrub or chaparral below about 5,000 feet where food plants (*Plantago erecta* and/or *Orthocarpus purpurascens*) are present. Historically known from Santa Monica Mountains to northwest Baja California; currently known only from southwestern Riverside County, southern San Diego County, and northern Baja California.	January through late April
Linderiella santarosae **Santa Rosa Plateau fairy shrimp**	US: – CA: SA MSHCP: S	Southern basalt flow vernal pools with cool clear to milky waters that are moderately predictable and remain filled for extended periods of time. Known only from the Santa Rosa Plateau of western Riverside County.	Seasonally following rains; typically January through April
Streptocephalus woottoni **Riverside fairy shrimp**	US: FE CA: SA MSHCP: S	Warm-water vernal pools (i.e., large, deep pools that retain water into the warm season) with low to moderate dissolved solids, in annual grassland areas interspersed through chaparral or coastal sage scrub vegetation. Suitable habitat includes some artificially created or enhanced pools, such as some stock ponds, that have vernal pool like hydrology and vegetation. Known from areas within about 50 miles of the coast from Ventura County south to San Diego County and Baja California.	Seasonally following rains; typically January through April
Fish			
Gila orcuttii **Arroyo chub**	US: – CA: CSC MSHCP: C	Perennial streams or intermittent streams with permanent pools; slow water sections of streams with mud or sand substrates; spawning occurs in pools. Native to Los Angeles, San Gabriel, San Luis Rey, Santa Ana, and Santa Margarita River systems; introduced in Santa Ynez, Santa Maria, Cuyama, and Mojave River systems and smaller coastal streams.	Year-round
Amphibians			
Rana draytonii **California red-legged frog**	US: FT CA: CSC MSHCP: S	Streams with slow-moving water and deep pools; dense, shrubby riparian vegetation at pool edges. Foothills surrounding the Sacramento Valley and coastal streams from Marin County to northwestern Baja California; Believed to be extirpated between Los Angeles County and the Mexican border. Below about 1,000 feet elevation.	December through April
Taricha torosa torosa **Coast Range newt**	US: – CA: CSC MSHCP: C	Breeds in ponds, reservoirs, and slow-moving streams; uses nearby upland areas including grassland, chaparral, and woodland; coastal drainages from Mendocino County south to San Diego County, with populations from San Luis Obispo County south designated as sensitive.	October through May

Table 5.10-2 [continued]
Species of Importance in the City and Sphere of Influence
(Western Riverside County MSHCP)

Species	Status	Habitat and Description	Activity Period
Reptiles			
Actinemys marmorata (pallida) **Western pond turtle**	US: – CA: CSC MSHCP: C	Inhabits permanent or nearly permanent water below 1,830 meters (6,000 feet) from central California, west of the Sierra-Cascade crest south to north-western Baja California. Absent from desert regions, except in the Mojave Desert along the Mojave River and its tributaries. Requires basking sites such as partially submerged logs, rocks, or open mud banks.	Year-round with reduced activity November through March
Birds			
Accipiter cooperii (nesting) **Cooper's hawk**	US: – CA: SA MSHCP: C	Forages in a wide range of habitats, but primarily in forests and woodlands. These include natural areas as well as human-created habitats such as plantations and ornamental trees in urban landscapes. Usually nests in tall trees (20–60 feet) in extensive forested areas (generally woodlots of 4–8 hectares with canopy closure of greater than 60%). Occasionally nests in isolated trees in more open areas.	Year-round
Aimophila ruficeps canescens **Southern California rufous-crowned sparrow**	US: – CA: SA MSHCP: C	Steep, rocky coastal sage scrub and open chaparral habitats, particularly scrubby areas mixed with grasslands. From Santa Barbara County to northwestern Baja California.	Year-round, diurnal activity
Ammodramus savannarum (nesting) **Grasshopper sparrow**	US: – CA: CSC MSHCP: P	Grasslands, agricultural fields, prairie, old fields, and open savanna. Uncommon and very local summer resident on grassy slopes and mesas west of the deserts. Only rarely in migration and in winter. Coastal Southern California.	Coastal: Year-round; only casually in migration elsewhere
Amphispiza belli belli **Bell's sage sparrow**	US: – CA: CSC MSHCP: C	Occupies chaparral and coastal sage scrub from west central California to northwestern Baja California.	Year-round, diurnal activity
Aquila chrysaetos (nesting) **Golden eagle**	US: – CA: CSC/CFP MSHCP: C	Generally open country of the Temperate Zone worldwide. Nesting primarily in rugged mountainous country. Uncommon resident in Southern California.	Year-round diurnal

Table 5.10-2 [continued]
Species of Importance in the City and Sphere of Influence
(Western Riverside County MSHCP)

Species	Status	Habitat and Description	Activity Period
Athene cunicularia (burrow sites) **Burrowing owl**	US: – CA: CSC MSHCP: S	Open country in much of North and South America. Usually occupies ground squirrel burrows in open, dry grasslands, agricultural and range lands, railroad rights-of-way, and margins of highways, golf courses, and airports. Often utilizes man-made structures, such as earthen berms, cement culverts, cement, asphalt, rock, or wood debris piles. This species avoids thick, tall vegetation, brush, and trees, but may occur in areas where brush or tree cover is less than 30 percent.	Year-round
Buteo swainsoni (nesting) **Swainson's hawk**	US: – CA: ST MSHCP: C	Open desert, grassland, or cropland containing scattered, large trees or small groves. Breeds in stands with few trees in juniper-sage flats, riparian areas, and in oak savannah in the Central Valley. Forages in adjacent grasslands or suitable grain or alfalfa fields, or livestock pastures. Breeds and nests in western North America; winters in South America. Uncommon breeding resident and migrant in the Central Valley, Klamath Basin, Northeastern Plateau, Lassen Co., and Mojave Desert. Very limited breeding reported from Lanfair Valley, Owens Valley, Fish Lake Valley, and Antelope Valley. In southern California, now mostly limited to spring and fall transient. Formerly abundant in California with wider breeding range.	Spring and fall (in migration)
Cathartes aura (breeding) **Turkey vulture**	Not SA MSHCP: C	Roost communally. Nest on the ground or cliffs, caves or dead trees.	Year-round or Summer
Dendroica petechia brewsteri (nesting) **California yellow warbler**	US: – CA: CSC MSHCP: C	Riparian woodland while nesting in the western U.S. and northwestern Baja California; more widespread in brushy areas and woodlands during migration and winter, when occurring from western Mexico to northern South America. Migrants belonging to other subspecies are widespread and common.	Summer, winter, or year-round, depending on locale
Elanus leucurus (nesting) **White-tailed kite**	US: – CA: CFP MSHCP: C	Typically nests in riparian trees such as oaks, willows, and cottonwoods at low elevations. Forages in open country. Found in South America and in southern areas and along the western coast of North America.	Year-round
Empidonax traillii extimus **Southwestern willow flycatcher**	US: FE CA: SE MSHCP: S	Rare and local breeder in extensive riparian areas of dense willows or (rarely) tamarisk, usually with standing water, in the southwestern U.S. and northwestern Mexico. Winters in Central and South America.	May through September

Table 5.10-2 [continued]
Species of Importance in the City and Sphere of Influence
(Western Riverside County MSHCP)

Species	Status	Habitat and Description	Activity Period
Eremophila alpestris actia **California horned lark**	US: – CA: SA MSHCP: C	Open grasslands and fields, agricultural area, open montane grasslands. This subspecies is resident from northern Baja California northward throughout non-desert areas to Humboldt County, including the San Joaquin Valley and the western foothills of the Sierra Nevada (north to Calaveras County). Prefers bare ground such as plowed or fall-planted fields for nesting, but may also nest in marshy soil. During the breeding season, this is the only subspecies of horned lark in non-desert southern California; however, from September through April or early May, other subspecies visit the area.	Year-round interior (inland areas)
Lanius ludovicianus (nesting) **Loggerhead shrike**	US: – CA: CSC MSHCP: C	Prefers open habitats with scattered shrubs, trees, posts, fences, utility lines, or other perches. Inhabits open country with short vegetation, pastures, old orchards, cemeteries, golf courses, riparian areas, and open woodlands. Highest density occurs in open-canopied valley foothill hardwood, valley foothill hardwood-conifer, valley foothill riparian, pinyon-juniper, juniper, desert riparian, and Joshua tree habitats. Occurs only rarely in heavily urbanized areas, but often found in open cropland. Found in open country in much of North America.	Year-round
Oreortyx pictus **Mountain quail**	Not SA MSHCP: C		
Polioptila californica californica **Coastal California gnatcatcher**	US: FT CA: CSC MSHCP: C	Inhabits coastal sage scrub in low-lying foothills and valleys in cismontane southwestern California and Baja California.	Year-round
Tachycineta bicolor **Tree swallow**	US: – CA: – MSHCP: C	Riparian scrub, woodland and forest, water, oak woodlands and forest. Nests in older trees and snags.	Year-round
Vireo bellii pusillus **Least Bell's vireo**	US: FE CA: SE MSHCP: S	Riparian forests and willow thickets. The most critical structural component of least Bell's vireo habitat in California is a dense shrub layer 2 to 10 feet (0.6–3.0 meter) above ground. Nests from central California to northern Baja California. Winters in southern Baja California.	April through September

Table 5.10-2 [continued]
Species of Importance in the City and Sphere of Influence
(Western Riverside County MSHCP)

Species	Status	Habitat and Description	Activity Period
Mammals			
Dipodomys stephensi **Stephens' kangaroo rat**	US: FE CA: ST MSHCP: C	Found in plant communities transitional between grassland and coastal sage scrub, with perennial vegetation cover of less than 50%. Most commonly associated with *Artemesia tridentata, Eriogonum fasciculatum,* and *Erodium.* Requires well-drained soils with compaction characteristics suitable for burrow construction. Not found in soils that are highly rocky, less than 20 inches deep, or heavily alkaline or clay, or in areas exceeding 25% slope. Occurs only in western Riverside County, northern San Diego County, and extreme southern San Bernardino County, below 915 meters (3,000 feet) elevation. In northwestern Riverside County, known only from east of Interstate 15. Reaches its northwest limit in south Norco, southeast Riverside, and in the Reche Canyon area of Riverside and extreme southern San Bernardino Counties.	Year-round
Lynx rufus **Bobcat**	US: – CA: – MSHCP: C	Chaparral, coastal sage scrub, desert scrub, montane coniferous forest, riparian scrub, woodland and forest, Riversidean alluvial fan sage scrub	Year-round
Perognathus longimembris brevinasus **Los Angeles pocket mouse**	US: – CA: CSC MSHCP: S	Prefers sandy soil for burrowing, but has been found on gravel washes and stony soils. Found in coastal sage scrub in Los Angeles, Riverside, and San Bernardino Counties.	Nocturnal. Active late spring to early fall.
Puma concolor **Mountain lion**	Not SA except Yuma Mtn lion MSHCP: C		

LEGEND

US: Federal Classifications

FE Taxa listed as Endangered.
FT Taxa listed as Threatened.

CA: State Classifications

SE Taxa State-listed as Endangered.
ST Taxa State-listed as Threatened.
CSC California Species of Special Concern. Refers to animals with vulnerable or seriously declining populations.
SA Special Animal. Refers to any other animal monitored by the Natural Diversity Data Base, regardless of its legal or protection status.
SP Special Plant. Refers to any other plant monitored by the Natural Diversity Data Base, regardless of its legal or protection status.

CNPS: California Native Plant Society Classifications

1B Plants considered by CNPS to be rare, threatened, or endangered in California and elsewhere.
2 Plants considered by CNPS to be rare, threatened, or endangered in California, but more common elsewhere.
3 Plants suggested by CNPS for consideration as endangered but about which more information is needed.

Table 5.10-2 [continued]
Species of Importance in the City and Sphere of Influence
(Western Riverside County MSHCP)

Species	Status	Habitat and Description	Activity Period
MSHCP: Western Riverside County MSHCP Status			
S	Species is adequately conserved under the MSHCP, but surveys are required within indicated habitats and/or survey areas.		
C	Species is adequately conserved under the MSHCP.		
P	Species is covered but not considered adequately conserved pending completion of MSHCP specified requirements.		

SPECIAL STATUS PLANTS, WILDLIFE, AND HABITATS

Special status species include those that are listed as rare, threatened, or endangered by either the CDFG or the USFWS; species that are candidates for either Federal or State listing; species designated as "fully protected" or "Species of Special Concern" by CDFG; and other species that are tracked by the California Natural Diversity Data Base, but that do not fall into any of the other categories mentioned above. The special status species discussed below are listed as Federal or State Endangered or Threatened or California Species of Special Concern. A total of 27 special status species (plants and wildlife) are known or expected to occur in the City/SOI.

Special Status Plant Species

The seven (7) special status plant species (i.e., Federal or State Endangered or Threatened or California Species of Special Concern) that are known or expected to occur within the City/SOI are outlined below. Their habitat and distribution are discussed in *Table 5.10-2.*

- Munz's onion (*Allium munzii*);
- San Diego ambrosia (*Ambrosia pumila*);
- Thread-leaved brodiaea (*Brodiaea filifolia*);
- San Diego button-celery (*Eryngium aristulatum var. parishii*);
- Parish's meadowfoam (*Limnanthes gracilis ssp. Parishii*);
- Spreading navarretia (*Navarretia fossalis*); and
- California Orcutt grass (*Orcuttia californica*).

Special Status Wildlife Species

The 20 special status wildlife species (i.e., Federal or State Endangered or Threatened or California Species of Special Concern) that are known or expected to occur within the City/SOI are outlined below. Their habitat and distribution are discussed in *Table 5.10-2.*

- Vernal Pool Fairy Shrimp (*Branchinecta lynchi*);
- Quino Checkerspot Butterfly (*Euphydryas editha quino*);
- Santa Rosa Plateau Fairy Shrimp (*Linderiella santarosae*);
- Riverside Fairy Shrimp (*Streptocephalus woottoni*);
- Arroyo Chub (*Gila orcuttii*);
- California Red-legged Frog (*Rana draytonii*);
- Coast Range Newt (*Taricha torosa torosa*);
- Western Pond Turtle (*Actinemys marmorata (pallida)*);
- Grasshopper Sparrow (*Ammodramus savannarum*);
- Bell's Sage Sparrow (*Amphispiza belli belli*);
- Golden Eagle (*Aquila chrysaetos*);
- Burrowing Owl (*Athene cunicularia*);
- Swainson's Hawk (*Buteo swainsoni*);
- California Yellow Warbler (*Dendroica petechia brewsteri*);
- Southwestern Willow Flycatcher (*Empidonax traillii extimus*);
- Loggerhead Shrike (*Lanius ludovicianus*);
- Coastal California Gnatcatcher (*Polioptila californica californica*);
- Least Bell's Vireo (*Vireo bellii pusillus*);
- Stephens' Kangaroo Rat (*Dipodomys stephensi*); and
- Los Angeles Pocket Mouse (*Perognathus longimembris brevinasus*).

Riparian and Wetland Habitats

The City/SOI lie within the inland portion of the Santa Margarita River Basin. Murrieta Creek and Temecula Creek are the main tributaries of the Santa Margarita River, and Warm Springs Creek is a tributary to Murrieta Creek. Both Murrieta Creek and Warm Springs Creek flow through the City/SOI.

Murrieta Creek flows southeasterly through the Murrieta Valley and is generally bounded by Warm Springs Creek to the east. Murrieta Creek occurs as a natural watercourse that runs from the northern City limit to the southern City limit near Cherry Street. Both creeks have highly variable flows and join Temecula Creek to the south of the City to form the Santa Margarita River, which ultimately drains into the Pacific Ocean near the southern boundary of Camp Pendleton. Both creeks generally remain in a semi-natural state with areas of significant native vegetation occurring along portions of each. Other minor tributaries and intermittent stream courses also occur throughout the City/SOI. As indicated in *Table 5.10-1*, lacustrine, riverine, and riparian habitats are present in the City/SOI, among others.

Grasslands within the City/SOI have historically supported vernal pools and seasonal wetlands; however, as development has occurred over the years, much of this habitat has been lost.

Vernal pools are ephemeral wetlands that generally form within shallow depressions where substrate near the surface restricts the percolation of water. Standing rainwater within these depressions often occurs during the fall and winter seasons, which can remain inundated until spring or early summer. These depressions may fill and empty several times during the rainy season, depending on the amount and frequency of precipitation. Vernal pools often support a flowering community, dominated by characteristic wetland plants.

In addition to riparian areas, isolated seasonal wetlands generally occur in topographic depressions within grasslands where soils are sufficiently impermeable to pond water during the rainy season; however, seasonal wetlands differ from vernal pools in that they may not be inundated for as long as vernal pools and generally contain a greater abundance of facultative and grassy species, and few, if any vernal pool endemic species. The final determination of the type of wetland is often ultimately verified by the ACOE. The extent to which special-status plant and animal species utilize these habitats varies; however, any species present in vernal pools may also occupy seasonal wetlands. Both vernal pools and seasonal wetlands offer habitat for a variety of plant and animal species listed as threatened or endangered, or that have other special status that require some level of protection. Vernal pool crustaceans, such as vernal pool fairy shrimp and vernal pool tadpole shrimp, along with a variety of plant species, are characteristically present in vernal pools.

Critical Habitat

The term “critical habitat” applies to areas designated by the USFWS to be of biological importance to Federally-listed species. Critical habitat is represented by a specific geographic area that is considered to be essential for the conservation of a threatened or endangered species and, as such, may require special management and long-term protection. Areas that are not presently occupied by a Federally-listed species may be considered as critical habitat as such habitat may be necessary for the recovery of the species. An area is designated as “critical habitat” following publication of a proposed Federal regulation in the Federal Register and receipt and consideration of public comments on the proposal. The final boundaries of the critical habitat area are published in the Federal Register.

Federal agencies are required to consult with the USFWS on actions they carry out, fund, or authorize in order to ensure that such actions will not result in the destruction or adverse modification of established critical habitat. As such, areas designated as critical habitat are provided protection for the long-term conservation of the species; however, a critical habitat designation has no effect on actions where a Federal agency is not involved (i.e. federal funding or permitting).

There is no designated or proposed critical habitat within the City or the SOI.

5.10.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, biological resources impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Services.

- Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Services.

- Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means.

- Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites.

- Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance.

- Conflict with provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan.

CEQA Guidelines Section 15065(a), *Mandatory Findings of Significance*, states that a project may have a significant effect on the environment if it would have "... the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of an endangered, rare or threatened species ..."

An evaluation of whether an impact on biological resources would be substantial must consider both the resource itself and how that resource fits into a regional or local context. Substantial impacts would be those that would substantially diminish, or result in the loss of, an important biological resource or those that would obviously conflict with local, State, or Federal resource conservation plans, goals, or regulations. Impacts are sometimes locally adverse but not significant because, although they would result in an adverse alteration of existing conditions,

they would not substantially diminish or result in the permanent loss of an important resource on a population- or region-wide basis.

CEQA Guidelines Section 15380, *Endangered, Rare or Threatened Species*, states that a lead agency can consider a non-listed species to be Rare, Threatened, or Endangered for the purposes of CEQA, if the species can be shown to meet the criteria in the definition of Rare, Threatened, or Endangered. For the purposes of this discussion, the current scientific knowledge on the population size and distribution for each special status species was considered according to the definitions for Rare, Threatened, and Endangered listed in CEQA Guidelines Section 15380.

Based on these standards, the effects of the proposed project have been categorized as either a "less than significant impact" or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.10.4 PROJECT IMPACTS AND MITIGATION MEASURES

SPECIAL STATUS SPECIES

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD HAVE AN ADVERSE EFFECT, EITHER DIRECTLY OR THROUGH HABITAT MODIFICATIONS, ON ANY SPECIES IDENTIFIED AS A CANDIDATE, SENSITIVE, OR SPECIAL STATUS SPECIES.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Of the 54 Planning Species known or expected to occur within the City/SOI, 27 are Special Status Species (Listed) (i.e., Federal or State Endangered or Threatened or California Species of Special Concern) plant and wildlife species; refer to Table 5.10-2. More specifically, the following seven special status plant species are known or expected to occur within the City/SOI:

- Munz's onion (*Allium munzii*);
- San Diego ambrosia (*Ambrosia pumila*);
- Thread-leaved brodiaea (*Brodiaea filifolia*);
- San Diego button-celery (*Eryngium aristulatum var. parishii*);
- Parish's meadowfoam (*Limnanthes gracilis ssp. Parishii*);
- Spreading navarretia (*Navarretia fossalis*); and
- California Orcutt grass (*Orcuttia californica*).

Additionally, the following 20 special status wildlife species are known or expected to occur within the City/SOI:

- Vernal Pool Fairy Shrimp (*Branchinecta lynchi*);
- Quino Checkerspot Butterfly (*Euphydryas editha quino*);
- Santa Rosa Plateau Fairy Shrimp (*Linderiella santarosae*);
- Riverside Fairy Shrimp (*Streptocephalus woottoni*);
- Arroyo Chub (*Gila orcuttii*);
- California Red-legged Frog (*Rana draytonii*);
- Coast Range Newt (*Taricha torosa torosa*);
- Western Pond Turtle (*Actinemys marmorata (pallida)*);
- Grasshopper Sparrow (*Ammodramus savannarum*);
- Bell's Sage Sparrow (*Amphispiza belli belli*);
- Golden Eagle (*Aquila chrysaetos*);
- Burrowing Owl (*Athene cunicularia*);
- Swainson's Hawk (*Buteo swainsoni*);
- California Yellow Warbler (*Dendroica petechia brewsteri*);
- Southwestern Willow Flycatcher (*Empidonax traillii extimus*);
- Loggerhead Shrike (*Lanius ludovicianus*);
- Coastal California Gnatcatcher (*Polioptila californica californica*);
- Least Bell's Vireo (*Vireo bellii pusillus*);
- Stephens' Kangaroo Rat (*Dipodomys stephensi*); and
- Los Angeles Pocket Mouse (*Perognathus longimembris brevinasus*).

Coastal scrub and chaparral habitat areas are important for the Quino checkerspot butterfly and California gnatcatcher. Annual grassland and coastal scrub habitat is important to Stephens' kangaroo rat. Riparian, lacustrine, and emergent wetland habitats are important to listed least Bell's vireo and southwestern willow flycatcher.

Approximately 36 percent of the City (approximately 7,750 acres) is currently vacant. These vacant undeveloped lands may contain native habitat areas where special status plant or wildlife species are known or expected to occur. As discussed in detail in Section 3.0, Project Description, implementation of the proposed General Plan 2035 would result in the development of approximately 10,734 additional dwelling units (DU) and approximately 36.2 million additional square feet (SF) of non-residential uses. This future development is anticipated to occur on both vacant and underutilized land throughout the City. Future development on naturally vegetated vacant land within the City/SOI, both within and outside of the MSHCP Reserve Area, could significantly impact native habitat areas where sensitive plant and wildlife species exist. Additionally, future development may result in a "take" of one of the special status species. The most notable impact would involve the removal of sensitive vegetation communities and sensitive species for building pad development, and building and roadway construction.

Covered Species are those within the MSHCP Area that will be conserved by the MSHCP when it is implemented. All 54 Planning Species (Listed and Non-Listed) known or expected to occur in the City/SOI are adequately conserved under the MSHCP, as follows:

27 Special Status (Listed) Species

- 13 special status species listed as Federal or State Endangered or Threatened or California Species of Special Concern are adequately conserved under the MSHCP;
- 13 special status species listed as Federal or State Endangered or Threatened or California Species of Special Concern are adequately conserved under the MSHCP, but surveys are required within indicated habitats/survey areas; and
- 1 special status species (grasshopper sparrow (Ammodramus savannarum)) listed as California Species of Special Concern is covered but not considered adequately conserved pending completion of the MSHCP specified requirements.

27 Special Status (Non-Listed) Species

- 12 non-listed species are adequately conserved under the MSHCP; and
- 15 non-listed species are adequately conserved under the MSHCP, but surveys are required within indicated habitats/survey areas.

The MSHCP incorporates features that would minimize impacts to special status (Listed) Covered Species, as well as Non-Listed Covered Species, within the City/SOI, to the extent feasible. The direct and indirect impacts of Covered Activities on Non-Listed Covered Species would be the same as for Listed Covered Species. The MSHCP assembles a Reserve Area that incorporates substantial acreages of suitable habitat and known locations in a configuration that provides live-in and linkage habitat for a number of Listed and Non-Listed Covered Species. Portions of the MSHCP Reserve Area extend into the City/SOI, as illustrated on *Exhibit 5.10-2*. The Conceptual Conservation Scenario for the MSHCP Reserve Area is based on existing Conserved Lands, proposed Core Areas (undeveloped lands), and proposed Linkages (between Core Areas). *Exhibit 5.10-1* illustrates the Proposed Linkages and Cores, which are the focus of the Conservation Goals for the City/SOI. These Proposed Linkages and Cores include existing and proposed Conserved Lands that would be permanently protected and managed in their natural state for the benefit of the Covered Species. The target conservation range for lands within Subunits SW1, SW5, SW6, and SCM1 located within City limits is between 1,580 and 3,200 acres.

Additionally, various Listed and Non-Listed Covered Species occurring outside of the MSHCP Conservation Area would be protected by certain MSHCP policies. Namely, MSHCP Section 6.1.3 identifies the narrow endemic plant species for the MSHCP and the procedures necessary to ensure that the biological functions and values of these areas throughout the entire MSHCP Plan Area are maintained, including outside of the Conservation Area. MSHCP Section 6.3.2 requires that additional surveys be conducted for certain species, pursuant to specified

procedures. Species detected during surveys would be conserved in accordance with the respective applicable policy.

The City of Murrieta approved the MSHCP and is a local Permittee under the MSHCP. The USFWS and CDFG issued take permits for the MSHCP. As such, the City has the authority to meet the Federal and State endangered species and conservation planning obligations for its jurisdiction. Future development would undergo environmental and design review on a project-by-project basis, in order to determine potential impacts to candidate, sensitive, and special status species, and verify compliance with the City's Western Riverside County MSHCP Implementation Policy, which establishes procedures and requirements for implementation of the Western Riverside County MSHCP. Through MSHCP Implementation Policy compliance review, the City would implement the requirements for private and public project contributions to the MSHCP Conservation Area, as set forth in the MSHCP, through the HANS process or by conducting a project-specific review that determines whether all or a portion of the real property for the project is located within the boundaries of the Criteria Area, then determining the applicable design criteria (pursuant to MSHCP Section 3.2) and imposing conditions of approval. Additionally, the City would implement the requirements pertaining to the following issues, in accordance with MSHCP Implementation Policy:

- Protection of riparian/riverine areas and vernal pools as set forth in MSHCP Section 6.1.2;
- Protection of narrow endemic plant species as set forth in MSHCP Section 6.1.3;
- Conditions of Approval for the urban/wildlands interface guidelines as set forth in MSHCP Section 6.1.4;
- Conditions of Approval for surveys as set forth in MSHCP Section 6.3.2; and
- City transfer of property.

Compliance with Murrieta's MSHCP Implementation Policy, which implements the Western Riverside County MSHCP, would ensure that an early determination is made of what properties are needed for the MSHCP Conservation Area and that owners of land outside of the MSHCP Conservation Area receive Take Authorization for Covered Species Adequately Conserved through the Permits issued to the City pursuant to the MSHCP. Development of property outside of the MSHCP Conservation Area (both within and outside of the Criteria Area) would receive Take Authorization for Covered Species Adequately Conserved provided payment of a mitigation fee is made (or any credit for land conveyed is obtained), as required by Murrieta's Local Development Mitigation Fee Ordinance, and compliance with MSHCP Section 6.0 (MSHCP Implementation Structure) occurs, as required by Murrieta's MSHCP Implementation Policy. Compliance with Murrieta's Local Development Mitigation Fee Ordinance (payment of the mitigation fee) and MSHCP Implementation Policy would provide full mitigation under CEQA, NEPA NEPA, FESA, and CESA for impacts to the species and habitats covered by the MSHCP pursuant to agreements with the USFWS and CDFG, and/or any other appropriate participating regulatory agencies and as set forth in the MSHCP's IA.

Moreover, in order to further minimize potential impacts to special status species and habitats, the proposed General Plan 2035 designates a substantial amount of open space, which would be preserved. Approximately 3,221 acres are designated Parks and Open Space, representing approximately 18 percent of the City; refer to *Table 3-4*, *General Plan 2035 Buildout*. The Parks and Open Space Land Use Designation is intended to provide for the preservation of natural open spaces and maintain natural resources, among other objectives. The Parks and Open Space designation includes lands that would remain undeveloped within the City's Planning Area. The Parks and Open Space designation is also consistent with the MDC OS (Open Space) District, which is applied to appropriate areas, in order to ensure the conservation and protection of natural resources, including open space areas.

Additionally, the proposed General Plan 2035 Land Use, Conservation, and Recreation and Open Space Elements, have established goals and policies that address potential impacts to candidate, sensitive, or special status species and their habitats. Namely, Land Use Element Goal LU-25 requires collaboration with Federal, State, County, and other regional agencies and authorities, such as the Western Riverside County MSHCP, to ensure compliance with existing and future legislation that affects the City of Murrieta. To this end, the proposed General Plan 2035 has established Policy LU-25.1, which requires the City to provide a strong role in the development of regional planning efforts by ensuring local land use issues are adequately addressed at the regional level. It is the City's goal (Conservation Element Goal CSV-8) to conserve biological resources through habitat preservation and restoration, in coordination with other regional efforts and in compliance with state and federal mandates. To this end, the proposed General Plan 2035 has established Policy CSV-8.1, in order to continue conservation of habitat areas and wildlife corridors under the MSHCP. Policy CSV-8.2 requires compliance with applicable policies and regulations of regional, State, and Federal agencies, in order to achieve common goals for preservation of habitat and the protection of threatened and endangered species. Policy CSV-8.4 requires that development projects be reviewed, in order to determine their impact on biological resources, and compliance with State and Federal regulations. Additionally, it is the City's goal (Recreation and Open Space Element Goal ROS-7) to plan open space areas, in order to protect, conserve, and utilize resources of unique character and value for the community. To this end, the proposed General Plan 2035 has established Policy ROS-7.1, which requires preservation and enhancement of open space resources in Murrieta. Additionally, Policy ROS-7.2 requires that open space be designated, in order to preserve habitat and scenic views of natural areas. All future development would be subject to compliance with the policies outlined below, in furtherance of these City goals.

In general, future development anticipated by the proposed General Plan 2035 would be subject to compliance with Murrieta's MSHCP Implementation Policy, the MSHCP, and the proposed General Plan 2035 goals and policies. Additionally, due to the conceptual nature of the future development, proposals would require individual assessments of potential project-specific impacts to biological resources, including impacts to candidate, sensitive, or special status species and their habitats. If necessary, project-specific mitigation would be recommended to reduce potential impacts to a less than significant level. Therefore, future development associated with implementation of the proposed General Plan 2035 is not anticipated to have a

substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species. A less than significant impact would occur in this regard.

Goals and Policies in the Proposed General Plan 2035:

LAND USE ELEMENT

Goal LU-22 Natural and visual resources are valued resources to maintain the rural character of the Los Alamos Hills.

Policies

LU-22.3 Encourage development that minimizes impacts to existing water courses, mature trees, and natural features as much as possible. In those cases that these areas/features are impacted, the final design should provide adequate mitigation on-site and/or in nearby areas.

LU-22.4 Encourage healthy and structurally sound, existing groves of eucalyptus and other mature non-native trees located west of Warm Springs Creek to be considered a visual asset to the area, and should be conserved and maintained to the maximum degree practicable.

Goal LU-25 Collaboration with Federal, State, County, and other regional agencies and authorities to ensure compliance with existing and future legislation that affects the City of Murrieta.

Policies

LU-25.1 Provide a strong role in the development of regional planning efforts by ensuring local land use issues are adequately addressed at the regional level.

CONSERVATION ELEMENT

Goal CSV-3 A community that participates in a multi-jurisdictional approach to protecting, maintaining, and improving water quality and the overall health of the watershed.

Policies

CSV-3.5 Seek opportunities to restore natural watershed function as an added benefit while mitigating environmental impacts.

Goal CSV-4 Restoration of the natural function and aesthetic value of creeks, while providing flood control measures and opportunities for recreation.

Policies

CSV-4.1 Prioritize creek preservation, restoration and/or mitigation banking along creeks as mitigation for environmental impacts.

CSV-4.3 Preserve Warm Springs Creek and Cole Creek as a wildlife corridor, while accommodating flood control measures and passive recreation.

CSV-4.4 Retain and restore natural drainage courses and their function where health and safety are not jeopardized.

CSV-4.5 Support efforts for restoration, flood control, and recreation along Murrieta Creek, in coordination with regional and federal plans.

CSV-4.6 Seek funds and provide support for creek restoration, maintenance and protection through grant and mitigation programs, development entitlements, and non-profit organizations.

Goal CSV-5 Hills and ridges are protected for their environmental and aesthetic values.

Policies

CSV-5.1 Promote compliance with hillside development standards and guidelines to maintain the natural character and the environmental and aesthetic values of sloped areas.

Goal CSV-8 Conservation of biological resources through habitat preservation and restoration, in coordination with other regional efforts and in compliance with state and federal mandates.

Policies

CSV-8.1 Facilitate the conservation of habitat areas and wildlife corridors under the Western Riverside Multiple Species Habitat Conservation Plan.

CSV-8.2 Comply with applicable policies and regulations of regional, State, and Federal agencies to achieve common goals for preservation of habitat and the protection of threatened and endangered species.

CSV-8.3 Work with public and private land owners to conserve biological resources.

CSV-8.4 Review development projects to determine their impact on biological resources, and compliance with state and federal regulations.

CSV-8.5 Address Western Riverside Multiple Species Habitat Conservation Plan policies to preserve jurisdictional, wetland, vernal pool and other areas whose hydrology supports habitat and species identified for conservation in the Plan.

CSV-8.6 Address Western Riverside Multiple Species Habitat Conservation Plan policies for an urban interface, to reduce the impacts from toxics, light, noise, invasive plant species and domestic predators (pets).

RECREATION AND OPEN SPACE ELEMENT

Goal ROS-7 Open space areas are planned to protect, conserve, and utilize resources of unique character and value for the community.

Policies

ROS-7.1 Preserve and enhance open space resources in Murrieta.

ROS-7.2 Designate open space to preserve habitat and scenic views of natural areas.

ROS-7.3 Seek opportunities to designate open space along waterways, while also providing for the development of trails.

ROS-7.4 When possible, link open space and parks for the movement of wildlife and people.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

SENSITIVE VEGETATION COMMUNITIES

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD HAVE AN ADVERSE EFFECT ON A SENSITIVE VEGETATION COMMUNITY, INCLUDING RIPARIAN HABITAT AND FEDERALLY PROTECTED WETLANDS.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: As indicated in *Table 5.10-1*, sensitive upland, forest, and wetland communities are known to occur throughout the City and the SOI. Sensitive upland communities include chaparral and coastal sage scrub, and forest communities include coastal oak woodland. Additionally, wetlands include fresh emergent wetland, lacustrine, chaparral, riverine/lacustrine, and valley foothill riparian. Future development on naturally vegetated vacant land within the City/SOI, both within and outside of the MSHCP Reserve Area, could significantly impact sensitive vegetation communities, including riparian habitat or federally protected wetlands.

The MSHCP incorporates features that would minimize impacts to the City/SOI's sensitive vegetation communities (i.e., riparian habitat or federally protected wetlands) within the Reserve Area. The MSHCP assembles a Reserve Area that incorporates substantial acreages of sensitive vegetation communities. Portions of the MSHCP Reserve Area extend into the City/SOI, as illustrated on *Exhibit 5.10-2*. The Proposed Linkages and Cores involve existing and proposed Conserved Lands that include sensitive vegetation communities that would be permanently protected and managed in their natural state. Additionally, the MSHCP includes adaptive management and monitoring. Impacts to sensitive vegetation communities outside of the Reserve Area are not considered significant, given the substantial presence of these communities within the MSHCP Conservation Area.

The City of Murrieta approved the MSHCP and is a local Permittee under the MSHCP. The USFWS and CDFG issued take permits for the MSHCP. As such, the City has the authority to meet the Federal and State endangered species and conservation planning obligations for its jurisdiction. Future development would undergo environmental and design review on a project-by-project basis, in order to determine potential impacts to sensitive vegetation communities, including riparian habitat or federally protected wetlands, and verify compliance with the City's Western Riverside County MSHCP Implementation Policy (which implements the MSHCP). Through Implementation Policy compliance review, the City would implement the requirements for private and public project contributions to the MSHCP Conservation Area through the HANS process or by conducting a project-specific review. Additionally, the City would implement the requirements pertaining to riparian/riverine and fairy shrimp habitat (MSHCP Section 6.1.2), which addresses mapping of riparian, riverine, vernal pools, and other potentially jurisdictional wetland areas as part of the CEQA review of applications for Covered Activities within the MSHCP Plan Area. MSHCP Section 6.1.2 calls for avoidance and minimization of impacts to wetland habitat throughout the MSHCP Area, pursuant to existing regulatory standards that call for conservation and mitigation of wetland functions and values. Compliance with Murrieta's MSHCP Implementation Policy, which implements the Western Riverside County MSHCP (including MSHCP Section 6.1.2), would reduce impacts to sensitive vegetation communities, including riparian habitats and federally protected wetlands.

Additionally, the proposed General Plan 2035 Conservation Element has established goals and policies that address potential impacts to riparian habits and wetlands. Namely, it is the City's goal (Conservation Element Goal CSV-8) to conserve biological resources through habitat preservation and restoration, in coordination with other regional efforts and in compliance with

State and Federal mandates. To this end, the proposed General Plan 2035 has established Policy CSV-8.5 to address Western Riverside County MSHCP policies to preserve jurisdictional, wetland, vernal pool, and other areas whose hydrology supports habitat and species identified for conservation in the Plan.

Overall, future development anticipated by the proposed General Plan 2035 would be subject to compliance with Murrieta's MSHCP Implementation Policy, the MSHCP, and the proposed General Plan 2035 goals and policies, in order to address potential impacts to sensitive vegetation communities, including riparian habitats and wetlands. Additionally, due to the conceptual nature of the future development, proposals would require individual assessments of potential project-specific impacts to biological resources, including impacts to sensitive vegetation communities, including, riparian habitats and federally protected wetlands. If necessary, project-specific mitigation would be recommended to reduce potential impacts to a less than significant level. Therefore, future development according to the proposed General Plan 2035 is not anticipated to have a substantial adverse effect on sensitive vegetation communities, including riparian habitat or federally protected wetlands. A less than significant impact would occur in this regard.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.10.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

WILDLIFE MOVEMENT CORRIDORS

■ IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD INTERFERE WITH AN ESTABLISHED WILDLIFE CORRIDOR.

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Additionally, future development on naturally vegetated vacant land within the City/SOI could significantly impact wildlife movement corridors. However, as The MSHCP incorporates features that would minimize impacts to wildlife corridors, within the City/SOI. The MSHCP assembles a Reserve Area that incorporates substantial acreages in a configuration that provides live-in and linkage habitat. Portions of the MSHCP Reserve Area extend into the City/SOI, as illustrated on *Exhibit 5.10-2*. The Proposed Linkages and Cores involve existing and proposed Conserved Lands that provide wildlife corridors. Conservation of the Proposed Linkages would ensure both permanent resident "live-in" habitat, as well as movement habitat (i.e., movement corridors), are provided for a particular species.

It is noted, future development may result in the removal of mature trees that provide perching or nesting habitat for migratory birds and raptors, and may result in a "take"; refer to the Special Status Species Section.

The City of Murrieta approved the MSHCP and is a local Permittee under the MSHCP. As such, the City has the authority to meet the Federal and State conservation planning obligations for its jurisdiction. Future development would undergo environmental and design review on a project-by-project basis, in order to determine potential impacts to wildlife corridors and verify compliance with the City's Western Riverside County MSHCP Implementation Policy, which implements the MSHCP. Through MSHCP Implementation Policy compliance review, the City would implement the requirements for private and public project contributions to the MSHCP Conservation Area, as set forth in the MSHCP, through the HANS process or by conducting a project-specific review.

Additionally, the proposed General Plan 2035 designates a substantial amount of open space (approximately 3,221 acres), which would be preserved, thereby facilitating the movement of wildlife species through wildlife corridors. The proposed General Plan 2035 Conservation Element has established goals and policies that address potential impacts to wildlife corridors. Namely, it is the City's goal (Conservation Element Goal CSV-4) to restore the natural function and aesthetic value of creeks, which serve as wildlife corridors. To this end, the proposed General Plan 2035 Policy CSV-4.1 requires creek preservation and restoration, and Policy CSV-4.3 requires that Warm Springs Creek and Cole Creek be preserved as wildlife corridors. It is the City's goal (Goal CSV-8) to conserve biological resources through habitat preservation and restoration, in coordination with other regional efforts and in compliance with state and federal mandates. To this end, the proposed General Plan 2035 has established Policy CSV-8.1, in order to continue conservation of habitat areas and wildlife corridors under the MSHCP. Additionally, it is the City's goal (Recreation and Open Space Element Goal ROS-7) to plan open space areas, in order to protect, conserve, and utilize resources of unique character and value for the community. To this end, the proposed General Plan 2035 has established Policy ROS-7.1, which requires preservation and enhancement of open space resources in Murrieta. Additionally, Policy ROS-7.2 requires that open space be designated, in order to preserve habitat and scenic views of natural areas. Policy ROS-7.4 requires that open space and parks be linked, when possible, for the movement of wildlife and people. All future development would be subject to compliance with the proposed General Plan 2035 policies, in furtherance of these City goals.

Future development anticipated by the proposed General Plan 2035 would be subject to compliance with Murrieta's MSHCP Implementation Policy, the MSHCP, and the proposed General Plan 2035 goals and policies. Additionally, due to the conceptual nature of the future development, proposals would require individual assessments of potential project-specific impacts to biological resources, including impacts to an established wildlife corridor. Therefore, future development according to the General Plan 2035 is not anticipated to interfere substantially with an established wildlife corridor. A less than significant impact would occur in this regard.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.10.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

LOCAL POLICY/ORDINANCE CONSISTENCY

■ IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD CONFLICT WITH A LOCAL POLICY OR ORDINANCE PROTECTING BIOLOGICAL RESOURCES.

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: The City of Murrieta has adopted Resolution Number 03-1246 (Western Riverside County MSHCP Implementation Policy) and Ordinance Number 289-03 (Local Development Mitigation Fee), which are intended to protect biological resources in the City/SOI. The Western Riverside County MSHCP Implementation Policy was adopted by the City for the purpose of establishing procedures and requirements for implementation of the Western Riverside County MSHCP. The MSHCP is a comprehensive, multi-jurisdictional habitat conservation plan focusing on the conservation of species and their associated habitats in Western Riverside County. The Local Development Mitigation Fee Ordinance establishes a mitigation fee for funding the preservation of natural ecosystems in accordance with the Western Riverside County MSHCP. Future development would undergo environmental and design review on a project-by-project basis, in order to verify compliance with the City's Western Riverside County MSHCP Implementation Policy and Local Development Mitigation Fee Ordinance. Refer to the Western Riverside County MSHCP Consistency Section below, which addresses compliance with these regulations and the Western Riverside County MSHCP.

Future development would undergo environmental and design review on a project-by-project basis, in order to ensure compliance with the M*urrieta Development Code*, including Chapter 16.42, *Tree Preservation*. All development projects would be required to recognize through project design the preservation of protected trees to the greatest extent feasible. Compliance with *MDC* Chapter 16.42 would ensure protection, preservation, and maintenance of native Oak, Sycamore, and Cottonwood trees, groves and stands of mature trees, and mature trees in general, among others. Issuance of a Tree Removal Permit would be required, prior to removal of a protected tree.

Additionally, the proposed General Plan 2035 Conservation Element has established goals and policies in furtherance of tree preservation. Namely, it is the City's goal (Conservation Element Goal CSV-9) to promote the growth of an urban forest, recognizing that plants provide natural services such as habitat. To this end, Policy CSV-9.1 requires that native trees, trees of historic or cultural significance, and mature trees, be identified and protected consistent with the Tree Preservation Ordinance. All future development would be subject to compliance with the proposed General Plan 2035 policies, in furtherance of this goal. Therefore, future development according to the proposed General Plan 2035 is not anticipated to conflict with *MDC* Chapter 16.42. A less than significant impact would occur in this regard.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above, along with the following goal and policy.

CONSERVATION ELEMENT

Goal CSV-9 A community that promotes the growth of an urban forest and water-efficient landscaping, recognizing that plants provide natural services such as habitat, storm water management, soil retention, air filtration, and cooling, and also have aesthetic and economic value.

Policies

CSV-9.1 Identify and protect native trees, trees of historic or cultural significance, and mature trees, consistent with the Tree Preservation Ordinance.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

WESTERN RIVERSIDE COUNTY MSHCP CONSISTENCY

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD CONFLICT WITH THE PROVISIONS OF THE WESTERN RIVERSIDE COUNTY MSHCP.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis:

MSHCP Implementation Structure. Portions of the MSHCP Reserve Area extend into the City/SOI; refer to Exhibit 5.10-2. The Reserve is intended to protect sensitive plant and wildlife species and their habitats pursuant to the Western Riverside County MSHCP. The MSHCP

Implementation Structure is outlined in MSHCP Section 6.0 (Implementation Structure). As a Permittee City, Murrieta is required to adopt an ordinance imposing the Local Development Mitigation Fee, and an ordinance/resolution that adopts the MSHCP and establishes procedures and requirements for its implementation.

In compliance with MSHCP Section 6.0, the City has adopted the Western Riverside County MSHCP Implementation Policy (Resolution Number 03-1246) and the Local Development Mitigation Fee Ordinance (Ordinance Number 289-03). The Western Riverside County MSHCP Implementation Policy establishes procedures and requirements for implementation of the Western Riverside County MSHCP. Adoption and implementation of this Policy enables the City to achieve the MSHCP Conservation Goals and implement the associated IA. This Policy also includes provisions for implementation of the HANS process and an alternative process that focuses on whether all or a portion of a property is located within the boundaries of the Criteria Area. Additionally, the City's MSHCP Implementation Policy (Sections V.A through V.F) addresses the requirements pertaining to protection of riparian/riverine areas and vernal pools, protection of narrow endemic plant species, urban/wildlands interface, conditions of approval for surveys, and City transfer of property.

Also in compliance with MSHCP Section 6.0, the City has adopted the Local Development Mitigation Fee Ordinance (Ordinance Number 289-03), which establishes a mitigation fee for funding the preservation of natural ecosystems in accordance with the Western Riverside County MSHCP.

MSHCP Conceptual Conservation Scenario. The Conceptual Conservation Scenario for the MSHCP Reserve Area is based on existing Conserved Lands, proposed Core Areas (undeveloped lands), and proposed Linkages (between Core Areas). *Exhibit 5.10-1* illustrates the Proposed Linkages and Cores, which are the focus of the Conservation Goals for the City/SOI. These Proposed Linkages and Cores include existing and proposed Conserved Lands that would be permanently protected and managed in their natural state for the benefit of the Covered Species.

The proposed General Plan 2035 has taken a focused development strategy that would be implemented through seven Focus Areas, with individualized approaches for each area. A review of *Exhibit 3-3*, *General Plan 2035 Focus Areas*, and *Exhibit 5.10-1*, indicates that future development within the proposed Focus Areas could involve the Proposed Linkages and Cores, as follows:

- North Murrieta Business Corridor Focus Area: May involve development within Antelope Valley Proposed Core 2 and Sedco Hills-Paloma Valley Proposed Constrained Linkage 16.

- South Murrieta Business Corridor Focus Area: May involve development within Murrieta Creek Proposed Constrained Linkage 13 and Lower Warm Springs Creek Proposed Constrained Linkage 15.

Given that development is also anticipated outside of the Focus Areas, future development may occur within the Proposed Linkages and Cores located elsewhere in the City.

The City of Murrieta approved the MSHCP and is a local Permittee under the MSHCP. As such, the City has the authority to meet the conservation planning obligations for its jurisdiction. Future development would undergo environmental and design review on a project-by-project basis, in order to confirm consistency with the City's MSHCP Implementation Policy and the MSHCP Species Conservation Guidelines and Area Plan Conservation Criteria. The MSHCP, Permits, and Implementation Agreement would serve as guiding documents for implementation of the conservation goals and land use planning parameters required by the City.

It is noted, the MSHCP, while including a process for negotiation for potential acquisition of property for conservation, also anticipates the potential for project-specific parties to not come to an agreement through the HANS process. The MSHCP states "This HANS process will not be construed as a limitation on the County's or the Cities' ability to approve or deny a development application except that a project consistent with this HANS process may not be denied solely because a development application does not comply with the MSHCP Conservation Criteria." This is evidenced in the MSHCP's approach, which identifies a Conceptual Conservation Scenario and identifies a target acreage range, rather than precise acreage, for each Area Plan Subunit. More specifically, the target conservation range for lands within Subunits SW1, SW5, SW6, and SCM1 located within City limits is between 1,580 and 3,200 acres. Therefore, although acquisition may not be achieved through the HANS process, compliance with the HANS process would ensure compliance with the MSHCP.

Additionally, the proposed General Plan 2035 Conservation Element has established goals and policies that address compliance with the *Western Riverside County MSHCP*. It is the City's goal (Conservation Element Goal CSV-8) to conserve biological resources through habitat preservation and restoration, in coordination with other regional efforts and in compliance with State and Federal mandates. To this end, the proposed General Plan 2035 has established Policy CSV-8.1, in order to continue conservation of habitat areas and wildlife corridors under the MSHCP. Policy CSV-8.2 requires compliance with applicable policies and regulations of regional, State, and Federal agencies, in order to achieve common goals for preservation of habitat and the protection of threatened and endangered species. In addition, Policies CSV-8.5 and CSV-8.6 address the MSHCP regarding the preservation of jurisdictional waters and other resources, and the reduction of impacts at the urban interface. All future development would be subject to compliance with the policies outlined below, in furtherance of these City goals. Therefore, future development according to the proposed General Plan 2035 is not anticipated to conflict with the provisions of the Western Riverside County MSHCP. A less than significant impact would occur in this regard.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.10.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.10.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED PROJECT AND CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS TO BIOLOGICAL RESOURCES.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Cumulative biological impacts are primarily analyzed in terms of consistency with the *Western Riverside County MSHCP*. The MSHCP is a comprehensive, multi-jurisdictional habitat conservation plan focusing on the conservation of species and their associated habitats in Western Riverside County. The MSHCP is intended to allow Western Riverside County and its Cities to better control local land-use decisions while addressing the requirements of the State and Federal Endangered Species Acts. The MSHCP encompasses approximately 1.26 million acres, and includes all unincorporated Riverside County land west of the crest of the San Jacinto Mountains to the Orange County line, as well as the jurisdictional areas of the Cities of Temecula, Murrieta, Lake Elsinore, Canyon Lake, Norco, Corona, Riverside, Moreno Valley, Banning, Beaumont, Calimesa, Perris, Hemet, and San Jacinto.

The MSHCP Conceptual Reserve Design is based on existing Conserved Lands, proposed Core Areas (undeveloped lands), and proposed Linkages (between Core Areas). The Conceptual Reserve Design forms the basis for the overall conservation and impact estimates for Covered Species under the MSHCP Plan. MSHCP Figure 3-2, Schematic Cores and Linkages, illustrates Western Riverside County's existing Conserved Lands, Proposed Cores, and Proposed Linkages. In order to describe and implement the MSHCP's proposed conservation objectives efficiently, the Reserve Area is subdivided into Cells, which are grouped into Area Plans and Subunits for ease of discussion and planning. MSHCP Figure 3-3, Area Plans and Subunits, depicts the locations of the Area Plan Subunits within Western Riverside County. The Planning Species, and Biological Issues and Considerations for each Subunit are addressed individually for each Area Plan, in furtherance of the Plan's Conservation Goals.

As concluded above, implementation of the proposed General Plan 2035 would result in less than significant impacts involving the following issue areas: special status (listed) species; sensitive vegetation communities, including riparian habitat or federally protected wetlands; wildlife corridors; conflicts with local policies or ordinances protecting biological resources; and conflicts with the MSHCP. This analysis considered: listed, covered species; non-listed, covered species; and non-covered species, among other factors.

The MSHCP Final EIR/EIS analyzed the biological impacts resulting from implementation of the MSHCP for the following issue areas: vegetation communities; listed, covered species; non-listed, covered species; and non-covered species, among others. As outlined in EIR/EIS Table ES-8, the impact analysis concluded implementation of the MSHCP would result in less than significant impacts for the biological issue areas analyzed, except for the following significant and unavoidable impacts:

- Vegetation Community (Sensitive Upland: chaparral, coastal sage scrub, desert scrub, grasslands, Riversidean alluvial fan sage scrub); and

- Non-Covered Species.

City of Murrieta Resolution Number 03-1245 adopts the environmental findings pursuant to CEQA and a Statement of Overriding Considerations.

The biological impacts resulting from implementation of the proposed General Plan 2035 were considered in the MSHCP Final EIR/EIS analysis, since the MSHCP's approach identifies a Conceptual Conservation Scenario intended to accomplish the conservation goals for native vegetation communities and associated species. The MSHCP assembles a Reserve Area that incorporates substantial acreages of existing Conserved Lands, proposed Core Areas, and proposed Linkages. Moreover, the Conceptual Conservation Scenario identifies a target acreage range, rather than a precise acreage, for each Area Plan Subunit throughout MSHCP Area, including the City of Murrieta. The target conservation range for lands within Subunits SW1, SW5, SW6, and SCM1 located within City limits is between 1,580 and 3,200 acres. This target range was assumed for accomplishing the MSHCP's conservation goals. The General Plan 2035 is concluded to be consistent with the MSHCP, as discussed in the Western Riverside County MSHCP Consistency Section above. As such, impacts to biological resources, which are based on the conservation objectives, were anticipated in the MSHCP EIR/EIS. Implementation of the proposed General Plan 2035 project would be consistent with the analysis presented in the Final EIR/EIS, and would result in no greater impacts to biological resources than previously identified.

The cities within jurisdiction of the MSHCP, including the City of Murrieta, approved the MSHCP and are local Permittees under the MSHCP. The USFWS and CDFG issued take permits under the FESA and CESA. As such, the local Permittees (including the City of Murrieta) have the authority to meet the Federal and State endangered species and conservation planning obligations for their respective jurisdictions. The local Permittees, including the City of

Murrieta Department of Planning, would be responsible for ensuring that all development proposed within jurisdiction of the MSHCP is consistent with the MSHCP Species Conservation Guidelines and Area Plan Conservation Criteria. The MSHCP, Permits, and IA would serve as guiding documents for the implementation of the conservation goals and land use planning parameters required by the local Permittees.

All future development within Western Riverside County would undergo environmental and design review on a project-by-project basis, in order to evaluate potential impacts to biological resources and ensure consistency with the Western Riverside County MSHCP. Future development with potential to impact biological resources would also be required to comply with the established Federal and State regulatory framework. Biological impacts associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goals and policies in the proposed General Plan 2035, and compliance with the Murrieta MSHCP Implementation Policy, and Western Riverside County MSHCP. Cumulative impacts to biological resources within Western Riverside County are currently being mitigated on a project-by-project basis and in accordance with the MSHCP, including through the HANS process. Therefore, implementation of the proposed General Plan 2035 would not result in cumulatively considerable impacts to biological resources.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.10.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.10.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Biological impacts associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goals and policies in the proposed General Plan 2035, compliance with the City's MSHCP Implementation Policy, Local Development Mitigation Fee Ordinance, and Development Code, and the Western Riverside County MSHCP. No significant unavoidable impacts to biological resources would occur as a result of buildout of the proposed General Plan 2035.

5.10.7 SOURCES CITED

County of Riverside Transportation and Land Management Agency, and United States Fish and Wildlife Service, *Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) Final MSHCP Volume IV Final EIR/EIS*, June 17, 2003.

LSA Associates, Inc., *City of Murrieta General Plan Update Biological Resources*, December 2009.

Murrieta Development Code.

Western Riverside County Multiple Species Habitat Conservation Plan Official Website, http://www.rctlma.org/mshcp/index.html, Accessed January 17, 2010.

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Section 5.11:
Agricultural Resources

5.11 AGRICULTURAL RESOURCES

This section evaluates potential impacts to agricultural resources that could result from implementation of the proposed General Plan 2035.

5.11.1 REGULATORY SETTING

STATE

Farmland Mapping and Monitoring Program

Maps of Important Farmlands are prepared by the California Department of Conservation as part of its Farmland Mapping and Monitoring Program (FMMP). Important Farmland maps are prepared periodically for most of the State's agricultural areas based on information from the Natural Resource Conservation Service's soil survey maps, land inventory and monitoring criteria developed by the Natural Resource Conservation Service, and land use information mapped by the California Department of Water Resources. These criteria generally are expressed as definitions that characterize the land's suitability for agricultural production, including physical and chemical characteristics of the soil and actual land use. Important farmland maps are generally updated every two years. The following provides descriptions for farmlands mapping categories.

- ***Prime Farmland*:** Farmland with the best combination of physical and chemical features able to sustain long term agricultural production. This land has the soil quality, growing season, and moisture supply needed to produce sustained high yields. Land must have been used for irrigated agricultural production at some time during the four years prior to the mapping date.

- ***Farmland of Statewide Importance:*** Farmland similar to Prime Farmland but with minor shortcomings, such as greater slopes or less ability to store soil moisture. Land must have been used for irrigated agricultural production at some time during the four years prior to the mapping date.

- ***Unique Farmland:*** Farmland of lesser quality soils used for the production of the state's leading agricultural crops. This land is usually irrigated, but may include nonirrigated orchards or vineyards as found in some climatic zones in California. Land must have been cropped at some time during the four years prior to the mapping date.

- ***Farmland of Local Importance:*** Lands of importance to the local agricultural economy, as determined by each county's board of supervisors and a local advisory committee.

- ***Grazing Land:*** Lands in which the existing vegetation is suited to the grazing of livestock.

In Riverside County, Farmland of Local Importance is defined as follows[1]:

- Soils that would be classified as Prime and Statewide but lack available irrigation water.
- Lands planted to dryland crops of barley, oats, and wheat.
- Lands producing major crops for Riverside County but that are not listed as Crops grown on unique farmland. These crops are identified as returning one million or more dollars on the 1980 Riverside County Agriculture Crop Report. Crops identified are permanent pasture (irrigated), summer squash, okra, eggplant, radishes, and watermelons.
- Dairylands, including corrals, pasture, milking facilities, hay and manure storage areas if accompanied with permanent pasture or hayland of 10 acres or more.
- Lands identified by city or county ordinance as Agricultural Zones or Contracts, which includes Riverside City "Proposition R" lands.
- Lands planted to jojoba which are under cultivation and are of producing age.

California Land Conservation Act

The California Land Conservation Act of 1965 (*California Government Cod*e Section 51200 – 51297.4), commonly referred to as the Williamson Act, enables local governments to enter into contracts with private landowners for the purpose of restricting specific parcels of land to agricultural or related open space use. In return, landowners receive property tax assessments which are much lower than normal because they are based upon farming and open space uses as opposed to full market value. Local governments receive an annual subvention of forgone property tax revenues from the State via the Open Space Subvention Act of 1971 (*California Government Code* Section 16140-16154).

LOCAL

City of Murrieta Development Code

Agricultural uses are provided “right to farm” protections from land use conflicts by the *City of Murrieta Development Code,* Section 16.18.040, Equestrian and Agriculture Preservation. The intent of this section is to preserve the City's rural equestrian and agricultural character and to protect equestrian facilities, kennels and agricultural operations as a high community priority while minimizing conflicts with new urban development. It includes requirements to notify prospective purchasers, residents and tenants of property adjoining or near agricultural

[1] California Department of Conservation Farmland Mapping and Monitoring Program, “Farmland of Local Importance,” downloaded from http://www.conservation.ca.gov/dlrp/fmmp/mccu/Pages/map_categories.aspx, January 13, 2011.

operations, of the inherent conflicts associated with the purchase of the residence including the presence of chemicals, dust, light, noise, odors and traffic that may occur near agricultural operations. It also states that no agricultural or livestock use shall become a nuisance to adjacent land uses, when the use was not a nuisance at the time it was established.

5.11.2 ENVIRONMENTAL SETTING

FARMLAND

Murrieta's economy was once based on agriculture, and there is still farmland within the City and the Sphere of Influence. *Exhibit 5.11-1*, *Important Farmland (2008)* shows the location of farmland types in the City and Sphere of Influence, including Prime Farmland, Farmland of Statewide Importance, and Unique Farmland. *Table 5.11-1*, *Farmland Types in Murrieta and Sphere of Influence (2008)* provides the acreage for each Farmland Mapping Category. *Exhibit 5.11-1* and *Table 5.11-1* are based on the Important Farmland maps prepared by the State in 2008. These maps include land that was used for agricultural production anytime in the four years before the maps were prepared. However, by 2009 the extent of land used for agricultural production within the City limits was far less than the farmland depicted in *Exhibit 5.11-1*.

Table 5.11-1
Farmland Types in Murrieta and Sphere of Influence (2008)

Farmland Mapping Category	Total in Acres
City of Murrieta	
Urban Built Out Land	11,348
Grazing Land	1,540
Farmland of Local Importance	3,207
Prime Farmland	65
Farmland of Statewide Importance	28
Unique Farmland	81
Other Land	5,242
Sphere of Influence	
Urban Land	442
Grazing Land	1,164
Farmland of Local Importance	2,581
Other Land	1,155

Source: City of Murrieta GIS Data, December 2009.

Most of the land classified as farmland in Murrieta is Farmland of Local Importance, concentrated in the southwest and northeast; or Grazing Land, primarily in the northeast. The majority of the Sphere of Influence is designated as either Farmland of Local Importance or Grazing Land. Several isolated parcels classified as Farmland of Statewide Importance or Prime Farmland are located in the southern portion of the City, west of I-15. Parcels classified as Unique Farmland are present in the northern area of the City.

WILLIAMSON ACT LANDS

To preserve agricultural uses, the Williamson Act established an agricultural preserve contract procedure by which counties or cities within California can tax landowners at a lower rate, in return for a guarantee that these properties will remain under agricultural production for a period of 10 years.

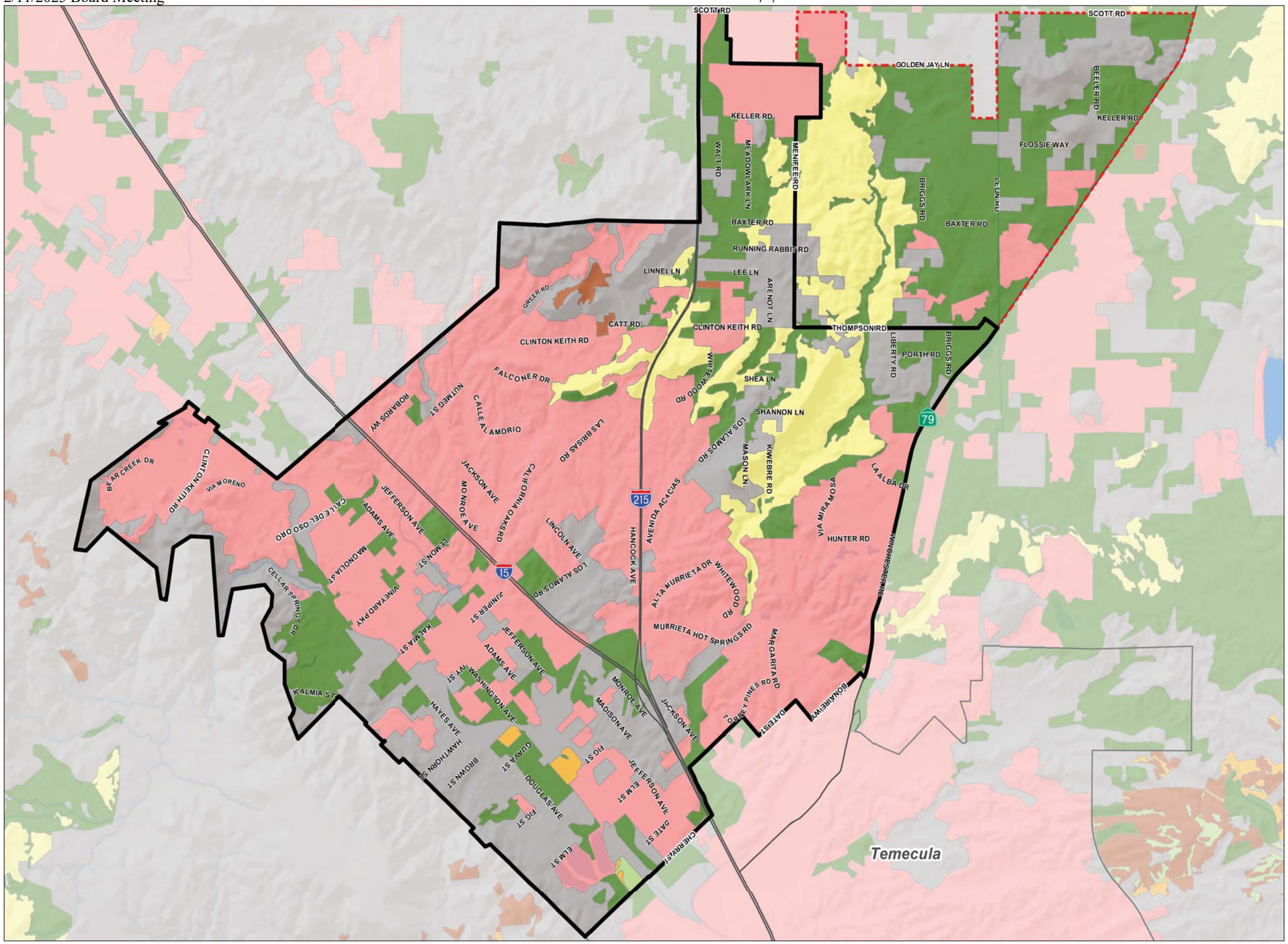
According to the California Department of Conservation, no Williamson Act encumbered properties are located within the City of Murrieta. However, approximately 58 acres of encumbered properties are located in the Sphere of Influence; refer to *Exhibit 5.11-2*, *Williamson Act Farmland (2007)*. None of these contracts are in non-renewal status with the State. Of this land, 48 acres are designated as Prime Agricultural Land by the Farmland Mapping and Monitoring Program.

5.11.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, agricultural resources impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use.
- Conflict with existing zoning for agricultural use, or a Williamson Act contract.
- Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland to non-agricultural use.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.



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LEGEND

Important Farmlands

- Urban Built Out Land
- Grazing Land
- Prime Farmland
- Farmland of Local Importance
- Farmland of Statewide Importance
- Unique Farmland
- Water
- Other Land
- Sphere of Influence
- City Boundary

Note: The Department of Conservation Farmland Mapping and Monitoring Program updates agricultural land maps every two years. 2008 was the most recent available data for Riverside County.

0 0.5 1
Miles

Source: County of Riverside; City of Murrieta; USGS; ESRI - World Shaded Relief; and California Department of Conservation.

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Important Farmland (2008)

Exhibit 5.11-1

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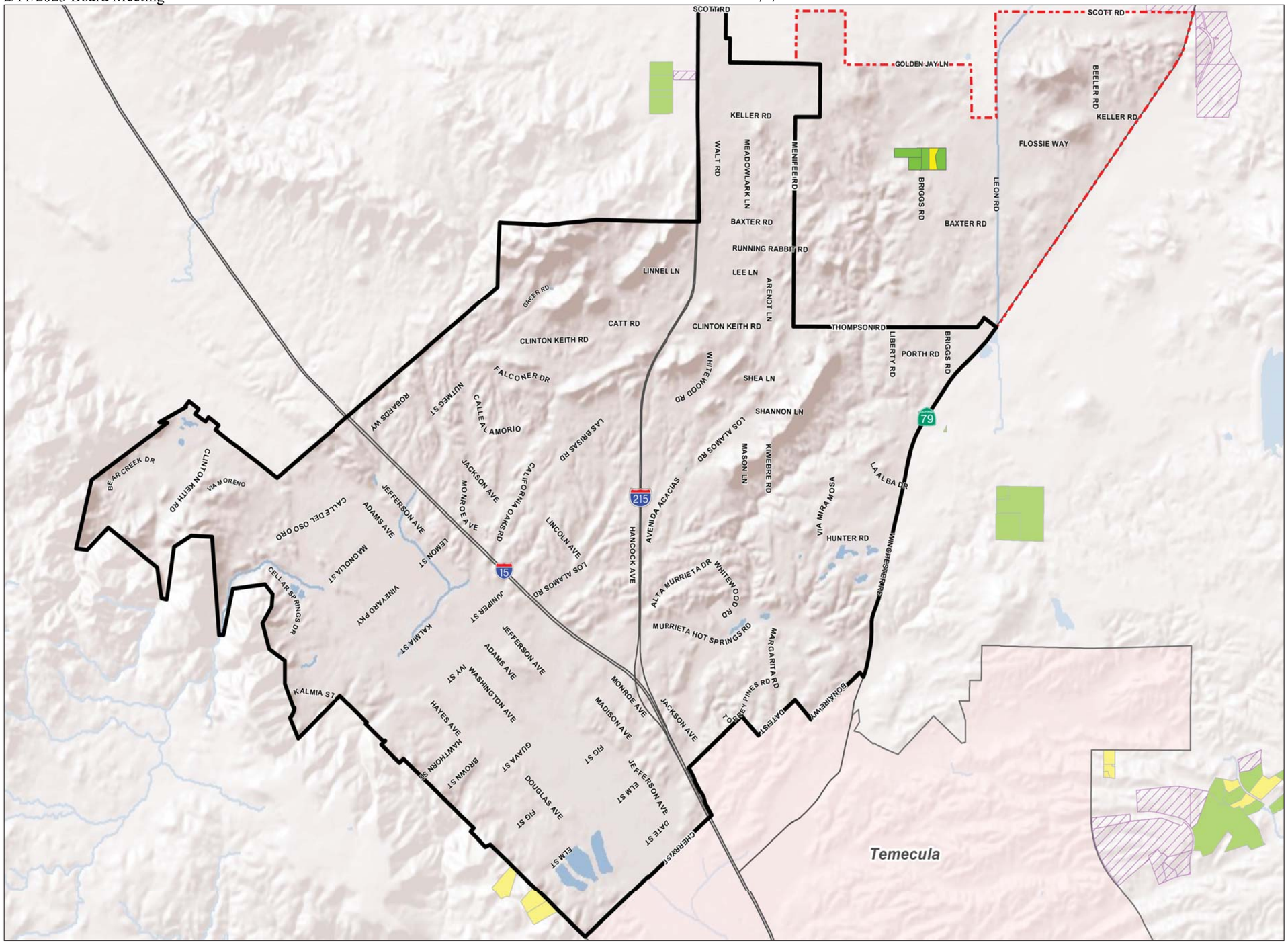

LEGEND

2006 Williamson Act Lands

- Non-Prime Agricultural Land
- Prime Agricultural Land
- Land in Non-Renewal
- Sphere of Influence
- City Boundary

Note: Lands enrolled in Williamson Act and Farmland Security Zone Contracts as of January 1, 2007. The Department of Conservation produces Biennial Land Conservation (Williamson) Act Status Reports in even number years that reflect the previous two years. The last available status report is 2008, covering the years 2006 and 2007.

0 0.5 1
Miles

Source: County of Riverside; City of Murrieta; and California Department of Conservation.

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Williamson Act Farmland (2007)

Exhibit 5.11-2

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5.11.4 PROJECT IMPACTS AND MITIGATION MEASURES

CONVERSION OF FARMLAND TO NON-AGRICULTURAL USE

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN CONVERSION OF FARMLAND TO NON-AGRICULTURAL USE, INCLUDING LAND SHOWN ON THE 2008 FARMLAND MAPPING AND MONITORING PROGRAM, AS UNIQUE FARMLAND.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: The proposed General Plan 2035 has taken a focused development strategy that would be implemented through seven Focus Areas, with individualized approaches for each area. New growth associated with the proposed General Plan 2035 is primarily anticipated to occur within the five Focus Areas targeted for land use change. These five Focus Areas are generally near the freeways, around economic catalysts such as the Loma Linda University Medical Center-Murrieta and Murrieta Education Center that are expected to generate interest in further development. No land use changes are proposed for the remainder of the City.

Parcels identified as Prime Farmland and Farmland of Statewide Importance do not fall within the boundaries of any of the proposed General Plan 2035 Focus Areas. Therefore, no impacts are anticipated to these types of farmland. However, parcels in the northern part of the City that are shown as Unique Farmland on the 2008 Important Farmland map fall within the boundaries of two Focus Areas. The Unique Farmland areas west of I-215 are currently within the City's Rural Residential zoning district. These parcels partially fall within the Clinton Keith/Mitchell Focus Area, and are designated Rural Residential in the proposed General Plan 2035, along with nearby parcels that buffer them from more intense uses to the east. Agricultural uses are a permitted use in the Rural Residential zoning district. Therefore, the proposed General Plan 2035 is not expected to result in conversion of these parcels to non-agricultural use; impacts are considered less than significant in this regard.

The Unique Farmland parcel east of I-215 is within the City's Business Park zoning district and is currently used as a plant nursery; in-pot nurseries are mapped by Farmland Mapping and Monitoring Program as Unique Farmland regardless of underlying soil type[2]. The nursery is a permitted use on this parcel under the City's current Development Code. The parcel lies in the North Murrieta Business Corridor Focus Area, and is designated as Commercial in the proposed General Plan 2035. Plant nurseries are a permitted use in several commercial zoning districts; depending on how zoning is implemented in this area, the plant nursery may be a non-conforming use. Development in the North Murrieta Business Corridor Focus Area may also result in pressure for this parcel to be developed with a different commercial use. However,

[2] Amy Klug, Research Analyst (GIS), California Department of Conservation Farmland Mapping and Monitoring Program, email communication, December 20, 2010.

because plant nurseries are allowed in the Rural Residential district and several non-residential zoning districts, the plant nursery could move its potted plants to another location in the City if it is displaced. Any new plant nurseries in the City would be considered to be new areas of Unique Farmland. Therefore, the proposed General Plan 2035 is not anticipated to cause a permanent loss of Unique Farmland; impacts are considered less than significant in this regard.

The 2008 Important Farmland map shows Locally Important Farmland throughout the City. However, as stated above, most of this land is not in agricultural production based upon City staff review of parcel records and field inspection, and therefore may not be eligible for inclusion on the Important Farmland maps expected to be released in 2011.

Under the proposed General Plan 2035, future development efforts are directed toward the Focus Areas, with an emphasis on encouraging additional office and business park uses in appropriate freeway-adjacent locations. Although most of the City is urbanized or urbanizing, large rural residential areas would remain, where agricultural uses are less subject to land use conflicts and development pressure. The proposed General Plan 2035 goals and policies in the Conservation and Land Use Elements support the protection of rural character and the continued potential for agricultural uses in these rural residential areas.

In addition to allowing agricultural activity in rural residential areas, the proposed General Plan 2035 policies encourage additional, small-scale urban agricultural opportunities to be created throughout the City. The focus of these policies is on improving Murrieta residents' access to fresh, locally grown produce, rather than on growing food for export out of the community. However, urban agriculture is an evolving industry and the proposed General Plan 2035 allows for commercial urban farming operations as well as food processing facilities that could be linked to those operations.

Through the proposed General Plan 2035, the potential for agricultural uses in rural residential areas would remain, and the expansion of agricultural uses in urbanized areas is encouraged. Therefore, impacts on farmland are considered to be less than significant.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-10 Fresh food is grown locally and made available through multiple venues that maintain a link to the City's agricultural heritage and promote healthy eating.

Policies

CSV-10.1 Allow agricultural uses to continue in rural residential areas.

CSV-10.2 Consider ways to allow small-scale urban agriculture in parks, schools, and neighborhoods.

CSV-10.3 Ensure that residents are permitted to grow fruits and vegetables in their yards, so long as there are not significant negative impacts to adjacent property owners.

CSV-10.4 Encourage and support the use of public lands for community gardens and other food production facilities, when feasible.

CSV-10.5 Support opportunities for local food production and access, such as farmers' markets, community gardens, harvest sharing programs, and community-supported agriculture programs.

CSV-10.6 Encourage local farmers to sell fresh food locally.

CSV-10.7 Allow public facilities such as schools, libraries, and community centers to be used as Community Supported Agriculture pick-up sites, where feasible.

LAND USE ELEMENT

Goal LU-2 A community that preserves its rural characteristics in appropriate locations.

Policies

LU-2.1 Provide for the keeping of horses and other livestock, as well as farming or agricultural operations, on appropriate larger lot residential property to preserve the community's heritage.

Goal LU-20 West of Warm Springs Creek, preserve the historic rural character of the Los Alamos Hills area by maintaining its unique environment rural style with low-density development and small rural roads while preserving natural features.

Policies

LU-20.6 Allow the keeping of personal livestock for both commercial and non-commercial purposes pursuant to the standards in the City's Development Code, and as may be modified through a Specific Plan.

LU-20.7 Allow commercial farms, tree crops and other agricultural uses on lots of at least 2.5 acres in size consistent with Los Alamos' long history as an agricultural community.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

ZONING AND WILLIAMSON ACT CONTRACTS

IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD CONFLICT WITH EXISTING ZONING FOR AGRICULTURAL USES, OR A WILLIAMSON ACT CONTRACT.

Level of Significance Before Mitigation: No Impact.

Impact Analysis: The proposed General Plan 2035 would not involve direct modifications to existing zoning designations; however, zoning designations would be made consistent with General Plan land use designations following adoption of the proposed General Plan 2035. The City's current *Development Code* does not include agricultural use zoning districts, but agricultural uses including commercial crop production are permitted in the Rural Residential, Estate Residential, and General-Industrial-A zoning districts; plant nurseries are permitted in some Commercial zoning districts. The proposed General Plan 2035 would maintain the current land use designations throughout the City, with the exception of the land use changes in the five of the seven Focus Areas. The proposed General Plan 2035 does not include any modifications to County agricultural zoning designations in the Sphere of Influence.

According to the California Department of Conservation, no properties located within the City are under Williamson Act contracts. Approximately 58 contiguous acres in the Sphere of Influence, which are located approximately 1 mile east and 1.5 miles north of the City limits, are under Williamson Act contract. Land use and zoning in the Sphere of Influence is under the jurisdiction of Riverside County. The proposed General Plan 2035 does not address land use in the Sphere of Influence, and therefore would not conflict with any Williamson Act contract.

Given that no properties are currently under Williamson Act contracts in the City, and that the proposed General Plan 2035 proposes no land use changes in the Sphere of Influence, no impacts would occur in this regard.

Goals and Policies in the Proposed General Plan 2035: No goals or policies in the proposed General Plan 2035 pertain specifically to Williamson Act Contracts.

Mitigation Measures: No mitigation measures are required.

Level of Significance After Mitigation: Not Applicable.

5.11.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND OTHER CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS TO AGRICULTURAL RESOURCES.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Future development projects in the City of Murrieta, the City's Sphere of Influence, County of Riverside, and the region could result in the loss of agricultural resources. Development in the region impacting agricultural resources designated as prime farmland, farmland of statewide importance, unique farmland, grazing lands, or farmland of local importance would be considered a significant impact. All these categories of agricultural land are currently located within the City.

No properties located within the City are under Williamson Act contracts. Although parcels in the Sphere of Influence are encumbered under such contracts, they would not be affected by the proposed General Plan 2035.

Through the proposed General Plan 2035, the potential for agricultural uses in rural residential areas would remain, and the expansion of agricultural uses in urbanized areas is encouraged. Therefore, implementation of the proposed General Plan 2035 would result in less than cumulatively considerable agricultural resource impacts.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.11.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.11.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Agricultural impacts associated with implementation of the proposed General Plan 2035 would not occur or would be less than significant with compliance with and/or adherence to State and local regulations, and goal and policies in the proposed General Plan 2035. Therefore, no

significant unavoidable agricultural resources impacts would occur as a result of the proposed General Plan 2035.

5.11.7 SOURCES CITED

Amy Klug, Research Analyst (GIS), California Department of Conservation Farmland Mapping and Monitoring Program, email communication, December 20, 2010.

California Department of Conservation Farmland Mapping and Monitoring Program, "Farmland of Local Importance," downloaded from http://www.conservation.ca.gov/dlrp/fmmp/mccu/Pages/map_categories.aspx, January 13, 2011.

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Section 5.12:
Mineral Resources

5.12 MINERAL RESOURCES

This section evaluates potential impacts to mineral resources that could result from implementation of the proposed General Plan 2035.

5.12.1 REGULATORY SETTING

FEDERAL

There are no Federal regulations applicable to mineral resources. Activities related to mining and mine reclamation are regulated by the State.

STATE

Surface Mining and Reclamation Act of 1975

The State Mining and Reclamation Act of 1975 (*California Public Resources Code* Section 2710 et seq.) (SMARA) required that the California State Geologist implement a mineral land classification system to identify and protect mineral resources of regional or statewide significance in areas where urban expansion or other irreversible land uses may occur, thereby potentially restricting or preventing future mineral extraction on such lands. It is also the intent of this process, through the adoption of general plan mineral resource management policies, that this information be considered in local land use planning activities (California *Public Resources Code* Section 2762). The California State Mining and Geology Board (SMGB) classifies such urban and non-urban lands according to a priority list, or when the Board is otherwise petitioned to classify a particular land area.

As mandated by SMARA, aggregate mineral resources within the State are classified by the SMGB through application of the Mineral Resource Zone (MRZ) System. The MRZ is used to map all mineral commodities within identified jurisdictional boundaries, with priority given to areas where future mineral resource extraction may be prevented or restricted by land use compatibility issues, or where mineral resources may be mined during the 50-year period following their classification. The MRZ classifies lands that contain mineral deposits and identifies the presence or absence of substantial sand and gravel deposits and crushed rock source areas (i.e., commodities used as, or in the production of, construction materials). The State Geologist classifies MRZs within a region based on the following factors:

- MRZ-1: Areas where adequate information indicates that no significant mineral deposits are present, or where it is judged that little likelihood exists for their presence.

- MRZ-2: Areas where adequate information indicates that significant mineral deposits are present, or where it is judged that a high likelihood exists for their presence.
- MRZ-3: Areas containing mineral deposits for which the significance cannot be determined from available data.
- MRZ-4: Areas where available information is inadequate for assignment of any other MRZ category.

Mining operations and mine reclamation activities are required to be performed in accordance with laws and regulations adopted by the SMGB, as contained in Section 3500 et seq. of *Title 14* of the *California Code of Regulations* (CCR). The State Department of Conservation's Office of Mine Reclamation (OMR) oversees reclamation requirements.

Division of Oil, Gas, and Geothermal Resources

The California State Department of Conservation maintains the Division of Oil, Gas, and Geothermal Resources (DOGGR). The DOGGR is responsible for monitoring the drilling, operation, maintenance, and abandonment of oil, gas, and geothermal wells with the intention of environmental protection, public health and safety, and general environmental conservation methods. The DOGGR is also responsible for collecting groundwater, oil, gas, and geothermal resource data for maintaining a record of all drilled and abandoned well locations.

Division of Mines and Geology

The California Division of Mines and Geology (DMG) operates within the Department of Conservation. The DMG is responsible for assisting in the utilization of mineral deposits and the identification of geological hazards.

State Geological Survey

Similar to the DMG, the California Geological Survey is responsible for assisting in the identification and proper utilization of mineral deposits, as well as the identification of fault locations and other geological hazards.

LOCAL

City of Murrieta Municipal Code

City of Murrieta Municipal Code, *Title 16 Development Code*, Article IV – Administration, Chapter 16.68, *Surface Mining Permits* provides guidelines for the review of surface mining permit applications that are intended to create and maintain an effective surface mining and reclamation policy, as authorized by SMARA. Chapter 16.68 includes provisions for the:

- Regulation of surface mining operations in order to prevent or minimize potentially adverse effects resulting from surface mining operations.

- Reclamation of mined lands in a manner in which the continued mining of valuable materials is not precluded, and that such lands are returned to a usable condition that is readily adaptable for alternative land use.

- Production and conservation of minerals, with consideration given to range and forage, recreation, watershed, wildlife, and aesthetic enjoyment, and the elimination of potential residual hazards to public convenience, health, safety, and general welfare.

5.12.2 ENVIRONMENTAL SETTING

Murrieta and its Sphere of Influence lie within the Temescal Valley Area within Riverside County. Within this area, mineral lands are classified as metallic (hydrothermal and sedimentary), industrial, and aggregate. Within the Temescal Valley Area, existing mineral extraction activities and commodities produced primarily consist of clay, specialty sands, and specialty stone.

Construction aggregate (crushed rock, sand, and gravel) also represents a valuable mineral commodity. Sand, gravel, and clay are generally used for fill purposes, for the construction of roads and highways within urban and suburban development, and for other infrastructure purposes such as canals, aqueducts, etc. With the production of these commodities over recent years, the Temescal Valley Area has become a major area for mining.

The construction industry is greatly dependent on readily available aggregate deposits that are within a reasonable distance to market regions. Aggregate is a low unit-value, high bulk-weight commodity; therefore, aggregate for construction must be obtained from nearby sources in order to minimize costs. If nearby aggregate sources do not exist, then transportation costs can quickly exceed the value of the aggregate. For Murrieta, the nearest quarries for aggregate materials are located along I-15 north of SR-74 (Pacific Aggregates) and south of SR-76 (National Quarries), with two other quarries proposed at closer range[1].

Five mineral resource sites have been identified within the City, shown in *Exhibit 5.12-1, Mineral Resources*. These sites contain clay, sand and gravel (construction), feldspar, feldspar/silica, and gold. One geothermal resource is also identified within the City boundaries. Within the Sphere of Influence, three mineral resource sites are identified that contain feldspar, gold, and stone (crushed/broken). However, the Riverside County Permitted Surface Mines List does not show any mines within the City of Murrieta[2], nor is the City aware of any mines, which would require a permit.

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[1] Southern California Construction Aggregates Market Study, EnviroMINE, Inc., November 2007.

[2] Riverside County Planning Department, "Permitted Surface Mines List," http://www.tlma.co.riverside.ca.us/planning/content/geninfo/surface_mine_list.aspx, accessed January 3, 2011.

As stated above, SMARA directs the State Geologist to classify non-fuel mineral resources of the State to show where economically significant mineral deposits occur and where they are likely to occur, based upon the best available scientific data. For industrial materials, the City and its Sphere of Influence are classified as MRZ-4, an area of unknown mineral resource significance. For aggregate resources, most of the City and the Sphere of Influence are classified as MRZ-3a, an area containing known mineral occurrences of undetermined mineral resource significance. According to Special Report 165 of the California Geological Survey, the MRZ-3a designation in Murrieta contains two types of potential deposits: sand and gravel, and crushed stone[3]. Land west of I-15 is classified as MRZ-1, an area of no mineral resource significance.

MRZ-3a areas are considered to have a moderate potential for the discovery of economic mineral deposits. The MRZ-3 classification indicates potentially significant mineral deposits that can be reclassified as significant mineral deposits through either a petition or regular periodic review by the State. This reclassification can occur in the event of a change in the mineral resources, or if a threat to the extraction of mineral deposits develops. Once areas within their jurisdiction have been classified as MRZ-3, cities and counties may prepare a report in order to determine the economic viability and extent of mineral and aggregate resources.

OIL

According to the State of California Department of Conservation DOGGR, no underlying oil fields are present in the General Plan Planning Area, or in outlying areas.[4] Well data maintained by the DOGGR indicate that four exploratory wells have been previously drilled within the City. None of the wells indicated the presence of oil or gas. These wells have since been plugged and abandoned.

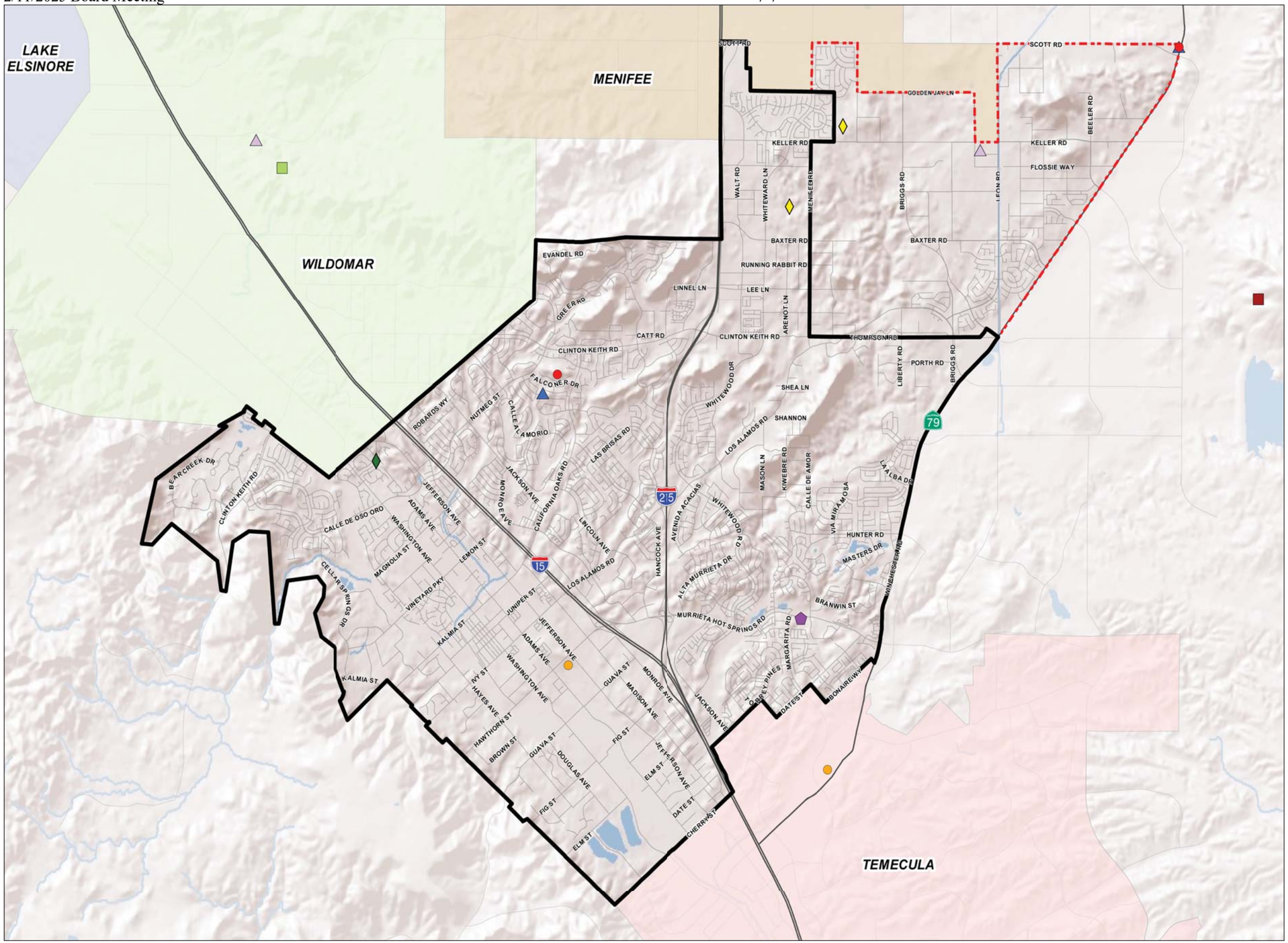
5.12.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, impacts to mineral resources resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- The loss of availability of a known mineral resource that would be of value to the region and the residents of the state.
- The loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan.

[3] *Mineral Land Classification of the Temescal Valley Area, Riverside County, California*, Special Report 165, California Department of Conservation Division of Mines and Geology, 1991.

[4] State of California Department of Conservation, Division of Oil, Gas and Geothermal Resources, ftp://ftp.consrv.ca.gov/pub/oil/maps, accessed December 10, 2009.



LEGEND

Mineral Resources

- Clay
- Copper
- Feldspar
- Feldspar, Silica
- Geothermal
- Gold
- Iron
- Sand and Gravel, Construction
- Stone, Crushed/Broken
- Sphere of Influence
- City Boundary

0 0.5 1
Miles

Source: County of Riverside, City of Murrieta, and the California Department of Conservation.

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Mineral Resources

Exhibit 5.12-1

Back of 11 x 17 exhibit

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.12.4 PROJECT IMPACTS AND MITIGATION MEASURES

MINERAL RESOURCE ZONES

■ IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN IMPACTS TO MINERAL RESOURCES NOT YET IDENTIFIED.

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: It is unknown and therefore unlikely that there are significant mineral resources in the MRZ-4 area that would be affected by implementation of the proposed General Plan 2035; therefore, impacts are considered less than significant in this regard.

As described above, the MRZ-3a classification for aggregate resources represents an area that has the potential for mineral deposits, but no resources have been identified. Therefore, the proposed General Plan 2035 would not result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state. Conservation Element Goal CSV-6 and the associated policy is specific to the responsible management of mineral resources. As such, impacts are considered less than significant in this regard.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-6 Mineral resources are managed responsibly with minimal impact to surrounding areas.

Policies

CSV-6.1 Ensure compliance with City regulations that seek to prevent or minimize potentially adverse effects of mining, and provide for reclamation of mined lands.

Mitigation Measures: No mitigation measures beyond the goals and policies measures identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

MINERAL RESOURCE RECOVERY SITES

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN IMPACTS TO MINERAL RESOURCE RECOVERY SITES.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: The Murrieta *Development Code* provides for the regulation of any future mining operations by allowing mining within the General Industrial zoning district and providing guidelines for the review of surface mining permit applications, as authorized by SMARA. The *Development Code* includes provisions for the regulation of surface mining operations in order to prevent or minimize potentially adverse effects, and provides for reclamation of mined lands. The proposed General Plan 2035 is consistent with the Development Code provisions that ameliorate some of the adverse consequences of mining, should there be mining operations in the future.

Mineral resources have been identified within the City of Murrieta or the Sphere of Influence; however, no mineral resource recovery sites are known to exist in this area. Therefore, implementation of the proposed General Plan 2035 is not anticipated to result in impacts to mineral resource recovery sites. As such, impacts are considered less than significant in this regard.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.12.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.12.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENHERAL PLAN 2035 AND OTHER CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS TO UNKNOWN MINERAL RESOURCES.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Future development projects in the City of Murrieta, County of Riverside, and the region may impact mineral resources. However, as indicated above, no known mineral resources are located within the proposed General Plan 2035 land area. The land area is designated as MRZ-3, which indicates the potential for unknown mineral resources. Additionally, the potential exists for unidentified mineral deposits outside the City boundaries and Sphere of Influence; it is not known whether the General Plan Planning Area has large, valuable mineral and aggregate deposits. Development under the proposed General Plan 2035 would result in less than significant impacts to mineral resources. Additionally, the proposed General Plan 2035 is consistent with existing City policy allowing and regulating mines that may be developed to extract mineral resources. Therefore, implementation of the proposed General Plan 2035 would not contribute to any cumulative impacts to mineral resources. As such, impacts would be less than significant in this regard.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.12.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.12.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Mineral resources impacts associated with implementation of the proposed General Plan 2035 would be less than significant with compliance with and/or adherence to State and local regulations, and goal and policies in the proposed General Plan 2035. Therefore, no significant unavoidable mineral resources impacts would occur as a result of the proposed General Plan 2035.

5.12.7 SOURCES CITED

Mineral Land Classification of the Temescal Valley Area, Riverside County, California, Special Report 165, California Department of Conservation Division of Mines and Geology, 1991.

Riverside County Planning Department, "Permitted Surface Mines List," http://www.tlma.co.riverside.ca.us/planning/content/geninfo/surface_mine_list.aspx, accessed January 3, 2011.

Southern California Construction Aggregates Market Study, EnviroMINE, Inc., November 2007.

State of California Department of Conservation, Division of Oil, Gas and Geothermal Resources. ftp://ftp.consrv.ca.gov/pub/oil/maps . Accessed December 10, 2009.

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Murrieta
General Plan Update

Section 5.13:

Hydrology, Drainage, and Water Quality

5.13 HYDROLOGY, DRAINAGE, AND WATER QUALITY

This section describes the existing conditions related to hydrology, drainage, and water quality within the City of Murrieta. Hydrologic and drainage impacts that could result from implementation of the proposed General Plan 2035 are identified.

5.13.1 REGULATORY SETTING

FEDERAL

Clean Water Act

The Clean Water Act (CWA) is a Federal law intended to protect surface waters of the United States (U.S.), which include lakes, rivers, coastal wetlands, and "waters of the U.S." The CWA regulates all discharges to waters, which are considered illegal unless authorized by an appropriate permit. Discharge of dredged and fill materials, construction-related storm water discharges, and other activities that may result in discharges of pollutants to waters of the U.S. are regulated by the permit. If waters of the U.S. are located on a project site, the project is likely to discharge to them, due to site topography and/or drainage characteristics. Potential discharges to such waters would be considered an impact, and the applicant would be required to obtain a CWA Section 401 Water Quality Certification from the appropriate Regional Water Quality Control Board (RWQCB).

The CWA specifies that discharges to waters are illegal, unless authorized by an appropriate permit. The permits regulate the discharge of dredged and fill materials, construction-related storm water discharges, and activities that may result in discharges of pollutants to "waters of the U.S.". Section 404 of the CWA establishes a permit program for the discharge of dredge or fill materials into waters of the U.S. This permit program is administered by the U.S. Army Corps of Engineers (USACE). If waters of the U.S. are located on or downstream of a project site, the project may discharge to them, and if impacts on them are anticipated, the project must obtain a CWA Section 401 Water Quality Certification from the appropriate RWQCB. Section 402 of the CWA establishes the National Pollutant Discharge Elimination System (NPDES), a permitting system for the discharge of any pollutant (except for dredge or fill material) into waters of the U.S. This permitting program is administered by the RWQCBs. In addition, Section 303 and 304 of the CWA provide for water quality standards, criteria, and guidelines.

National Pollutant Discharge Elimination System (NPDES)

The National Pollutant Discharge Elimination System (NPDES) program is administered by the Environmental Protection Agency (U.S. EPA), which provides oversight in California to the Regional Water Quality Control Boards. The CWA established the NPDES permit system to regulate discharges to surface waters of the U.S. from municipal and industrial sources. The NPDES permit is required to identify limits on allowable concentrations and mass emissions of pollutants contained in discharges. General requirements regarding NPDES permits are given in Sections 401 and 402 of the CWA. Section 307 identifies certain criteria that the EPA must consider in establishing effluent limits for priority pollutants.

In 1987, the CWA was amended to require NPDES permits for non-point sources (i.e., stormwater) pollutants in discharges. The NPDES regulations are intended to improve stormwater quality discharged to receiving waters to the "maximum extent practicable" (MEP) through the implementation of structural and non-structural Best Management Practices (BMPs). BMPs may range from regulatory measures (local design requirements for drainage facilities); public policy measures (labeling of storm drain inlets to notify public of potential impacts on receiving waters caused by dumping); public education (educational campaigns or posted signage); and/or, structural measures (installation of grass swales or detention ponds).

The two basic types of NPDES permits issued are individual and general permits. An individual permit is a permit specifically tailored to an individual facility. Once a facility submits the appropriate application(s), the permitting authority develops a permit for that particular facility based on the information contained in the permit application (e.g., type of activity, nature of discharge, receiving water quality). The authority issues the permit to the facility for a specific time period (not to exceed five years) with a requirement that the facility reapply prior to the expiration date.

A general permit covers multiple facilities within a specific category. General permits may offer a cost-effective option for permitting agencies because of the large number of facilities that can be covered under a single permit. General permits may be written to cover categories of point sources having common elements, such as: 1) storm water point sources; 2) facilities that involve the same or substantially similar types of operations;, 3) facilities that discharge the same types of wastes or engage in the same types of sludge use or disposal practices; 4) facilities that require the same effluent limits, operating conditions, or standards for sewage sludge use or disposal; and 5) facilities that require the same or similar monitoring.

General permits, however, may only be issued to dischargers within a specific geographical area such as city, county, or state political boundaries; designated planning areas; sewer districts or sewer authorities; state highway systems; standard metropolitan statistical areas; or urbanized areas. By issuing general permits, the permitting authority allocates resources in a more efficient manner to provide more timely permit coverage. For example, a large number of facilities that have certain elements in common may be covered under a general permit without expending the

time and money necessary to issue an individual permit to each of these facilities. In addition, using a general permit ensures consistency of permit conditions for similar facilities.

Federal Emergency Management Agency (FEMA)

On March 1, 2003, the Federal Emergency Management Agency (FEMA) became part of the U.S. Department of Homeland Security (DHS). FEMA's primary mission is to reduce the loss of life and property and protect the Nation from all hazards, including flooding, among others. The Federal Emergency Management Agency (FEMA) performs the following: advises on building codes and flood plain management; teaches people how to get through a disaster; helps equip local and state emergency preparedness; coordinates the federal response to a disaster; makes disaster assistance available to states, communities, businesses and individuals; trains emergency managers; supports the nation's fire service; and administers the national flood and crime insurance programs.[1]

Flood is a general and temporary condition of partial or complete inundation of two or more acres of normally dry land area or of two or more properties. The term "100-year flood" is defined by FEMA, as the flood elevation that has a one percent chance of being equaled or exceeded each year. A "500-year flood" is one which has a 0.2 percent chance of occurring each year. A 500-year flood event would be slightly deeper and cover a greater area than a 100-year flood event.

Flood zones are geographic areas that FEMA defines, based on studies of flood risk. The zone boundaries are shown on flood hazard maps, also called Flood Insurance Rate Maps (FIRM). High Risk Zones or Special Flood Hazard Areas (Zone A) are high-risk flood areas where special flood, mudflow, or flood-related erosion hazards exist and flood insurance is mandatory. Low-to-Moderate Risk Zones or Non-Special Flood Hazard Areas (Zones B, C, X) are areas that are not in any immediate danger from flooding caused by overflowing rivers or hard rains. Insurance purchase is not required in these zones.

FEMA is responsible for administering the National Flood Insurance Program (NFIP), which enables property owners in participating communities to purchase insurance as protection against flood losses in exchange for State and community floodplain management regulations that reduce future flood damages. In communities that participate in the NFIP, mandatory flood insurance purchase requirements apply to all Zones A, which are communities subject to a 100-year flood event. In addition to providing flood insurance and reducing flood damages through floodplain management regulations, the NFIP identifies and maps the Nation's floodplains on Flood Insurance Rate Maps (FIRM).

FEMA is mandated by the Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973 to evaluate flood hazards and provide FIRMs for local and regional planners to further promote safe floodplain development. Flood risk data presented on FIRMs are based on historic,

[1] FEMA website, http://www.fema.gov/about/what.shtm, accessed November 17, 2009.

hydrologic, hydraulic, and meteorological data, as well as flood control works, open-space conditions, and development. To prepare a FIRM that illustrates the extent of flood hazards in flood-prone communities, FEMA conducts an engineering study referred to as Flood Insurance Study (FIS). Using information collected in these studies, FEMA engineers and cartographers delineate Special Flood Hazard Areas (SFHAs) on FIRMs. SFHAs are those areas subject to inundation by a flood that has a 1-percent or greater change of being equaled or exceeded during any given year, referred to as a base or 100-year flood.[2]

STATE

Porter-Cologne Water Quality Control Act

The Porter-Cologne Water Quality Control Act acts in cooperation with the CWA to establish the State Water Resources Control Board (SWRCB). The SWRCB is divided into nine regions, each overseen by a RWQCB. The SWRCB, and thus each RWQCB, is responsible for protecting California's surface waters and groundwater supplies.

The Porter-Cologne Water Quality Control Act develops Basin Plans that designate the beneficial uses of California's rivers and groundwater basins. The Basin Plans also establish narrative and numerical water quality objectives for those waters. Basin Plans are updated every three years and provide the basis of determining waste discharge requirements, taking enforcement actions, and evaluating clean water grant proposals. The Porter-Cologne Water Quality Control Act is also responsible for implementing CWA Sections 401-402 and 303(d) to SWRCB and RWQCBs.

State Water Resources Control Board and Regional Water Quality Control Board

The State Water Resource Control Board (SWRCB) administers water rights, water pollution control, and water quality functions throughout the State, while the Regional Water Quality Control Boards (RWQCB) conduct planning, permitting and enforcement activities.

While the U.S. EPA allows two permitting options to meet NPDES requirements (individual permits and general permits), the SWRCB has elected to adopt one statewide General Permit for Discharges of Storm Water Associated with Construction Activity (Construction General Permit, 99-08-DWQ) for California that applies to all construction-related storm water discharges, except for those on tribal lands in the Lake Tahoe Hydrologic Unit and those performed by the Department of Transportation (Caltrans).

[2] *Natural Hazard Mapping, Analysis, and Mitigation: a Technical Background Report in Support of the Safety Element of the New Riverside County 2000 General Plan*, Earth Consultants International, August 1, 2000.

Portions of the City of Murrieta are located within the jurisdiction of the San Diego RWQCB (Region 9) and the Santa Ana RWQCB (Region 8).

The Municipal Storm Water Permitting Program regulates storm water discharges from municipal separate storm sewer systems (MS4s). MS4 permits were issued in two phases: Under Phase I, for medium (serving between 100,000 and 250,000 people) and large (serving 250,000 people) municipalities, and Phase II, for smaller municipalities. Under Phase I, the RWQCB have adopted NPDES storm water permits for medium and large municipalities, most of which are issued to a group of co-permitees encompassing an entire metropolitan area. The MS4 permits require the discharger to develop and implement a Storm Water Management Plan/Program with the goal of reducing the discharge of pollutants to the maximum extent practicable (MEP). MEP is the performance standard specified in Section 402(p) of the Clean Water Act. The management programs specify what BMPs would be used to address certain program areas.

On January 29, 2010, the Santa Ana RWQCB adopted Order No. R8-2010-0333, which is the forth iteration of the storm water permit for municipal separate storm municipal separate storm sewer systems (MS4s) in the Riverside County portion of the San Ana Region. Murrieta is a co-permittee under Order No. R8-2010-0333. The permit is good until January 29, 2015. The first permit was adopted in 1990. In 1996, the Santa Ana RWQCB adopted the second term MS4 permit. In 2002, the Santa Ana RWQCB adopted the third term MS4 permit.

On September 28, 2010, the Santa Ana RWQCB issued a revision to Order No. R8-2010-0033 for the Cities of Murrieta, Menifee, and Wildomar. The Santa Ana RWQCB provided written agreement pursuant to California Water Code Section 13223(a) to designate the San Diego RWQCB as the regulator of the Cities of Murrieta and Wildomar, including those portions of each city that fall within Region 8's geographic jurisdiction, for municipal separate storm sewer system (MS4) permit purposes, and to further constitute the Santa Ana RWQCB's written agreement to accept designation from the San Diego RWQCB to regulate the City of Menifee within Region 9's geographic jurisdiction for MS4 permit purposes under Order No. R8-2010-0033.

On November 10, 2010, the San Diego RWQCB adopted Order No. R9-2010-0016, which is the fourth iteration of the storm water permit for the municipal separate storm sewer systems (MS4s) in the Riverside County portion of the San Diego Region. The first permit was adopted in 1990. The San Diego Water Board adopted the second iteration of the permit in 1998. The U.S.EPA objected to the 1998 permit and reissued the permit in 1999. In 2000, the San Diego Water Board issued an addendum to the 1998 permit and incorporated the U.S. EPA's permit by reference. The San Diego RWQCB reissued the third iteration of the permit in 2004.

The City of Murrieta implements MS4 permits in Region 9 and Total Daily Maximum Loads (TDML) in Region 8.

State Regional Water Quality Control Board Stormwater General Construction Permit

In 1999, the SWRCB adopted Order No. 99-08-DWQ, NPDES General Permit No. CAS000002, Waste Discharge Requirements (WDR) for Discharges of Stormwater Runoff Associated with Construction Activity (General Construction Permit). This permit was subsequently amended to include smaller construction sites. The General Construction Permit requires that construction sites with 1.0 acre or greater of soil disturbance or less than 1.0 acre, but part of a greater common plan of development, apply for coverage for discharges under the General Construction Permit by submitting a Notice of Intent (NOI) for coverage, developing a Stormwater Pollution Prevention Plan (SWPPP), and implementing Best Management Practices (BMPs) to address construction site pollutants.

REGIONAL

Water Quality Control Plan

The City and the Sphere of Influence are located within the San Diego Basin (Region 9) and the Santa Ana Region (Region 8), which is governed by the California Water Quality Control Board.

Both the San Diego and the Santa Ana RWQCBs' Basin Plans are designed to preserve and enhance water quality within the Basin and to protect the beneficial uses of all regional waters. The Basin Plan: (1) designates beneficial uses for surface and ground waters; (2) establishes narrative and numerical objectives to be achieved and/or maintained in order to protect designated beneficial uses and to conform to California's anti-degradation policy; (3) describes implementation measures for the protection of the beneficial uses of all waters in the region; and, (4) identifies surveillance and monitoring activities to evaluate the effectiveness of the Basin Plan [*California Water Code* Sections 13240 thru 13244, and Section 13050(j)]. The Basin Plan is consistent with all applicable State and Regional Board plans and policies.

The goal for both the San Diego and Santa Ana RWQCB is to balance water demand for water of varying quality within the Basin by competing uses of surface and ground waters. The Basin Plan establishes or designates beneficial uses and water quality objectives for all groundwater and surface waters within the Region. Beneficial uses are "the uses of water necessary for the survival and well being of man, plants and wildlife," and "serve to promote the tangible and intangible economic, social, and environmental goals of mankind."[3] The Basin Plan establishes a program to identify measures for implementation by the Regional Board and others, as appropriate, in order to achieve and maintain the designated beneficial uses and water quality objectives of the Region's ground and surface waters.

[3] *Water Quality Control Plan for the San Diego Basin (9)*. September 8, 1994, with amendments effective prior to April 25, 2007.

Riverside County Drainage Area Master Plan (DAMP)

The purpose of the Riverside County Drainage Area Management Plan (DAMP) or Water Quality Master Plan (WQMP) has been developed to further address post-construction Urban Runoff from new development and significant redevelopment projects under the jurisdiction of the co-permitees. The DAMP is intended to provide guidelines for project-specific post-construction Best Management Practices (BMPs) and for regional and sub-regional Source Control BMPs and Structural BMPs to address management of Urban Runoff quantity and quality to protect Receiving Waters. The WQMP identifies the BMPs, including design criteria for Treatment Control BMPs that may be applicable when considering any map or permit for which discretionary approval is sought. Examples may include tentative tract maps, parcel maps with land disturbing activity, discretionary grading permits where the project is not part of a master plan of development and conditional use permits[4].

The Riverside County Water Quality Management Plan (WQMP) for Urban Runoff addresses post-construction urban runoff from new development and redevelopment projects within the Santa Margarita River Region. The WQMP provides guidelines for the management of urban runoff quantity and quality and the protection of receiving waters through identification and implementation of source control and structural BMPs on a regional and subregional level. Design criteria for treatment control BMPs are also given for application on a project-level basis to minimize potential impacts of urban runoff.

Final Integrated Regional Water Management Plan for the Upper Santa Margarita Watershed Planning Region

The Final Integrated Regional Water Management Plan (IRWMP) for the Upper Santa Margarita Planning Region is a planning and management tool to facilitate efficient use of water resources and to develop effective water conservation measures, using a regional and watershed based approach. The intent of the IRWMP is to enable greater watershed-wide coordination and management of water resources within the Santa Margarita Watershed as a whole, as well as adjoining watershed and regional planning and funding efforts. Through the IRWMP, regional water agencies, flood control districts, counties, cities, Federal, State and local agencies, and other stakeholder groups actively collaborate across jurisdictional boundaries to implement water resource management projects. The IRWMP also provides opportunities to identify and evaluate information on present and future needs within the watershed for consideration in the California Water Plan.

Development of the IRWMP for the Upper Santa Margarita Watershed represents a cooperative effort on the part of three agencies that have authority for planning and implementation of water management strategies within the watershed:

[4] Riverside County WQMP, Santa Ana River Region, Santa Margarita River Region, July 24, 2006, errata corrected January 22, 2009.

- Rancho California Water District (RCWD)
- Riverside County Flood Control and Water Conservation District (RCFC)
- County of Riverside

Riverside County Flood Control and Water Conservation District

The Riverside County Flood Control and Water Conservation District (RCFCWCD) was created on July 7, 1945 by an Act of the California State Legislature to control the flooding in Riverside County. The District is located in the western portion of Riverside County and extends easterly to the Palm Springs and Desert Hot Springs area. By establishing the District, the Legislature created an entity charged with keeping County residents safe from flood hazards and established an independent funding source for the projects needing funding. Before the District's inception, severe flooding occurred throughout the County during winter rains and monsoon seasons. Today, through effective engineering, channel and dam construction, regulation, and public education, massive flooding is less common.

LOCAL

City of Murrieta Stormwater Management Plan (SWMP)

The City of Murrieta Storm Water Management Plan (SWMP) describes urban runoff management programs and activities to be implemented in order to ensure compliance with requirements of the municipal separate storm sewer system (MS4) Permit issued to the Riverside County Permittees by the San Diego RWQCB (Region 9) in 2010. The SWMP describes measures to be implemented to achieve compliance with the MS4 Permit and to reduce pollutants in urban runoff to the maximum extent practicable. The SWMP provides details of the programs described in the Riverside County Drainage Area Management Plan (DAMP), which identifies the overall urban runoff management strategies being implemented, or planned to be implemented, by the Permittees in the Santa Ana and Santa Margarita Regions of Riverside County.

Urban storm water runoff is defined in the Permit as including storm water runoff, dry weather surface runoff, wash water related to street cleaning or maintenance, infiltration, and drainage related to storm events. The Permit regulates the discharge of all wet and dry weather urban storm water runoff and requires the City to implement BMPs to reduce pollutants in storm water. The BMPs may include, but are not limited to: (1) public educational programs on the impacts of potentially harmful chemicals dumped into storm water drainage systems; (2) implementing landscape maintenance measures including minimization of the use of fertilizers and pesticides and training of personnel to properly implement BMPs and recognize prohibited discharges into the storm drain system; and (3) implementing good housekeeping principles for the clean up and proper handling and storage of potential contaminants in the maintenance and repair of vehicles and equipment.

Murrieta Municipal Code – Construction Dewatering

Section 8.36.230B, NPDES Permit for Industrial, Construction, and Dewatering Activities, of the *Municipal Code* states that "Any person associated with industrial, construction, dewatering or other activities and discharges subject to any NPDES permit issued by the U.S. EPA, the SWRCB, or the San Diego RWQCB, shall comply with all requirements of such permits. Such dischargers shall specifically comply with the requirements outlined in the respective State General Permits. Proof of compliance with said NPDES general permits may be required in a form acceptable to the City Engineer, prior to issuance of any City grading, building, or occupancy permits

Murrieta Municipal Code – Landscaping Standards and Water Efficient Landscaping

Chapter 16.28 of the *Municipal Code* identifies nine objectives related to developing landscape standards and the installation of water efficient landscaping. Four of those objectives include: 1) promote water efficient landscaping, water use management, and water conservation through the use of water efficient landscaping, wise use of turf areas and appropriate use of irrigation technology and management; 2) eliminate water waste from overspray and/or runoff, 3) achieve water conservation by raising the public awareness of the need for an effective management program through education and incentives, and 4) assure the attainment of water-efficient landscape goals by requiring that landscapes not exceed a maximum water demand of seventy percent (70%) of its reference evapotranspiration (ETo).

Murrieta Municipal Code – Flood Damage Prevention Regulations

The City of Murrieta's regulations with respect to flood damage prevention are included in Chapter 15.56, Flood Damage Prevention Regulations of the *Municipal Code*. The purpose of this chapter is to promote the public health, safety, and general welfare, and to minimize public and private losses due to flood conditions in specific areas.

Section 15.56.040, *Methods of reducing flood losses*, includes the following provisions:

A. *Restricting or prohibiting uses which are dangerous to health, safety, and property due to water or erosion hazards, or which result in damaging increases in erosion or flood heights or velocities;*

B. *Requiring that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction;*

C. *Controlling the alteration of natural floodplains, stream channels, and natural protective barriers, which help accommodate or channel flood water;*

D. *Controlling fill, grading, dredging, and other development which may increase flood damage; and*

E. Preventing or regulating the construction of flood barriers which will unnaturally divert flood waters or which may increase flood hazards in other areas.

Section 15.56.070, *General provisions – Basis for establishing the areas of special flood hazard*, states the following:

The areas of special flood hazard identified by the Federal Insurance Administration (FIA) of the Federal Emergency Management Agency (FEMA) in the flood insurance rate maps (FIRM), dated September 30, 1988, and all subsequent amendments and/or revisions, are hereby adopted by reference and declared to be a part of this chapter. This Flood Insurance Study (FIS) and attendant mapping is the minimum area of applicability of this chapter and may be supplemented by studies for other areas which allow implementation of this chapter and which are recommended to the city by the Floodplain Administrator. The study and Flood Insurance Rate Maps (FIRM) are on file at Murrieta City Hall.

Section 15.56.120, *Administration – Establishment of development permit*, states the following:

A. A development permit shall be obtained before any construction or other development begins within any area of special flood hazard, areas of flood-related erosion hazard or areas of mudslide (i.e., mudflow) established in Section 15.56.070. Application for a development permit shall be made on forms furnished by the city and may include, but not be limited to: plans in duplicate drawn to scale showing the nature, location, dimensions, and elevation of the area in question; existing or proposed structures, fill, storage of materials, drainage facilities; and the location of the foregoing.

Murrieta Capital Improvements Plan

The City of Murrieta annually adopts a Capital Improvement Plan (CIP) through the City budget planning process for each fiscal year. The CIP details those projects and their funding sources that guide the infrastructure, parks, and buildings development for the City of Murrieta. The CIP is a five-year plan and many of the larger projects take multiple years to accomplish. In response to changes in need, safety and traffic concerns, as well as new development, the CIP is a dynamic document and is revised each year to address the current needs and concerns. A portion of the CIP budget is dedicated to storm drain improvements within the City. The City's annual budget includes expenses to maintain drainage facilities.

5.13.2 ENVIRONMENTAL SETTING

HYDROLOGY

Watershed

The City and the Sphere of Influence are located within the inland portion of the Santa Margarita River Basin, which is comprised of approximately 750 square miles. Murrieta Creek and Temecula Creek collect water from the upper watershed and represent the main tributaries to the Santa Margarita River. Western portions of the City are within the southern portion of the Santa Ana River Basin. The regional boundary for the two basins divides the Santa Margarita River drainage area from that of the San Jacinto River, which normally terminates in Lake Elsinore.

Within the Santa Margarita Watershed, constituents of concern include nitrate (surface and groundwater), sediment, indicator bacteria, and total dissolved solids (TDS) in groundwater. Specific activities or uses affecting the quality of surface water include agricultural activities, orchards, livestock, domestic animals, septic systems, use of recycled water, and urban runoff.

Murrieta Creek generally runs through the Murrieta Valley, slowing southwesterly through the older areas of the City between Interstate 15 and the base of the Santa Rosa Plateau. Murrieta Creek generally runs from the northern limits of Murrieta to the southern City limit near Cherry Street, along the Rancho Temecula Line. Murrieta Creek joins with Temecula Creek near Temecula Canyon, southwest of Temecula, to form the Santa Margarita River. From this point, the Santa Margarita River flows to the Pacific Ocean.

Murrieta Creek extends approximately 14 miles and drains an area approximately 220 square miles, or 37 percent of the upper watershed.[5] Stream courses occur intermittently throughout the area and transport seasonal runoff from area slopes and valleys to the Creek. Major tributaries to the Creek include Santa Getrudis Creek, Tucalota Creek, and Warm Springs Creek. Storm water runoff represents the primary source of surface water within the Murrieta Creek Basin. Additional sources of surface water include groundwater from springs, runoff from agricultural uses, and snowmelt. Streamflow within the Murrieta Creek Basin is generally ephemeral, although various sections occur where streamflow is perennial flow with visible standing or flowing waters; however, stream flow within the Creek is highly variable, both on a seasonal and annual basis.

Surface water quality within Murrieta Creek is generally good; however, high concentrations of TDS occur intermittently during times of low flow. Occasional exceedances of nitrate and phosphate levels also occur. Murrieta Creek is also listed as impaired under the 303(d) list for iron, manganese, nitrogen, and phosphorous. Beneficial uses for Murrieta Creek and Warm

[5] City of Murrieta 1994 General Plan Technical Reports – Chapter V. Conservation/Open Space.

Springs Creek are identified as agricultural supply, industrial process and service supply, recreation, warm freshwater habitat, and wildlife habitat.

Warm Springs Creek extends approximately 21 miles and drains extensive valley and upland areas. The Creek generally flows southwest from its headwaters in the Domenigoni Valley, through the Murrieta Hot Springs area, to its confluence with Murrieta Creek in the southern portion of the City. The Creek is generally without improvements, with exception of the Warm Springs Channel which runs from Murrieta Creek to Interstate 15 (I-15).

In addition, Diamond Valley Lake, operated by the Metropolitan Water District of Southern California (MWD), is a reservoir located at the northernmost portion of the Santa Margarita Watershed. The MWD also operates a reservoir located at Lake Skinner, located approximately seven miles to the northeast of Murrieta. Lake Skinner Reservoir provides storage for imported water at a capacity of approximately 44,000 acre-feet. The Diamond Valley Lake, constructed in the Domenigoni Valley approximately four miles southwest of the City of Hemet, provides an additional 810,000 acre-feet of water storage.[6]

Physical Characteristics of Surface Water Quality

The amount of pollutants in surface runoff is determined by the quantity of a material in the environment and its characteristics. In an urban environment, the quantity of certain pollutants in storm water systems is generally associated with the intensity of the land use. For instance, a high volume of automobile traffic makes a number of potential pollutants (such as lead and hydrocarbons) more available. The availability of a material, such as a fertilizer, is a function of the quantity and the manner in which it is applied. Applying fertilizer in quantities that exceed plant needs leaves the excess nutrients available for loss to surface or groundwater.

The physical properties and chemical constituents of water have traditionally served as the means for monitoring and evaluating water quality. Evaluating the condition of water through a water quality standard refers to its physical, chemical, or biological characteristics. Water quality parameters for storm water make up a long list and are classified in many ways. In many cases, the concentration of an urban pollutant, rather than the annual load of that pollutant, is needed to assess a water quality problem. Some of the physical, chemical or biological characteristics that evaluate the quality of the surface runoff are outlined below:

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[6] Metropolitan Water District of Southern California. http://www.mwdh2o.com/index.htm. Accessed January 8, 2010.

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DISSOLVED OXYGEN (DO)

DO in the water has a pronounced effect on the aquatic organisms and the chemical reactions that occur. It is one of the most important biological water quality characteristics in the aquatic environment. The DO concentration of a water body is determined by the solubility of oxygen, which is inversely related to water temperature, pressure, and biological activity. Dissolved oxygen is a transient property that can fluctuate rapidly in time and space. Dissolved oxygen represents the status of the water system at a particular point and time of sampling. The decomposition of organic debris in water is a slow process and the resulting changes in oxygen status respond slowly also. The oxygen demand is an indication of the pollutant load and includes measurements of Biochemical Oxygen Demand (BOD) or Chemical Oxygen Demand (COD).

BIOCHEMICAL OXYGEN DEMAND (BOD)

The BOD is an index of the oxygen-demanding properties of the biodegradable material in the water. Samples are taken from the field and incubated in the laboratory at 20oC, after which the residual DO is measured. The BOD value commonly referenced is the standard five-day values. These values are useful in assessing stream pollution loads and for comparison purposes.

CHEMICAL OXYGEN DEMAND (COD)

The COD is a measure of the pollutant loading in terms of complete chemical oxidation using strong oxidizing agents. It can be determined quickly because it does not rely on bacteriological actions as with BOD. COD does not necessarily provide a good index of oxygen demanding properties in natural waters.

TOTAL DISSOLVED SOLIDS (TDS)

TDS concentration is determined by evaporation of a filtered sample to obtain residue whose weight is divided by the sample volume. The TDS of natural waters varies widely. There are several reasons why TDS are an important indicator of water quality. Dissolved solids affect the ionic bonding strength related to other pollutants such as metals in the water. TDS are also a

major determinant of aquatic habitat. TDS affects saturation concentration of dissolved oxygen and influence the ability of a water body to assimilate wastes.

pH

The pH of water is the negative log, base 10, 10, of the hydrogen ion (H+) activity. A pH of seven is neutral; a pH greater than seven indicates alkaline water; a pH less than seven represents acidic water. In natural water, carbon dioxide reactions are some of the most important in establishing pH. The pH at any one time is an indication of the balance of chemical equilibrium in water and affects the availability of certain chemicals or nutrients in water for uptake by plants. The pH of water directly affects fish and other aquatic life and generally toxic limits are pH values less than 4.8 and greater than 9.2.

ALKALINITY

Alkalinity is the opposite of acidity, representing the capacity of water to neutralize acid. Alkalinity is also linked to pH and is caused by the presence of carbonate, bicarbonate, and hydroxide, which are formed when carbon dioxide is dissolved. A high alkalinity is associated with a high pH and excessive solids. Most streams have alkalinities less than 200 mg/l and ranges of alkalinity of 100-200mg/l seem to support well-diversified aquatic life.

Specific Conductance. The specific conductivity of water, or its ability to conduct an electric current, is related to the total dissolved ionic solids. Long-term monitoring of a project's waters can develop a relationship between specific conductivity and TDS. Its measurement is quick and inexpensive and can be used to approximate TDS. Specific conductivities in excess of 2,000 micro-ohms per centimeter (µohms/cm) indicate a TDS level too high for most freshwater fish.

TURBIDITY

The clarity of water is an important indicator of water quality that relates to the ability of photosynthetic light to penetrate. Turbidity is an indicator of the property of water that causes light to become scattered or absorbed. Turbidity is caused by suspended clays and other organic particles. It can be used as an indicator of certain water quality constituents such as predicting the sediment concentrations.

NITROGEN (N)

Sources of nitrogen in storm water are from the additions of organic matter or chemical additions to water bodies. Ammonia and nitrate are important nutrients for the growth of algae and other plants. Excessive nitrogen can lead to eutrophication since nitrification consumes DO in the water. Organic nitrogen breaks down into ammonia, which eventually becomes oxidized to nitrate-nitrogen (N/N), a form available for plants. High concentrations of N/N in water can stimulate growth of algae and other aquatic plants, but if phosphorus (P) is present, only about 0.30 mg/l of N/N is needed for algal blooms. Some fish life can be affected when N/N exceeds

4.2 mg/l. There are a number of ways to measure the various forms of aquatic nitrogen. Typical measurements of nitrogen include Kjeldahl nitrogen (organic nitrogen plus ammonia); ammonia; nitrite plus nitrate; nitrite; and, nitrogen in plants. The principal water quality criteria for nitrogen focuses on nitrate and ammonia.

PHOSPHORUS (P)

Phosphorus is an important component of organic matter. In many water bodies, phosphorus is the limiting nutrient that prevents additional biological activity from occurring. The origin of this constituent in urban storm water discharge is generally from fertilizers and other industrial products. Orthophosphate is soluble and is considered to be the only biologically available form of phosphorus. Since phosphorus strongly associates with solid particles and is a significant part of organic material, sediments influence concentration in water and are an important component of the phosphorus cycle in streams. The primary methods of measurement include detecting orthophosphate and total phosphorus.

Groundwater

BASINS

Major groundwater basins underlying the City and the Sphere of Influence include the Murrieta-Temecula Basin and the French Basin. The Murrieta-Temecula Basin is the largest groundwater basin in the hydrologic unit assigned to the area drained by the Santa Margarita River. The Murrieta-Temecula Basin underlies approximately 60,000 acres and has an estimated storage capacity of 1.2 million acre-feet.[7] The Basin extends from the Murrieta graben in the north to the base of the Aqua Tibia Mountains in the south, and east from the Santa Rosa Plateau to the mesa and valley areas. The Basin underlies all of portions of the Murrieta Creek channel, Warm Springs Creek, Pechanga, and Temecula Creeks, which serve as important sources of groundwater recharge for the underlying aquifers. Water flows from the Basin to the Lake Elsinore area in the northwest and to the Santa Margarita River to the southwest. Many wells extracting groundwater from this Basin are present within the Murrieta area.

In addition, from the northeast, the French Basin extends into the City and the Sphere of Influence, and is recharged by underflow from Auld Basin and other surface streams. The Basin underlies approximately 3,500 acres and discharges to Warm Springs Creek.

Groundwater quality varies within the Murrieta and French Basins. In general, water that is extracted at higher elevations and from deeper unconfined aquifers is typically of higher quality.

Quaternary alluvium is estimated to exceed 2,500 feet in thickness and is the water-bearing material within the Basin. Groundwater is generally unconfined. In addition, Holocene alluvial deposits consist of unconsolidated gravel, sand, silt, and clay that generally range from 100 to

[7] City of Murrieta 1994 General Plan Technical Reports – Chapter V. Conservation/Open Space.

125 feet in thickness (DWR 1956), but reach up to 200 feet in thickness in some areas (DWR 1967). The Pleistocene age Temecula Arkose, an alluvial deposit composed of arkosic sand with some marl, tuff, and silt, is present and is at least 1,400 feet thick (DWR 1967). Groundwater is also extracted from residuum and fractured rocks that occur within the underlying aquifer.

LEVELS

Groundwater within the City and the Sphere of Influence generally flows to the southeast under Murrieta and Temecula Valleys to the southwestern part of the Basin. In the central portion, measurements have indicated that the water level in one well rose approximately 12 feet from 1990 through 1993. In the southwestern portion, the water level in one well was recorded to have declined approximately 60 feet from 1980 to 1993, recovered approximately 50 feet during 1993, and then declined again approximately 15 feet from 1994 through 2000. The hydrograph of a third measured well in the southwestern portion has also indicated varied seasonal variations in water levels.[8] In the southwestern portion of the City and the Sphere of Influence, areas of shallow groundwater occur, where levels have historically reached between 10 to 30 feet below the ground surface (bgs).

RECHARGE

Groundwater recharge generally occurs via natural percolation from rainfall or surface water bodies, or from the application of reclaimed, imported, and flood waters to recharge areas. Recharge of the local aquifer system generally occurs along active river and stream channels where sand and gravel deposits exist. Sources of recharge within the General Plan Planning Area include inflow of groundwater generally from the northeast; subsurface recharge from fractured geologic formations to the east; deep percolation from applied surface water; precipitation on open space areas; and, small streams. Natural recharge of the underlying alluvium occurs from direct precipitation and percolation in the Warm Springs, Tucalota, Santa Gertrudis, Murrieta, and Pechanga Creeks, as well as the Temecula River.[9]

Groundwater surface elevations may change with groundwater recharge, discharge, and/or extraction rates. Natural recharge may occur at locations where a hydraulic connection occurs between existing surface rivers or streams and the underlying aquifer. As such, the slope or gradient of the groundwater surface may be influenced where a hydraulic connection exists. A higher recharge rate from surface water into the aquifer would result where a steeper gradient away from the stream occurs.

Where no hydraulic connection occurs between a stream and the groundwater surface, the rate of recharge from streams is generally unaffected by changes in groundwater elevations or gradients, particularly in smaller streams where the groundwater surface is located far below the streambed

[8] California Department of Water Resources, *California's Groundwater Bulletin 118, Temecula Valley Groundwater Basin*, Updated February 27, 2004.

[9] California Department of Water Resources, *California's Groundwater Bulletin 118, Temecula Valley Groundwater Basin*, Updated February 27, 2004.

and surface water instead percolates through the unsaturated zone to the groundwater. Percolation is influenced by the aquifer materials underlying the streambed, as well as water level in the surface stream. Infiltration rates under such conditions are not controlled or influenced by elevation changes in the underlying groundwater.

QUALITY

Groundwater in the basins of the San Diego subregion has mainly calcium and sodium cations and bicarbonate and sulfate anions. Local impairments by nitrate, sulfate, and TDS are present.[10] Groundwater in the City and the Sphere of Influence is largely sodium bicarbonate in character. Sodium-calcium bicarbonate, sodium-calcium sulfate, calcium bicarbonate, and sodium chloride waters are also present. TDS concentration ranged from 220 to 984 milligrams per liter (mg/L) in 1956; however, water samples taken from 50 public supply wells indicated a range from 240 to 1,500 mg/L (average of 476 mg/L). Such groundwater supplies are largely suitable for domestic and irrigation uses; however, groundwater is generally rated inferior for domestic use locally near Murrieta and Murrieta Hot Springs, due to high nitrate or fluoride content. In addition, groundwater is rated marginal to inferior for irrigation use locally near Murrieta Hot Springs, because of chloride content and percent sodium. Sulfate, chloride, magnesium, and nitrate concentrations are locally high for domestic use; TDS content is also locally high for domestic and irrigation use.[11]

Urban Runoff

A number of physical conditions may influence the overall quantity and quality of storm water runoff in urban areas, including the amount and frequency of rainfall, underlying surface features (i.e., paved vs. natural or pervious surfaces), land use (i.e., residential vs. industrial), and vehicular travel.

Precipitation within the City and the Sphere of Influence generally occurs in the form of rain, with some low-lying areas experiencing occasional frost in the winter and rare occurrences of snow or hail. The majority of rainfall typically occurs during the months of December through March, averaging approximately 2.22 inches, with an average of 0.3 inches falling over the drier months of April through November. Data collected for the year 2009 indicate a low of 0.04 inches of rainfall during the months of both June and July; with a high of approximately 2.86 inches during the month of February (Sun City Weather Station located approximately 11.1 miles from Murrieta Hot Springs).

Stormwater drainage infrastructure within the City of Murrieta consists of a network of natural and improved streams, storm channels, storm drains, and catch basins. These facilities and their

[10] California Department of Water Resources, *California's Groundwater Bulletin 118*, October 2003, page 150.

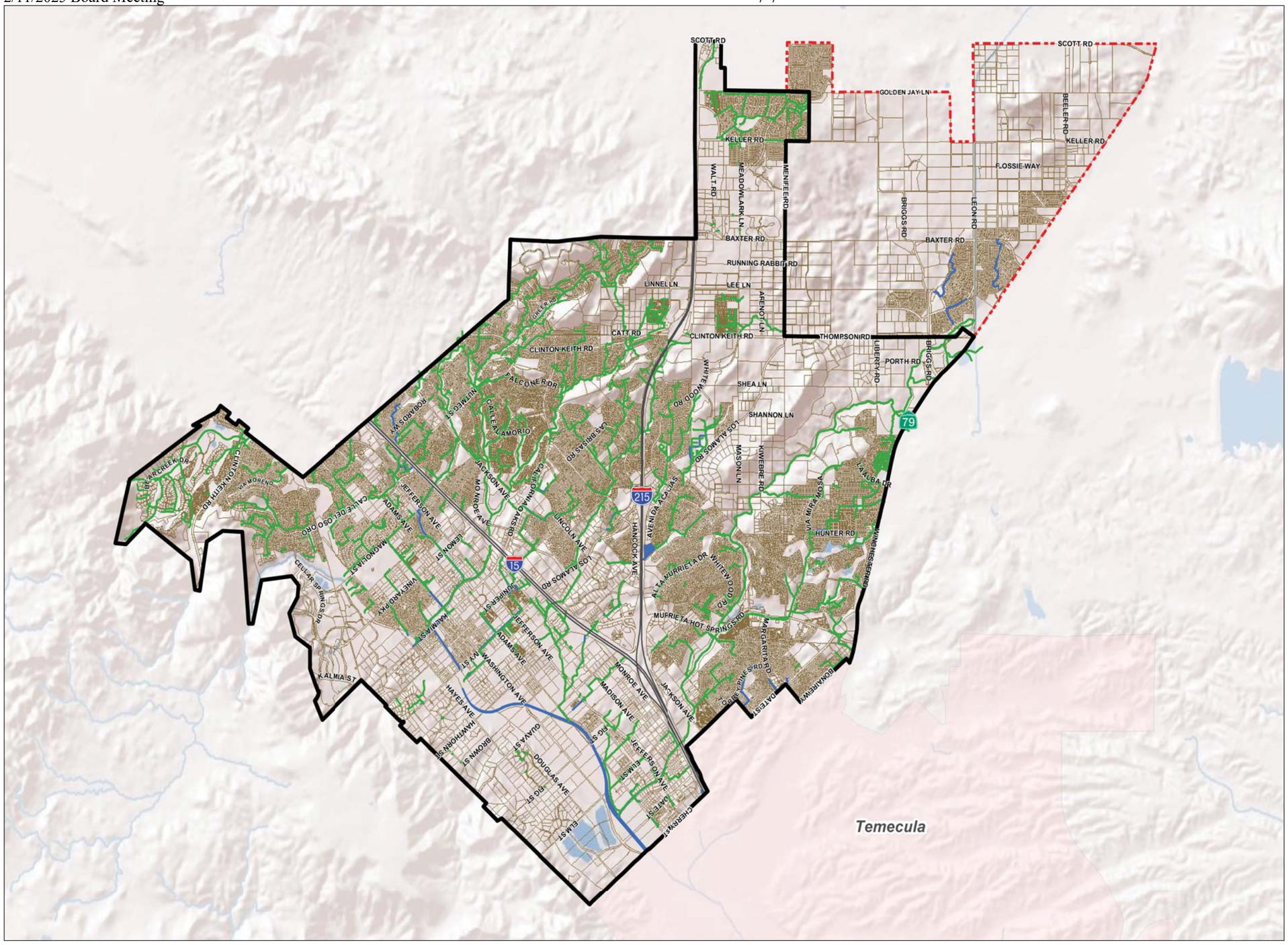
[11] California Department of Water Resources, *California's Groundwater Bulletin 118, Temecula Valley Groundwater Basin*, Updated February 27, 2004.

necessary maintenance are provided by the Riverside County Flood Control and Water Conservation District (RCFCWCD) and the City. Regional master planned facilities (over 36 inches in diameter) are owned and maintained by the RCFCWCD, and all non-master planned facilities smaller than 36 inches in diameter are maintained by the City.

The following facilities have been constructed pursuant to the Murrieta Creek Area Drainage Plan.

- Line G is constructed as a concrete lined trapezoidal channel and has adequate capacity to convey a 100-year flood. The line extends from Interstate 15 to Murrieta Creek.
- Line F is designed to help relieve flooding in Old Town Murrieta. Line F follows an alignment roughly parallel to Ivy Street between Interstate 15 and Murrieta Creek.
- Lines E and E-2 were constructed to intercept flows from Ivy street and discharge into Murrieta Creek.
- Line F-1 is designed to help relieve flooding in the floodplain area upstream of Kalmia Street. Line F-1 follows an alignment parallel to Adams Avenue, curving through the intersection of Magnolia and Jefferson Avenue finally terminating at Interstate 15. Line F-1 adequately conveys the 100-year storm flows from Interstate 15 to Jefferson Avenue.
- Line F-3 is designed to help relieve flooding along Washington Avenue upstream to Kalmia Street. Line F-3 consists of reinforced concrete pipe ranging in size from 42-inces to 54 inches.
- Clay Street channel is constructed as an unlined earthen channel that runs from Kalmia Street to Ivy Street then to Murrieta Creek. As an unlined channel, the channel is not able to convey a 100-year storm.
- The Western Historic Murrieta Storm Drain System was completed by the City in 2006. This storm drain was constructed to relieve flooding in the western area of Historic Murrieta, the portion west of Washington Avenue.

Additional local facilities will be constructed by developers or the City as they become necessary. During the development approval process, developers are "conditioned" to construct necessary storm drain facilities. In addition, projects in close proximity to master drainage facilities are conditioned to contribute a fair-share cost towards the design and construction of regional drainage facilities. A map of the existing storm drain network is shown in *Exhibit 5.13-1*, *Storm Drain Map*.



LEGEND

- Storm Drain
- County Storm Drain
- County Facilities
- Parcels
- Sphere of Influence
- City Boundary

0 0.5 1
Miles

Source: County of Riverside, City of Murrieta, and ESRI - World Shaded Relief.

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Storm Drain Map

Exhibit 5.13-1

Back of 11 x 17 Exhibit

To minimize the potential effects of storm water runoff, the City of Murrieta implements its Storm Water Management Plan (SWMP) to reduce pollutants in urban runoff to the Maximum Extent Practicable. The SWMP identifies methods to reduce potential storm water runoff and contribution of pollutants to the storm drain system. Best Management Practices (BMPs) for industrial and commercial, as well as residential sources, are identified for consideration and implementation to reduce potential discharges to the MEP. Construction activities, including grading, clearing, and excavation, as well as other activities, are likely to increase the potential for pollutants to enter the storm water system. Landowners proposing construction activities within the General Plan Planning Area are required to file a NOI and to pay appropriate fees for to the State Water Resources Control Board. Such development projects require preparation of a SWPPP to identify potential pollutant sources that may affect the quality of discharges of storm water associated with construction activity. Land owners are required to identify, construct, and implement storm water pollution prevention measures (i.e., BMPs) in order to reduce such pollutants. As part of the SWPPP, an Erosion and Sediment Control Plan is also required. Proper inspection of proposed storm water pollution prevention measures is mandatory, along with development and implementation of a monitoring plan.

Flooding

The City of Murrieta is located within Flood Control District Zone 7,[12] which also includes the cities of Temecula and Wildomar. RCFCWCD Facilities within the City of Murrieta are shown in *Exhibit 5.13-1*, *Storm Drain Map*.

FLOOD HISTORY

The largest known flood in the Santa Margarita Watershed was in January 1862, and the second greatest was in February 1884. Other major floods occurred in years 1916, 1938, 1943, 1969, 1978, 1980, 1991, 1992, 1993, 1995, and 1998. In both January and February 1993, Riverside County was hit by severe storms resulting in a Presidential Disaster Proclamation. These large flood events resulted in two to six feet of sediment deposited in the Murrieta Creek streambed from Winchester Road south into Old Town Temecula. Breakouts of floodwaters were caused largely by the magnitude of the event, vegetation density, and the sediment accumulations within the channel that severely reduced flow-carrying capacity. The storm caused over $10 million in damage to public facilities along Murrieta Creek. Additionally, the Riverside County Flood Control and Water Conservation District incurred approximately $450,000. According to "The Californian" website, the most recent Murrieta floods in the years 1980, 1993, 1995, and 1998 were declared federal disasters. The 1993 flood was the most ruinous on record, causing $12 million worth of damage in Temecula and $88 million in damage to Camp Pendleton.[13]

[12] Riverside County Flood Control & Water Conservation District website, http://www.floodcontrol.co.riverside.ca.us/, accessed November 17, 2009.

[13] "The Californian" website, article "Murrieta: Leaders looking for alternative creek funding", http://www.nctimes.com/californian/article_69ecef2d-bda0-561f-9a03-a08d6a474999.html, posted August, 20, 2009.

MAJOR SOURCES OF FLOODING

Flooding problems in the Murrieta Creek Watershed are related to inadequate capacity of the existing drainage network. Much of the Murrieta Creek area and sections along Warm Springs Creek are currently without formal flood control systems and as a result drainage, even with moderate rain, is haphazard in the less developed areas of the City. The problem manifests itself as frequent overtopping of the Murrieta Creek channel by floodwaters in a number of channel reaches, flood inundation of structures with attendant damages, and other water-related problems caused by these events including emergency costs, traffic disruption, and automobile damage.[14]

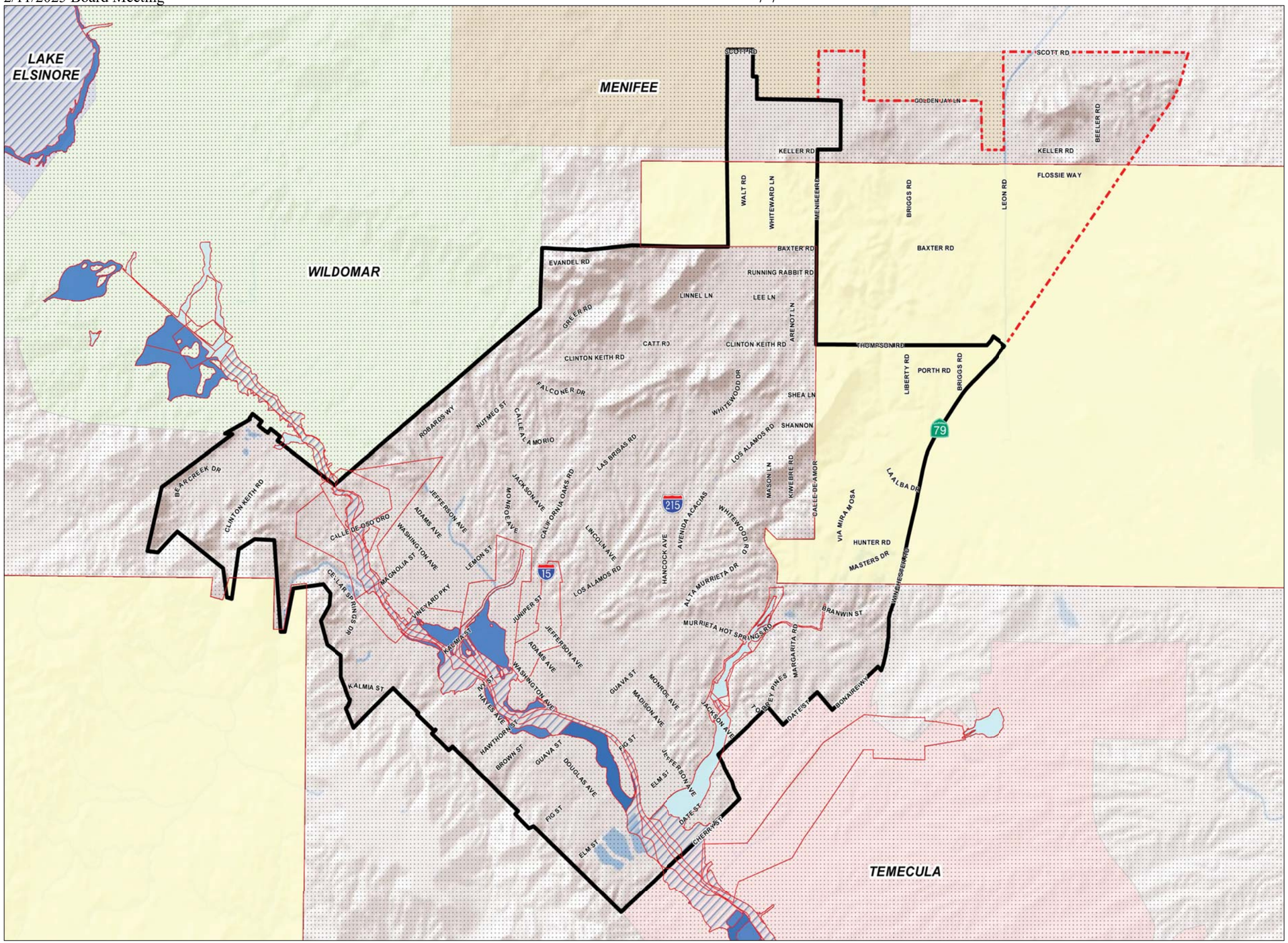
100-YEAR FLOODS

One-hundred-year floods are those that have a 1/100 or one percent chance of occurring in any given year. Flood insurance rates are based on FEMA designations of flood zones. The practice is to avoid or restrict construction within the 100-year flood zones, or to engage in flood proofing techniques such as elevating building pads or by construction floods walls and levees. The 100-year flood is a regulatory standard used by Federal agencies and most states, to administer floodplain management programs, and is also used by the National Flood Insurance Program (NFIP) as the basis for insurance requirements nationwide. A total of 1,021.2 acres in the City of Murrieta are within the 100-year flood zone. Flood zones are primarily located between Jefferson and Hayes Avenues along the Murrieta Creek, and along the lower portions of Warm Springs Creek near the City's southern boundary; refer to *Exhibit 5.13-2*, *FEMA Flood Zones*.

Dam Inundation

In addition to the flood hazard currently posed by the Murrieta Creek, the City of Murrieta is also subject to potential flooding in the event of dam failure. Portions of the City of Murrieta are subject to potential dam inundation zones associated with Lake Skinner and Diamond Valley Lake (previously known as the Eastside Reservoir Project); refer to *Exhibit 5.13-3, Dam Inundation*. Inundation from Lake Skinner would cause flooding in the extreme southern portion of Murrieta. Diamond Valley Lake was completed in 1999 and the process of filling the 4,500-acre reservoir site was completed in 2003. The reservoir doubles the storage capacity for the Metropolitan Water District of Southern California (MWD) with a reservoir capacity of 987 million cubic meters. Statistical risk analysis performed as part of the Eastside Reservoir Project Environmental Impact Report (EIR) indicated the potential of dam failure to be less than one chance in one hundred million under the worst foreseeable earthquake event. Dam failure is considered an extremely remote possibility as dams are designed at strength much stronger than necessary to survive the largest magnitude possible earthquake without affecting the dam structure; however, it must be considered and recognized within the planning process.

[14] Murrieta Creek Flood Control Environmental Restoration and Recreation Project website, Riverside County Flood Control Water Conservation District, http://www.floodcontrol.co.riverside.ca.us/content/MChistory.asp, accessed November 17, 2009.



LEGEND

- 0.2 PCT ANNUAL CHANCE FLOOD HAZARD
- A - 100 yr; No base flood elevations determined.
- AE - 100 yr; base flood elevations determined.
- AH - Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- D - Areas in which flood hazards are undetermined.
- X - Areas of 500-yr flood; areas of 100-yr flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-yr flood.
- Sphere of Influence
- City Boundary

0 0.5 1
Miles

Source: County of Riverside, City of Murrieta, FEMA DFIRM Database, and ESRI - World Shaded Relief.

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FEMA Flood Zones

Exhibit 5.13-2

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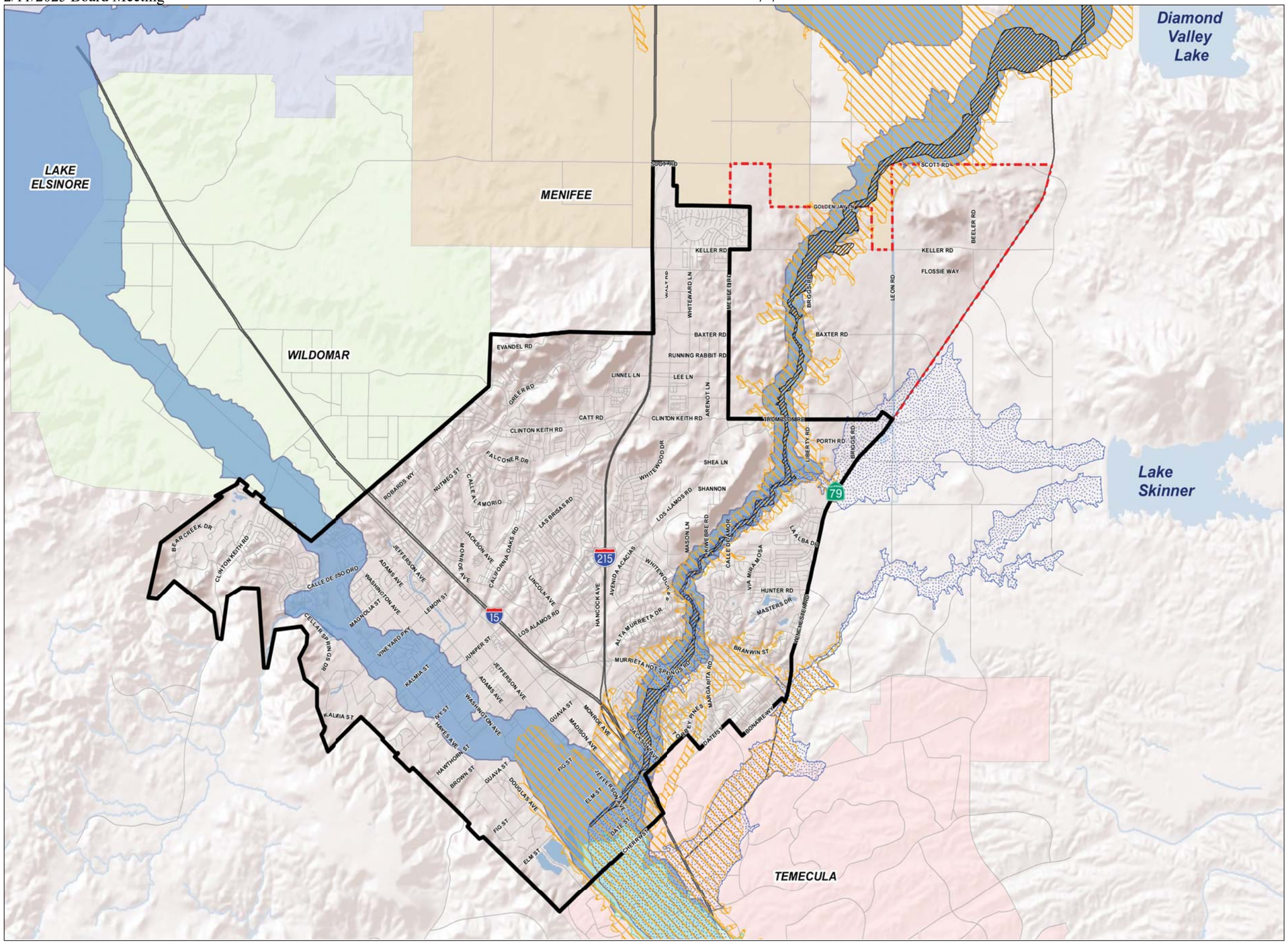

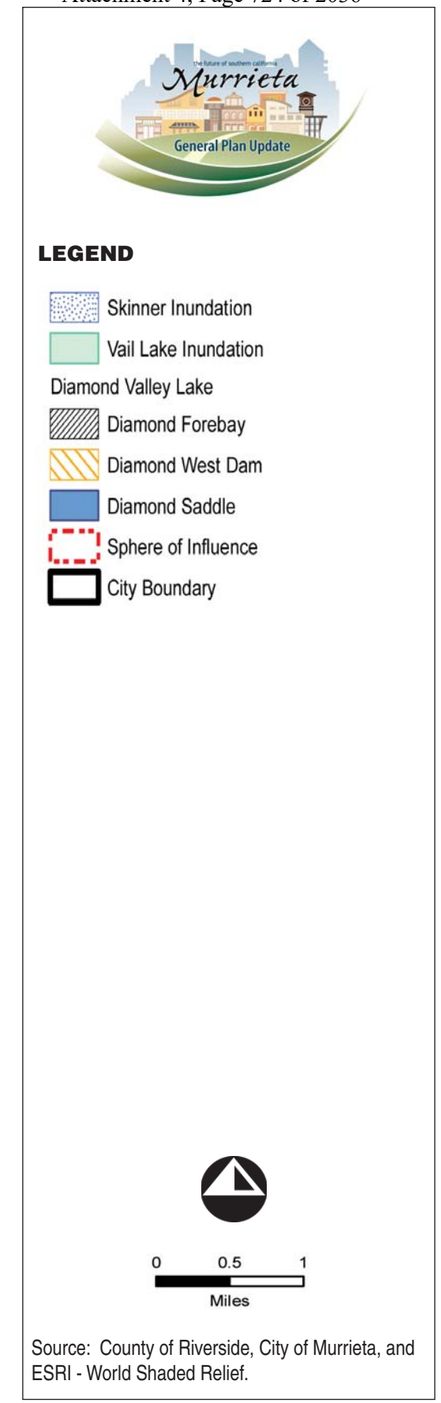

Source: County of Riverside, City of Murrieta, and ESRI - World Shaded Relief.

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Dam Inundation

Exhibit 5.13-3

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Point Source Pollutants

Historically, point-source pollutants have consisted of industrial operations with discrete discharges to receiving waters. Over the past several decades, many industrial operations have been identified as potential sources of pollutant discharges. For this reason, many types of industrial operations require coverage under the State of California's General Industrial Permit. This permit regulates the operation of industrial facilities and monitors and reports mechanisms to ensure compliance with water quality objectives. State regulations require industrial operations to comply with California's General Industrial Permit, which significantly lessens impacts on the receiving waters' water quality. However, industrial operations that are not covered under the General Industrial Permit's jurisdiction may still have the potential to affect the water quality of receiving waters. These industrial operations would be considered non-point-source pollutants.

Non-Point Source Pollutants

Effects of urbanization most often result in an increase in pollutant export from the urban area. An important consideration in evaluating storm water quality within a city, is to evaluate whether it impairs the beneficial use to the receiving waters. Non-point source pollutants have been characterized by the following major parameters to assist in determining and using the pertinent data. Receiving waters can assimilate a limited quantity of various constituent elements; however, there are thresholds beyond which the measured amount becomes a pollutant and results in an undesirable impact. The following background information on these standard water quality parameters provides an understanding of typical urbanization impacts.

SEDIMENT

Sediment is made up of tiny soil particles that are washed or blown into surface waters. It is the major pollutant by volume in surface water. Suspended soil particles can cause the water to look cloudy or turbid. The fine sediment particles also act as a vehicle to transport other pollutants including nutrients, trace metals, and hydrocarbons. Construction sites are the largest source of sediment for urban areas under development. Another major source of sediment is stream bank erosion, which may be accelerated by increases in peak rates and volumes of runoff due to urbanization.

NUTRIENTS

Nutrients are a major concern for surface water quality, especially phosphorous and nitrogen. The orthophosphorous form of phosphorus is readily available for plant growth. The ammonium form of nitrogen can also have severe effects on surface water quality. The ammonium is converted to nitrate and nitrite forms of nitrogen in a process called nitrification. This process consumes large amounts of oxygen, which can impair the dissolved oxygen levels in water. The nitrate form of nitrogen is very soluble and is found naturally at low levels in water. When

nitrogen fertilizer is applied to lawns or other areas in excess of plant needs, nitrates can leach below the root zone, eventually reaching groundwater. Orthophosphate from auto emissions also contributes phosphorus in areas with heavy automobile traffic. As a general rule of thumb, nutrient export is greatest from development sites with the most impervious areas. Other problems resulting from excess nutrients are 1) surface algal scums; 2) water discolorations; 3) odors; 4) toxic releases; and, 5) overgrowth of plants. Common measures for nutrients are total nitrogen, organic nitrogen, total Kjeldahl nitrogen (TKN), nitrate, ammonia, total phosphate, and total organic carbon (TOC).

TRACE METALS

Trace metals are primarily a concern because of their toxic effects on aquatic life and their potential to contaminate drinking water supplies. The most common trace metals found in urban runoff are lead, zinc, and copper. Fallout from automobile emissions is also a major source of lead in urban areas. A large fraction of the trace metals in urban runoff are attached to sediment and this effectively reduces the level, which is immediately available for biological uptake and subsequent bioaccumulation. Metals associated with the sediment settle out rapidly and accumulate in the soils. Also, urban runoff events typically occur over a shorter duration, which reduces the amount of exposure that could pollute the aquatic environment. The toxicity of trace metals in runoff varies with the hardness of the receiving water. As total hardness of the water increases, the threshold concentration levels for adverse effects increases.

OXYGEN-DEMANDING SUBSTANCES

Aquatic life is dependent on the level of dissolved oxygen (DO) in water. When organic matter is consumed by microorganisms, DO is consumed in the process. A rainfall event can deposit large quantities of oxygen-demanding substances in lakes and streams. The biochemical oxygen demand of typical urban runoff is on the same order of magnitude as the effluent from an effective secondary wastewater treatment plant. A DO problem arises when the rate of oxygen-demanding material exceeds the rate of replenishment. Oxygen demand is estimated by the direct measure of DO and indirect measures such as biochemical oxygen demand (BOD), chemical oxygen demand (COD), oils and greases, and total organic carbon (TOC).

BACTERIA

Bacteria levels in undiluted urban runoff usually exceed public health standards for recreational water contact. Studies have found that total coliform counts exceeded EPA water quality criteria at almost every site and almost every time it rained. The coliform bacteria that are detected may not be a health risk in themselves, but are often associated with human pathogens.

OIL AND GREASE

Oil and grease contain a wide variety of hydrocarbons some of which could be toxic to aquatic life in low concentrations. These materials initially float on water and create the familiar

rainbow-colored film. Hydrocarbons have a strong affinity for sediment and quickly become attached to it. The major source of hydrocarbons in urban runoff is through leakage of crankcase oil and other lubricating agents from automobiles. Hydrocarbon levels are highest in the runoff from parking lots, roads, and service stations. Residential land uses generate less hydrocarbons export, although illegal disposal of waste oil into storm water can be a local problem.

OTHER TOXIC CHEMICALS

Priority pollutants are generally related to hazardous wastes or toxic chemicals and can be sometimes detected in storm water. Priority pollutant scans have been conducted in previous studies of urban runoff, which evaluated the presence of over 120 toxic chemicals and compounds. The scans rarely revealed toxins that exceeded the current safety criteria. The urban runoff scans were primarily conducted in suburban areas not expected to have many sources of toxic pollutants (with the possible exception of illegally disposed or applied household hazardous wastes). Measures of priority pollutants in storm water include - 1) phthalate (plasticizer compound); 2) phenols and creosols (wood preservatives); 3) pesticides and herbicides; 4) oils and greases; and 5) metals.

5.13.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, hydrology and water quality impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Violate any water quality standards or waste discharge requirements.
- Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted).
- Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of stream or river, in a manner which would result in substantial erosion or siltation on- or off-site.
- Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site.
- Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff.

- Otherwise substantially degrade water quality.
- Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map.
- Place within a 100-year flood hazard area structures which would impede or redirect flood flows.
- Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam.
- Inundation by seiche, tsunami, or mudflow.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.13.4 PROJECT IMPACTS AND MITIGATION MEASURES

WATER QUALITY

■ IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD VIOLATE WATER QUALITY STANDARDS AND WASTE DISCHARGE REQUIREMENTS.

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Future development associated with implementation of the proposed General Plan 2035 may contribute to water quality degradation in the City, especially within the five Focus Areas targeted for land use change in the proposed General Plan 2035. Runoff from disturbed areas would likely contain silt and debris, resulting in a long-term increase in the sediment load of the stormdrain system serving the City. There is also the possibility for chemical releases at future construction sites. Substances such as oils, fuels, paints, and solvents may be transported to nearby drainages, watersheds, and groundwater in storm water runoff, wash water and dust control water. The significance of these water quality impacts would vary depending upon the level of construction activity, weather conditions, soil conditions, and increased sedimentation of drainage systems within the area.

Maintaining and improving water quality is essential to protect public health, wildlife, and the local watershed. Water conservation and pollution prevention can be dramatically improved through proactive efforts of residents and through City policies. New development and significant reconstruction projects within the City would be required to comply with *Title 15* of the City's *Municipal Code*, which contains regulations to meet Federal and State water quality requirements related to storm water runoff. Furthermore, the proposed General Plan 2035 Infrastructure and Conservation Elements contains goals and policies to reduce water quality impacts. The proposed General Plan 2035 requires the continued compliance with Federal, State, and regional governments and agencies to protect and improve the quality of local and regional groundwater resources available to the City. New development projects would be required to meet Federal, State, and local water quality standards and implement mitigation (if necessary) to reduce impacts to less than significant. Compliance with the City's *Municipal Code Title 15*, *Riverside County DAMP*, *City of Murrieta WQMP*, Riverside County MS4 permit, goals, and policies of the proposed General Plan 2035, and Mitigation Measures HYD-1 and HYD-2 would reduce water quality and waste discharge impacts to a less than significant level.

Goals and Policies in the Proposed General Plan 2035:

INFRASTRUCTURE ELEMENT

Goal INF-1 New development and redevelopment is coordinated with the provision of adequate infrastructure for water, sewer, storm water, and energy.

Policies

INF-1.1 Encourage future development to occur in areas where infrastructure for water, sewer, and storm water can most efficiently be provided.

INF-1.2 Discourage development in areas without connections to existing infrastructure, unless infrastructure is being provided.

INF-1.4 Ensure that new development and redevelopment provides infrastructure for water, sewer, and storm water that adequately serves the proposed uses, and that has been coordinated with affected infrastructure providers.

INF-1.6 Provide information to water districts, Riverside County Flood Control and Water Conservation District (RCFCWCD), and energy utilities in their planning efforts to ensure adequate infrastructure is available for anticipated development.

INF-1.7 Encourage the preparation and updates of master plans by the appropriate providers or agencies to conduct detailed long-range planning to ensure the efficient provision of public services, infrastructure, and/or utilities.

INF-1.8 Consult with water districts and Riverside County Flood Control and Water Conservation District (RCFCWCD) to ensure that fee structures are sufficient for new development and redevelopment to pay its fair share of the cost of infrastructure improvements for water, sewer, and storm water.

INF-1.9 Encourage the water districts to proactively manage their assets through the maintenance, improvement, and replacement of aging water and wastewater systems to ensure the provision of these services to all areas of the community.

INF-1.10 Encourage the water districts to improve water and wastewater services in a way that respects the natural environment.

INF-1.11 Ensure sufficient levels of storm drainage service are provided to protect the community from flood hazards and minimize the discharge of materials into the storm drain system that are toxic or which would obstruct flows.

INF-1.12 When managed by the City, continue to maintain and replace aging storm drain systems to ensure the provision of these services to all areas of the community.

INF-1.13 Cooperate in regional programs to implement the National Pollutant Discharge Elimination System program.

INF-1.14 Continue to participate with other agencies on public education and outreach materials for countywide distribution to focus on public education and business activities with the potential to pollute. Distribute Best Management Practices (BMP) guidance for business activities, including but not limited to, mobile detailing, pool maintenance, restaurant cleaning operations, and automotive service centers.

INF-1.15 Continue to implement the City's residential informational and outreach program by providing homeowners with Best Management Practices (BMP) for activities such as, but not limited to:

- Disposal of fats, oils, and grease
- Disposal of garden waste
- Disposal of household hazardous waste
- Disposal of pet waste
- Garden care and maintenance
- Vehicular repair and maintenance
- Vehicular washing

INF-1.16 Continue to annually report the City's activities as part of its submittal to the San Diego Region Water Quality Control Board. Activities the City should report on include, but are not limited to:

- Litter Control
- Solid Waste Collection/Recycling
- Drainage Facility Maintenance
- Catch Basin Stenciling
- Street Sweeping

INF-1.18 Minimize the adverse effects of urbanization upon drainage and flood control facilities.

INF-1.19 Encourage the City and the Riverside County Flood Control and Water Conservation District improve the storm drain system in a way that respects the environment.

CONSERVATION ELEMENT

Goal CSV-3 A community that participates in a multi-jurisdictional approach to protecting, maintaining, and improving water quality and the overall health of the watershed.

Policies

CSV-3.1 Collaborate with partner agencies and other communities to conserve and properly manage surface waters within the City and Sphere of Influence through protection of the watershed and natural drainage system.

CSV-3.2 Promote storm water management techniques that minimize surface water runoff in public and private developments.

CSV-3.3 Utilize low-impact development (LID) techniques to manage storm water through conservation, on-site filtration, and water recycling, and continue to ensure compliance with the NPDES permit.

CSV-3.4 Encourage the creation of a network of “green” streets that minimize stormwater runoff, using techniques such as on-street bio-swales, bio-retention, permeable pavement or other innovative approaches, as feasible.

CSV-3.5 Seek opportunities to restore natural watershed function as an added benefit while mitigating environmental impacts.

Goal CSV-4 Restoration of the natural function and aesthetic value of creeks, while providing flood control measures and opportunities for recreation.

Policies

CSV-4.1 Prioritize creek preservation, restoration and/or mitigation banking along creeks as mitigation for environmental impacts.

CSV-4.2 Consider alternatives to hardlined bottoms and side slopes within flood control facilities, where technically feasible.

CSV-4.3 Preserve Warm Springs Creek and Cole Creek as a wildlife corridor, while accommodating flood control measures and passive recreation.

CSV-4.4 Retain and restore natural drainage courses and their function where health and safety are not jeopardized.

CSV-4.5 Support efforts for restoration, flood control, and recreation along Murrieta Creek, in coordination with regional and federal plans.

CSV-4.6 Seek funds and provide support for creek restoration, maintenance and protection through grant and mitigation programs, development entitlements, and non-profit organizations.

Mitigation Measures:

HYD-1 Prior to issuance of any Grading or Building Permit, and as part of the future development's compliance with the NPDES requirements, a Notice of Intent shall be prepared and submitted to the San Diego RWQCB providing notification and intent to comply with the State of California General Construction Permit. Also, a Stormwater Pollution Prevention Plan (SWPPP) shall be reviewed and approved by the Director of Public Works and the City Engineer for water quality construction activities on-site. A copy of the SWPPP shall be available and implemented at the construction site at all times. The SWPPP shall outline the source control and/or treatment control BMPs to avoid or mitigate runoff pollutants at the construction site to the "maximum extent practicable." All recommendations in the Plan shall be implemented during area preparation, grading, and construction. The project applicant shall comply with each of the recommendations detailed in the Study, and other such measure(s) as the City deems necessary to mitigate potential stormwater runoff impacts.

HYD-2 Prior to issuance of any Grading Permit, future development projects shall prepare, to the satisfaction of the Director of Public Works and the City Engineer, a Water Quality Management Plan or Stormwater Mitigation Plan, which includes Best Management Practices (BMPs), in accordance with the Riverside County DAMP and the Murrieta WQMP. All recommendations in the Plan shall be implemented during post construction/operation phase. The project applicant

shall comply with each of the recommendations detailed in the Study, and other such measure(s) as the City deems necessary to mitigate potential water quality impacts.

Level of Significance After Mitigation: Less Than Significant Impact.

GROUNDWATER DEPLETION

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD DEPLETE GROUNDWATER SUPPLIES.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: The City of Murrieta receives water from the Eastern Municipal Water District (EWMD), the Elsinore Valley Municipal Water District (EVMWD), the Rancho California Water District (RCWD), and the Western Municipal Water District (WMWD).

EMWD[15]

EMWD relies on MWD for 80 percent of its potable water supply. The rest of the water distributed by EMWD comes from local groundwater production, and recycled water. Major groundwater sources consist of the San Jacinto Watershed. In 2010, EMWD produced a total of 18,800 acre-feet per year from the San Jacinto Basin. Recharge of the basin is governed by an agreement between EMWD, Lake Hemet Municipal Water District (LHMWD) and the Cities of Hemet and San Jacinto. The plan calls for 100 acres of ponds, eight recovery wells, and a 60-inch diameter pipeline from EMWD's EM-14 connection to the ponds. The objectives of the plan are to provide Tribal Settlement Water, eliminate groundwater overdraft, create additional long-term water supply, and create water storage for drought years. The plan was underway as of 2005.

As a whole, EWMD anticipated a total water use of 115,200 acre-feet per year of potable water in 2010. A total of 53,600 Acre-Feet/Year (AF/Y) of non-potable water was also anticipated in 2010, for a total District use of 168,800 AF/Y of water in 2010. In 2030, EMWD anticipates a total potable water use of 172,000 AF/Y and a total non-potable water use of 73,000 AF/Y, for a total water usage of 245,200 AF/Y.

[15] EMWD 2005 Urban Water Management Plan

EVMWD[16]

EVMWD obtains its potable water supplies from local groundwater, local surface water from Canyon Lake, and imported water from MWD. From 1992 to 2004, total production from all sources averaged about 28,500 AF/Y. Groundwater production has been relatively stable, averaging about 14,000 AF/Y. The Elsinore Groundwater Basin is the major source of potable groundwater supply for EVMWD.

EVMWD prepared a groundwater management plan (GWMP) for the Elsinore Basin pursuant to the *California Water Code* Section 10750 et seq. The GWMP was adopted by the EVMWD Board of Directors on March 24, 2005, and presents detailed information on the Elsinore Basin including a plan to reduce the overdraft and improve groundwater supply reliability. The main objective of the GWMP is to provide a guideline that resolves the overdraft problem in the Elsinore Basin. The GWMP concluded that the current sustainable yield of the Elsinore Basin is 5,500 AF/Y.

EVMWD has nine operating potable groundwater wells with a total capacity of 13.7 million gallons per day (mgd). As of 2005, groundwater supplied 35 to 45 percent of EVMWD demands in the past five years. According to the GWMP, approximately 94 percent of the groundwater produced by the basin is pumped by EVMWD. Local pumpers with private wells only account for about one percent of the basin production.

As a whole, the EVMWD anticipates that it supplies a total of 17,802 AF/Y of groundwater pumped from the Elsinore Basin, as well as the San Bernardino Bunker Hill Basin, the Rialto-Colton and Riverside North Basins, and the Coldwater Basin. In 2010, EVMWD anticipated a total water supply of 66,590 AF/Y and in 2030, projects a total water supply of 77,919AF/Y.

RCWD[17]

RCWD's current water supply sources include local groundwater, imported water from MWD, and recycled water. Historically, groundwater has supplied between 25 to 40 percent of total water supply. RCWD overlies the Temecula and Pauba groundwater basins. Additionally, RCWD relies on eight groundwater basins for its local water supply. Total natural yield to RCWD is approximately 29,500 AF/Y. RCWD has three production wells in northern Murrieta, and two production wells in south Murrieta, all within the 1305 pressure zone.

RCWD recharges the Pauba Valley Basin with untreated imported water for enhanced groundwater production. RCWD purchases imported water from MWD; in the past, recharge has been provided up to 16,000 AF/Y. RCWD also has a surface water storage permit in Vail Lake for up to 40,000 AF from November 1 to April 30. During these months, RCWD releases available water for groundwater recharge.

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16 EVMWD 2005 Urban Water Management Plan
17 RCWD 2005 Urban Water Management Plan

As a whole, RCWD anticipated a total of 38,000 AF/Y of water was pumped from the Pauba, South Murrieta, Lower Mesa, North Murrieta, Wolf Valley, San Gertrudis, Upper Mesa, and Palomar Sub-Basins. RCWD anticipates that in the year 2030, approximately 56,000 AF/Y will be pumped from these basins. Furthermore, RCWD anticipated that approximately overall water supply totaled 100,700 AF/Y to its customers in 2010. In 2030, RCWD anticipates that all water supplied to its customers will total 140,400 AF/Y.

WMWD[18]

WMWD obtains its water from MWD, as well as supplemental water from the City of Riverside. This District does not extract any groundwater for retail supply. Supplemental water is also purchased from the City of Riverside. In 2010, WMWD anticipated that its water supply totaled 128,589 AF/Y. In 2030, WMWD projects that its water supply will total 241,649 AF/Y.

Proposed Project Impacts

Development associated with implementation of the proposed General Plan 2035 may contribute to the depletion of groundwater. Implementation of the proposed General Plan 2035 would result in an additional 10,734 residential dwelling units and 36,210,757 square feet of nonresidential development. Projected development and increased population would result in an ultimate increase in the demand for water supplies. The City currently uses approximately 39,179 AF/Y of water resources to meet all constituent demands. It is anticipated that water demand would gradually decrease with implementation of the proposed General Plan 2035 to approximately 15,632 AF/Y in the year 2035. Refer to Section 5.10, Water Supply.

The four water districts that serve Murrieta have separate UWMPs. According to the UWMPs for each water district, a combined water supply of 705,168 AF/Y is anticipated. Murrieta would only use 0.0712 percent of the anticipated water from these four districts. As discussed above, not all districts obtain 100 percent of their water from groundwater basins, and multiple districts have recharge plans in place. Additionally, the proposed General Plan 2035 Conservation Element includes the following goals and policies. Also, refer to the goals and policies listed above.

Water conservation in Southern California became increasingly important in the 1980s and early 1990s, when the entire region suffered a severe drought. Drought conditions in southern California directly affect groundwater recharge and groundwater supplies. The City has identified the protection and conservation of its existing and future water resources within the proposed General Plan 2035 goals and policies, shown below.

In conclusion, compliance with the goals and policies in the proposed General Plan 2035 Conservation Element would ensure impacts are at less than significant levels.

[18] WMWD 2005 Urban Water Management Plan

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-1 A community that conserves, protects, and manages water resources to meet long-term community needs, including surface waters, groundwater, imported water supplies, storm water, and waste water.

Policies

CSV-1.1 Encourage the provision of a safe and sufficient water supply and distribution system.

CSV-1.2 Promote the maximization of water supplies through conservation, water recycling, and groundwater recharge.

CSV-1.3 Promote the protection of groundwater supplies from contamination.

CSV-1.4 Support water purveyors in promoting a City-wide recycled water system through project review and coordination with water districts.

CSV-1.5 Encourage the owners of hot springs to protect and enhance them

CSV-1.6 Coordinate water resource management with water districts and regional, state, and federal agencies.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

DRAINAGE SYSTEM CAPACITY

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD CREATE OR CONTRIBUTE TO RUNOFF WATER WHICH COULD EXCEED THE CAPACITY OF EXISTING OR PLANNED STORM WATER DRAINAGE SYSTEMS FOR PROVIDE SUBSTANTIAL ADDITIONAL SOURCES OF POLLUTED RUNOFF.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Implementation of the proposed General Plan 2035 could potentially result in the additional 10,734 residential dwelling units and 36,210,757 square feet of

nonresidential development. Subsequent development associated with implementation of the proposed General Plan 2035 may contribute to the runoff, which may exceed the capacity of the existing drainage system.

A storm drain or stormwater conveyance system are private and public drainage facilities, other than sanitary sewers, through which surface water runoff (typically in urban areas) is transported to another location where the water is discharged to a natural drainage or water course (most likely) or to a treatment facility. The main purpose of the storm drain system is to prevent flooding by transporting water away from developed areas. Storm drain systems are most common within the more urbanized areas of the City and are likely to have a range of storm drain facilities. In more rural areas of the City, developed land does not support or require storm drain facilities.

Over recent decades, rapid growth and urbanization have placed increased pressure on storm drain capacity. In general, increased urbanization increases the amount of impervious (paved) surfaces, thus reducing the amount of water that would normally infiltrate into the soil. Rainfall, irrigation runoff, and nuisance flows accumulate on impervious surfaces and flow downstream via the storm drain system to surface waters. The storm drain system is not connected with the sanitary sewer system; therefore, urban runoff is not filtered to remove trash, cleaned, or otherwise treated before it is discharged to surface waters. As a result storm drains have become increasingly important component in managing water quality impacts in addition to reducing flooding.

Storm water from the City of Murrieta drains to two watersheds: the Santa Ana Watershed and the Santa Margarita Watershed. Two major tributaries, Murrieta Creek and Warm Springs Creek, run through the City. Murrieta Creek runs from the northern City limit, along the Rancho Temecula line, to the southern City limit at Cherry Street. In its unimproved state, Murrieta Creek lacks the capacity to convey 100-year storm flows through the City. A Master Drainage Plan was prepared by RCFCWCD, which identifies improvements that would provide flood protection for both existing and future development within the City. The improvements, identified as the Murrieta Creek improvement project, include 11 miles of earthen channel of the Murrieta Creek from Rancho California Road in Temecula to Clinton Keith Road and a network of underground storm drains to provide 100-year flood protection.

The following facilities have been constructed pursuant to the Murrieta Creek Area Drainage Plan:

- Line G is constructed as a concrete lined trapezoidal channel and has adequate capacity to convey a 100-year flood. The line extends from Interstate 15 to Murrieta Creek.

- Line F is designed to help relieve flooding in Old Town Murrieta. Line F follows an alignment roughly parallel to Ivy Street between Interstate 15 and Murrieta Creek.

- Lines E and E-2 were constructed to intercept flows from Ivy street and discharge into Murrieta Creek.

- Line F-1 is designed to help relieve flooding in the floodplain area upstream of Kalmia Street. Line F-1 follows an alignment parallel to Adams Avenue, curving through the intersection of Magnolia and Jefferson Avenue finally terminating at Interstate 15. Line F-1 adequately conveys the 100-year storm flows from Interstate 15 to Jefferson Avenue.

- Line F-3 is designed to help relieve flooding along Washington Avenue upstream to Kalmia Street. Line F-3 consists of reinforced concrete pipe ranging in size from 42-inces to 54 inches.

- Clay Street channel is constructed as an unlined earthen channel that runs from Kalmia Street to Ivy Street then to Murrieta Creek. As an unlined channel, the channel is not able to convey a 100-year storm.

- The Western Historic Murrieta Storm Drain System was completed by the City in 2006. This storm drain was constructed to relieve flooding in the western area of Historic Murrieta, the portion west of Washington Avenue.

Additionally, the City is planning drainage improvements in two locations: Line D and D1 from Madison to Jefferson is slated to have drainage channel improvements done, and Murrieta Creek will have improvements made from Vineyard Parkway to the southern City limits. Infrastructure will be maintained by RCFCWCD. Additionally, RCFCWCD's existing infrastructure is shown in *Exhibit 5.13-1*.

New development projects associated with implementation of the proposed General Plan 2035 would be required to ensure project-specific and citywide drainage systems have adequate capacity to accommodate new development. The City has recognized the need to monitor and improve the storm drain system in order to ensure it is adequately accommodating future development. The City's annual CIP, as well as goals and policies to ensure that project-related storm water mitigation techniques are employed and monitored, are proposed in the General Plan 2035. Furthermore, implementation of the required mitigation measures would ensure new development projects are designed to result in less than significant impacts related to the drainage system capacity. Compliance with the City's *Municipal Code*, the goals and policies included in the proposed General Plan 2035 Conservation Element, and Mitigation Measures HYD-1 and HYD-2 would ensure drainage system capacity impacts are reduced to a less than significant level.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.13.

Mitigation Measures: Refer to Mitigation Measures HYD-1 and HYD-2. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

DRAINAGE PATTERNS

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN ALTERATION OF DRAINAGE PATTERNS OF THE SITE OR AREA, INCLUDING ALTERATION OF A STREAM OR RIVER, RESULTING IN SUBSTANTIAL EROSION, FLOODING, OR SIGNIFICANT RISK OF LOSS.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: The proposed General Plan 2035 does not propose altering any drainage patterns. All applicable standards would be applied to future development projects to ensure that they are not constructed in a way that would alter a stream or river, or result in substantial erosion or flooding. Therefore, less than significant impacts would occur in this regard. Also, refer to flooding and dam inundation impacts discussions below.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above and below in this Section 5.13.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

FLOODING

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN IMPACTS RELATED TO A 100-YEAR FLOOD EVENT.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: The City of Murrieta lies within the inland portion of the Santa Margarita River (SMR) Basin, which encompasses approximately 750 square miles. The major tributaries within the General Plan Planning Area (City of Murrieta corporate boundaries and sphere of

influence) are Murrieta Creek and Warm Springs Creek. Murrieta Creek runs from the northern City limit, along the Rancho Temecula Line, to the southern City limit at Cherry Street. Warm Springs Creek forms a portion of the southern City limit and separates the City from the community of Murrieta Hot Springs. The SMR has a rich ecosystem providing habitat to several listed species. It supports extensive coastal wetlands and is home to one of the last free flowing rivers in Southern California of which the Bureau of Land Management (BLM) has determined qualifies for National Wild & Scenic River status.

As previously discussed, the largest known flood in the Santa Margarita Watershed was in January 1862, and the second greatest was in February 1884. Other major floods occurred in years 1916, 1938, 1943, 1969, 1978, 1980, 1991, 1992, 1993, 1995, and 1998. In both January and February 1993, Riverside County was hit by severe storms resulting in a Presidential Disaster Proclamation. These large flood events resulted in two to six feet of sediment deposited in the Murrieta Creek streambed from Winchester Road south into Old Town Temecula. Breakouts of floodwaters were caused largely by the magnitude of the event, vegetation density, and the sediment accumulations within the channel that severely reduced flow-carrying capacity. The storm caused over $10 million in damage to public facilities along Murrieta Creek. Additionally, the Riverside County Flood Control and Water Conservation District incurred approximately $450,000 in damage. According to "The Californian" website, the most recent Murrieta floods in the years 1980, 1993, 1995, and 1998 were declared federal disasters. The 1993 flood was the most ruinous on record, causing $12 million worth of damage in Temecula and $88 million in damage to Camp Pendleton.[19]

A total of 1,021.2 acres in the City of Murrieta are within the 100-year flood zone. Flood zones are primarily located between Jefferson and Hayes Avenues along the Murrieta Creek, and along the lower portions of Warm Springs Creek near the City's southern boundary; as shown in *Exhibit 5.13-2*.

Development associated with implementation of the proposed General Plan 2035 would be subject to the City's *Municipal Code*. Chapter 15.56.040, Methods of Reducing Flood Loss, establishes provisions to ensure damage from floods within the City is minimized. Chapter 15.16.070, General Provisions, and Chapter 15.56.120, Administration, establishes flood zones in accordance with FEMA, and administrative procedures regarding development within or around flood zones.

Additionally, the proposed General Plan 2035 Safety Element includes the following goals and policies to address flooding and flood hazards within the City. It is anticipated that with implementation of these goals and policies and the City's *Municipal Code*, flood hazards within the City would be reduced to a less than significant level.

[19] "The Californian" website, article "Murrieta: Leaders looking for alternative creek funding", http://www.nctimes.com/californian/article_69ecef2d-bda0-561f-9a03-a08d6a474999.html, posted August, 20, 2009.

Goals and Policies in the Proposed General Plan 2035:

SAFETY ELEMENT

Goal SAF-3 Damage from flood and inundation hazards is minimized by improving flood control systems and providing adequate safety protections in areas of the City subject to inundation.

Policies

SAF-3.1 Cooperate with the Riverside County Flood Control and Water Conservation District to evaluate the effectiveness of existing flood control systems and improve these systems as necessary to meet capacity demands.

SAF-3.2 Actively participate in and strongly promote timely completion of regional drainage plans and improvement projects which affect the City.

SAF-3.3 Identify natural drainage courses and designate drainage easements to allow for their preservation, or for the construction of drainage facilities if needed to protect the health, safety, and welfare of the community.

SAF-3.4 Require new construction within the 100 year floodplain to meet National Flood Insurance Program standards.

SAF-3.5 Develop and maintain floodplain inundation evacuation plans in cooperation with the Riverside County Flood Control and Water Conservation District and the Murrieta Fire Department.

SAF-3.6 Maintain an active swift water rescue response in the Murrieta Fire Department.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

DAM INUNDATION

- **FUTURE DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN URBAN USES BEING LOCATED IN DAM INUNDATION AREAS OF THE CITY.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: The City of Murrieta is subject to potential flooding in the event of dam failure. Portions of the City of Murrieta are subject to potential dam inundation zones associated with Lake Skinner and Diamond Valley Lake (previously known as the Eastside Reservoir Project); as shown in *Exhibit 5.13-3*. Inundation from Lake Skinner would cause flooding in the extreme southern portion of Murrieta. Diamond Valley Lake was completed in 1999 and the process of filling the 4,500-acre reservoir site was completed in 2003. The reservoir doubles the storage capacity for the Metropolitan Water District of Southern California (MWD) with a reservoir capacity of 987 million cubic meters. Statistical risk analysis performed as part of the Eastside Reservoir Project Environmental Impact Report (EIR) indicated the potential of dam failure to be less than one chance in one hundred million under the worst foreseeable earthquake event. Dam failure is considered an extremely remote possibility as dams are designed at strength much stronger than necessary to survive the largest magnitude possible earthquake without affecting the dam structure; however, it must be considered and recognized within the planning process.

The South Murrieta Business Corridor Focus Area is within the inundation zone for Lake Skinner, Vail Lake, Diamond Saddle, and Diamond West Dam. Portions of the Multiple Use 3 Focus Area are within the inundation zone for Diamond Saddle and Diamond West Dam.

Implementation of the proposed General Plan 2035 would result in an anticipated the additional 10,734 residential dwelling units and 36,210,757 square feet of nonresidential development. Development associated with implementation of the proposed General Plan 2035 would be subject to the provisions of Chapter 15 of the City's *Municipal Code*, which provides development provisions to reduce flooding. The proposed General Plan 2035 Safety Element includes policies that would minimize the potential for flooding to impact property and human life. Thus, less than significant impacts are anticipated in this regard. The goals and policies in the proposed General Plan 2035 serve to reduce potential impacts related to flooding. Furthermore, flooding risk for Murrieta is addressed in the City's Emergency Management Plan. Compliance with the City's *Municipal Code*, the goals and policies included in the proposed General Plan 2035 Safety Element, and the City's *Emergency Management Plan* would result in flood impacts being reduced to a less than significant level.

Goals and Policies in the Proposed General Plan 2035:

SAFETY ELEMENT

Goal SAF-4 Land use regulations and emergency response plans reduce potential damage resulting from dam failure.

Policies

SAF-4.1 Maintain and update mapping of dam inundation areas within the City as new studies and projects are completed.

SAF-4.2 Develop dam failure evacuation plans in cooperation with the Riverside County Flood Control and Water Conservation District and the Murrieta Fire Department.

SAF-4.3 Discourage critical and essential uses as well as high-occupant-load building uses within designated dam inundation areas.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

INUNDATION BY SEICHE, TSUNAMI, OR MUDFLOW

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN PROJECT INUNDATION BY SEICHE, TSUNAMI, OR MUDFLOW.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: As discussed in Section 5.8, Geology and Seismic Hazards, the possibility of seiches and tsunamis impacting the City is considered remote due to the great distance to large bodies of water. The nearest large body of water is Lake Elsinore, located approximately 6¼ miles northwest. Therefore, no impacts are anticipated to occur in this regard.

As discussed above for flooding, there is the potential for mudflow to occur with flood events. All future construction associated with the implementation of the proposed General Plan 2035 would meet all applicable Federal, State, and local building, seismic, water quality, flood, and drainage standards, as previously discussed above. Additionally, the proposed General Plan 2035 Safety Element includes goals and policies to address flooding and flood hazards within the City. It is anticipated that with implementation of these goals and policies and the City's *Municipal Code*, mudflow hazards within the City would be reduced to a less than significant level.

Goals and Policies in the Proposed General Plan 2035: There are no goals or policies that pertain specifically to seiche or tsunami. Refer to the goals and policies referenced above for flooding.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.13.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS RELATED TO HYDROLOGY, DRAINAGE, AND WATER QUALITY.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Cumulative hydrology, drainage, and water quality impacts associated with implementation of the proposed General Plan 2035 are analyzed based on development within the City of Murrieta and associated impacts to the regional drainage facilities under the jurisdiction of the San Diego RWQCB. The proposed General Plan 2035, as mitigated, would not significantly impact drainage courses and hydrologic flows throughout the City.

Future development projects located in or using facilities associated with the EMWD, EVMWD, RCWD, and WMWD service areas would be required to mitigate specific hydrologic impacts on a project-by-project basis. Additionally, the City's *Municipal Code* incorporates Federal and State regulations and guidelines pertaining to storm water runoff to reduce or eliminate regional water quality impacts. Impacts associated with future development in the City and the region would be addressed at a site-specific level to ensure their cumulative impact would be less than significant.

Additional local facilities would be constructed by developers or the City as they become necessary. During the development approval process, developers are "conditioned" to construct necessary storm drain facilities. In addition, projects in close proximity to master drainage facilities are conditioned to contribute a fair-share cost towards the design and construction of regional drainage facilities. Thus, implementation of the proposed General Plan 2035 would not result in cumulatively considerable hydrology, drainage, or water quality impacts.

Goals and Policies in the Proposed General Plan 2035: Refer to goals and policies referenced above in this Section 5.13.

Mitigation Measures: Refer to Mitigation Measure HYD-1 and HYD-2. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

5.13.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Impacts related to hydrology, drainage, and water quality associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goals and policies in the proposed General Plan 2035 and the recommended mitigation measures. No significant unavoidable hydrology, drainage, and water quality impacts would occur as a result of buildout of the proposed General Plan 2035.

5.13.7 SOURCES CITED

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the future of southern california
Murrieta
General Plan Update

Section 5.14:

Hazards and Hazardous Materials

5.14 HAZARDS AND HAZARDOUS MATERIALS

This section describes the means by which hazardous substances are regulated from a Federal, State, and local perspective, and discusses potential adverse impacts to human health and the environment due to exposure of hazardous materials. For this EIR, the term "hazardous material" includes any material that, because of its quantity, concentration, or physical, chemical, or biological characteristics, poses a considerable present or potential hazard to human health or safety, or to the environment. It refers generally to hazardous chemicals, radioactive materials and biohazards materials. "Hazardous waste," a subset of hazardous material, is material that is to be abandoned, discarded, or recycled and includes chemicals, radioactive and bio-hazardous waste, including medical waste.

5.14.1 REGULATORY SETTING

The regulation of hazardous wastes is provided on both the Federal and State levels. The United States Environmental Protection Agency (U.S. EPA) and the California Department of Toxic Substance Control (DTSC) have developed and continue to update lists of hazardous wastes subject to regulation. Applicable Federal, State, and local regulatory policies and law that apply to hazards and hazardous materials are discussed below.

FEDERAL AND STATE

Resource Conservation and Recovery Act

The Resource Conservation and Recovery Act (RCRA), enacted in 1976, is the principal Federal law in the United States governing the disposal of solid waste and hazardous waste. The United States Environmental Protection Agency (U.S. EPA) waste management regulations are codified at Title 40 of the Code of Federal Regulations (40 C.F.R. pts. 239-282). Regulations regarding management of hazardous waste begins at 40 C.F.R. pt. 260. Furthermore, the statute authorizes states to carry out many of the functions of RCRA through their own hazardous waste programs (and state laws), if such programs have been approved (authorized) by the U.S. EPA.

Federal Emergency Management Agency

The Federal Emergency Management Agency (FEMA) performs the following: advises on building codes and flood plain management; teaches people how to get through a disaster; helps equip local and state emergency preparedness; coordinates the federal response to a disaster; makes disaster assistance available to states, communities, businesses and individuals; trains

emergency managers; supports the nation's fire service; and administers the national flood and crime insurance programs

California Department of Toxic Substances Control

The responsibility for implementation of the Federal Resource Conservation and Recovery Act (RCRA) was given to California EPA's Department of Toxic Substances Control (DTSC) in August 1992. The DTSC is also responsible for implementing and enforcing California's own hazardous waste laws, which are known collectively as the Hazardous Waste Control Law. Although similar to RCRA, the California Hazardous Waste Control Law and its associated regulations define hazardous waste more broadly and so regulate a larger number of chemicals. Hazardous wastes regulated by California but not by U.S. EPA are called "non-RCRA hazardous wastes."

In addition to the U.S. EPA and the DTSC, the Regional Water Quality Control Board (RWQCB), San Diego Region (Region 9), is the enforcing agency for the protection and restoration of water resources, including remediation of unauthorized releases of hazardous substances in soil and groundwater.

Unified Hazardous Waste and Hazardous Materials Management Regulatory Program

The "Unified Hazardous Waste and Hazardous Materials Management Regulatory Program" (Program) was created in 1993 by California State Senate Bill 1082 to consolidate, coordinate, and make consistent the administrative requirements, permits, inspections, and enforcement activities for environmental and emergency management programs. The Program is implemented at the local government level by Certified Unified Program Agencies (CUPA). The Program consolidates, coordinates, and makes consistent the following hazardous materials and hazardous waste programs (Program Elements):

- Hazardous Waste Generation (including on-site treatment under Tiered Permitting);
- Aboveground Petroleum Storage Tanks (only the Spill Prevention Control and Countermeasure Plan or "SPCC");
- Underground Storage Tanks (UST);
- Hazardous Material Release Response Plans and Inventories;
- California Accidental Release Prevention Program (Cal ARP); and
- Uniform Fire Code Hazardous Material Management Plans and Inventories.

California Accidental Release Prevention Program Law

The California Accidental Release Prevention Program Law (CalARP Program) (*California Health and Safety Code* Section 25531-25543.3) provides for consistency with Federal laws (i.e., the Emergency Preparedness and Community Right-to-Know Act and the Clean Air Act) regarding accidental chemical releases and allows local oversight of both the State and Federal programs. State and Federal laws are similar in their requirements; however, the California threshold planning quantities for regulated substances are lower than the Federal quantities. Local agencies may set lower reporting thresholds or add additional chemicals to the program. The CalARP is implemented by the CUPA and requires that any business, where the maximum quantity of a regulated substance exceeds the specified threshold quantity, register with the County as a manager of regulated substances and prepare a Risk Management Plan. A Risk Management Plan must contain an off-site consequence analysis, a five-year accident history, an accident prevention program, an emergency response program, and a certification of the truth and accuracy of the submitted information. Businesses submit their plans to the CUPA, which makes the plans available to emergency response personnel. The Business Plan must identify the type of business, location, emergency contacts, emergency procedures, mitigation plans, and chemical inventory at each location.

Transportation of Hazardous Materials/Wastes

Transportation of hazardous materials/wastes is regulated by *California Code of Regulations* (*CCR*) *Title 26, Toxics*. The Federal Department of Transportation (DOT) is the primary regulatory authority for the interstate transport of hazardous materials. The DOT establishes regulations for safe handling procedures (i.e., packaging, marking, labeling and routing). The California Highway Patrol (CHP) and the California Department of Transportation (Caltrans) enforce Federal and State regulations and respond to hazardous materials transportation emergencies. Emergency responses are coordinated as necessary between Federal, State and local governmental authorities and private persons through the Murrieta Emergency Operations Plan.

Worker and Workplace Hazardous Materials Safety

Occupational safety standards exist to minimize worker safety risks from both physical and chemical hazards in the workplace. The California Division of Occupational Safety and Health (Cal/OSHA) is responsible for developing and enforcing workplace safety standards and assuring worker safety in the handling and use of hazardous materials. Among other requirements, Cal/OSHA requires many businesses to prepare Injury and Illness Prevention Plans and Chemical Hygiene Plans. The Hazard Communication Standard requires that workers be informed of the hazards associated with the materials they handle.

LOCAL

Riverside County Community Health Agency – Department of Environmental Health

The Environmental Protection and Oversight Division (EPO) is one of the two divisions of the Department of Environmental Health (DEH). The EPO Division has regulatory control over a number of hazardous materials, land use and water system based programs.

The Hazardous Materials Management Division (HMMD) is one of the three divisions of the Department of Health (DEH) of the Riverside County Community Health Agency. HMMD is the CUPA for Riverside County responsible for regulating hazardous materials business plans and chemical inventory, hazardous waste and tiered permitting, underground storage tanks, and risk management plans.

Riverside County Multi-Jurisdictional Local Hazard Mitigation Plan[1]

Table 6.6-2, Riverside County Local Jurisdiction Hazard Assessment Worksheet of Section 6.6, Emergency Response, provides a detailed identification and analysis of the hazards faced by Riverside County and the City of Murrieta according to the Riverside County Multi-Jurisdictional Local Hazard Mitigation Plan (LHMP). Table 6.6-2 assigns each hazard a severity rating, indicating the amount of damage that would be done to the County and the City and its population should the hazard occur. Table 6.6-2 also assigns a probability rating, indicating the likelihood that the hazard may occur within the County and City. Both ratings are on a scale of 0-4, with 4 being the most severe or the most likely to occur. Within the County, hazardous materials accidents are assigned a severity rating of 3 and a probability rating of 3. Within the City, hazardous materials accidents are assigned a severity rating of 3 and a probability rating of 3.

Underground Storage Tank Clean Up Program

Under contract with the State Water Resources Control Board (SWRCB), the Riverside County Department of Environmental Health, Local Oversight Program (LOP) oversees the investigation and cleanup of soil and groundwater contamination resulting from unauthorized releases of petroleum products (diesel fuel, gasoline, waste oil, etc.) from leaking underground storage tanks (UST). The cleanup of these sites is necessary to protect the groundwaters of the State from contamination and to protect the public from exposure to hazardous materials.[2]

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[1] Ibid.

[2] Riverside County Community Health Agency, Department of Environmental Health website, http://www.rivcoeh.org/opencms/rivcoeh/ProgServices/EPO_Division/LOP.html, accessed December 3, 2009.

Murrieta Emergency Operations Plan[3]

The City of Murrieta Emergency Operations Plan (EOP) addresses the planned response to extraordinary emergency situations associated with natural disasters, national security emergencies, and technological incidents affecting the City of Murrieta. The EOP describes the operations of the City of Murrieta Emergency Operations Center (EOC), which is the central management entity responsible for directing and coordinating the various City departments and other agencies in their emergency response activities. The EOC centralizes the collection and dissemination of information about the emergency and makes policy-level decision about response priorities and the allocation of resources. As part of the City's Emergency Management Program, the EOC Manager (Fire Division Chief) is responsible for ensuring the readiness of the EOC.

The City of Murrieta has developed a set of quick response references (checklist) for the Murrieta EOC. The set checklist is located in Part Two of the City's Emergency Operation Plan. The checklist enumerates issues that are related to hazardous materials accidents.

5.14.2 ENVIRONMENTAL SETTING

MAJOR SOURCES OF HAZARDOUS WASTE MATERIALS INCIDENTS

Transport of Hazardous Materials/Waste

Hazardous substance incidents are likely to occur within the City of Murrieta due to the multitude of transportation systems (highways and railways). Transportation of hazardous materials/wastes is regulated by *CCR Title 26*. Major transportation routes within the City include surface streets and freeways. Regional access to the City and its Sphere of Influence is provided primarily by Interstates 15 and 215 (I-15 and I-215, respectively), which traverse generally through the western and central portion of the City. Another significant regional roadway facility is State Route 79 (SR-79 or Winchester Road) along the eastern border of Murrieta.[4]

Fixed Facility

Many businesses within the City handle, transport, and/or store hazardous materials. Also, commercial and retail businesses in Murrieta have very small amounts of hazardous materials. Many smaller chemical users such as school laboratories and stores likely maintain hazardous materials on-site. These hazardous materials may threaten human health or the environment.

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[3] Murrieta Emergency Operations Plan, Part 1: Basic Plan, and City of Murrieta Emergency Operations Plan, Part 2: Supporting Documents, City of Murrieta, June 2008.

[4] *City of Murrieta General Plan, Circulation Element*, prepared by EIP Associates, updated January 10, 2006.

Potential hazards are found in materials that are toxic, flammable, corrosive, or reactive. It should be noted that existing Federal, State, and local laws regulate the use, transport, disposal, and storage of hazardous materials within the City.

Agricultural Businesses[5]

The agricultural businesses in and around the City may also be a likely source of hazardous materials incidents. Accidental releases of fertilizers, pesticides, and other agricultural chemicals may be harmful to the public health, safety, and the environment.

Illegal Laboratories

Another source of hazardous materials incidents is the illegal manufacturing of drugs in clandestine laboratories. In many instances, the residue and hazardous waste from these laboratories are illegally dumped, posing a major public health and safety hazard and a threat to the environment.

Clandestine Dumping

Clandestine dumping of toxic materials and hazardous materials/waste on public or private property is a criminal act due to the health and safety threat it poses. As the costs and restrictions increase for legitimate hazardous waste disposal sites, it is anticipated that illegal dumping of hazardous materials would increase proportionately.

Hazardous Materials Sites

Businesses can generate hazardous waste, and generally include automotive services, dry cleaners, photo processing, printing, lithography, and medical services. Potential hazards associated with hazardous materials include fires, explosions, and leaks.

The storage of hazardous materials in businesses poses a threat to occupants, the public, neighboring occupancies and fire fighters. Hazardous materials disclosure allows for the inspection and notification of all businesses within the City that generate, store, and use hazardous materials. The Murrieta Fire Department takes an active role in the inspection of businesses with hazardous materials. The Murrieta Fire Department monitors the CUPA data to ensure that the data is timely and accurate.[6] Monitoring of sites that have contamination associated with underground tanks used to store petroleum products is the primary responsibility of the California Department of Health Services and the Regional Water Quality Control Board.[7]

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[5] *Murrieta Emergency Operations Plan, Part 1: Basic Plan*, and *City of Murrieta Emergency Operations Plan, Part 2: Supporting Documents*, City of Murrieta, June 2008.

[6] *Murrieta Fire Department Fire Protection Plan*, dated February 2005.

[7] *City of Murrieta General Plan, Safety Element*, prepared by EIP Associates, updated February 6, 2001.

Through regular inspections, the Murrieta Fire Department can identify hazardous conditions and can obtain compliance through the fire code for the safety of citizens and fire fighters, should a hazardous materials fire or release occur. In the event of a hazardous materials incident within the City, the Murrieta Fire Department would initially respond with further assistance provided by the CFD Hazardous Materials Response Team and the Riverside County Health Department.[8] The types and amounts of hazardous materials found in most communities, or passing through on freeways, have created a very real challenge to the fire service. All Murrieta Fire Department personnel receive first responder operations training for hazardous materials, and are also trained in hazardous materials decontamination procedures. Personnel are trained to determine if a problem exists, isolate the problem, and assist an advanced team when they arrive.[9]

REPORTED REGULATORY PROPERTIES

Department of Toxic Substances Control

RBF Consulting searched the City and its Sphere of Influence on the EnviroStor Database. The EnviroStor Database was developed by the DTSC to allow the public to search for properties regulated by the DTSC's Site Mitigation and Brownfields Reuse Program where extensive investigation and/or cleanup actions are planned or have been completed.[10] The following search resulted in one listed regulatory property located within the boundaries of the City; refer to *Table 5.14-1*, *DTSC & Geo Tracker Identified Regulatory Sites Within Murrieta* for a detailed listing of the property and refer to *Exhibit 5.14-1*, *Regulatory Sites Within Murrieta* for the location of the property.

GeoTracker

The Geographic Environmental Information Management System (GEIMS) is a data warehouse that tracks regulatory data about underground fuel tanks, fuel pipelines, and public drinking water supplies using GeoTracker. GeoTracker and GEIMS were developed pursuant to a mandate by the California State Legislature (AB 592, SB 1189) to investigate the feasibility of establishing a Statewide GIS for leaking underground fuel tank (LUFT) sites.

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8 *City of Murrieta Final General Plan EIR*, prepared by EIP Associates, June 1994.

9 *Murrieta Fire Department Fire Protection Plan*, dated February 2005.

10 RBF Consulting makes no claims as to the completeness or accuracy of EnviroStor Database; our review of EnviroStor Database's findings can only be as current as their listings and may not represent all known or potential hazardous waste or contaminated sites.

Table 5.14-1
DTSC & GEO TRACKER Identified Regulatory Sites Within Murrieta

Site Name/ Address	Site Information	Cleanup Status
Crossroads Investors III, LLC 24250 Adams Avenue[1]	The 20-acre site consists of a vacant lot bounded by a private elementary school to the southeast, Jefferson Avenue to the northeast, single family dwellings to the northwest, and Adams Avenue to the southwest. In the 1950's a portion of the site was used for a lead acid battery reclamation and processing facility. Since then part of the buildings were used for a Christian school (1960s to 1977). Due to the lead contamination from the battery recycling operation, the U.S. Environmental Agency (USEPA) conducted site investigation and emergency remediation at the site in 1988 at a request from the Riverside County Environmental Health Department. The emergency remediation work included scraping of contaminated soil and placing it beneath an asphalt cover on the site. Under the DTSC oversight the Draft Removal Action Workplan (RAW) proposed to remove all contaminated soil posing health risk, and dispose it off site at a regulated facility. Some less contaminated soil posing a lower health risk will be removed from the site and may be processed elsewhere for reuse.	No Cleanup Status Certified as of 12/24/02
Bear Creek Golf Course 22640 Bear Creek Drive N	Leaking Underground Tank (LUST) Cleanup Site	Completed – Case Closed
Calvary Chapel 39405 Murrieta Hot Springs Road	Leaking Underground Tank Cleanup Site	Completed – Case Closed
Chevron Station #201241 40500 California Oaks Road	Leaking Underground Tank Cleanup Site	Open – Assessment & Interim Remedial Action
Gerald Johnson Property 42451 Guava Street	Leaking Underground Tank Cleanup Site	Completed – Case Closed
Inco Development Corporation 24391 Washington	Leaking Underground Tank Cleanup Site	Completed – Case Closed
Mobil Service Station 18-BX6 39850 Los Alamos Road	Leaking Underground Tank Cleanup Site	Completed – Case Closed
Murrieta Nursery 41541 Ivy Street	Leaking Underground Tank Cleanup Site	Open – Site Assessment
Rancho California Spa II 40050 Murrieta Hot Springs	Leaking Underground Tank Cleanup Site	Completed – Case Closed
Shell Service Station 39614 Los Alamos	Leaking Underground Tank Cleanup Site	Open – Verification Monitoring
Shell Service Station 121641 25336 Madison Avenue	Leaking Underground Tank Cleanup Site	Open – Site Assessment

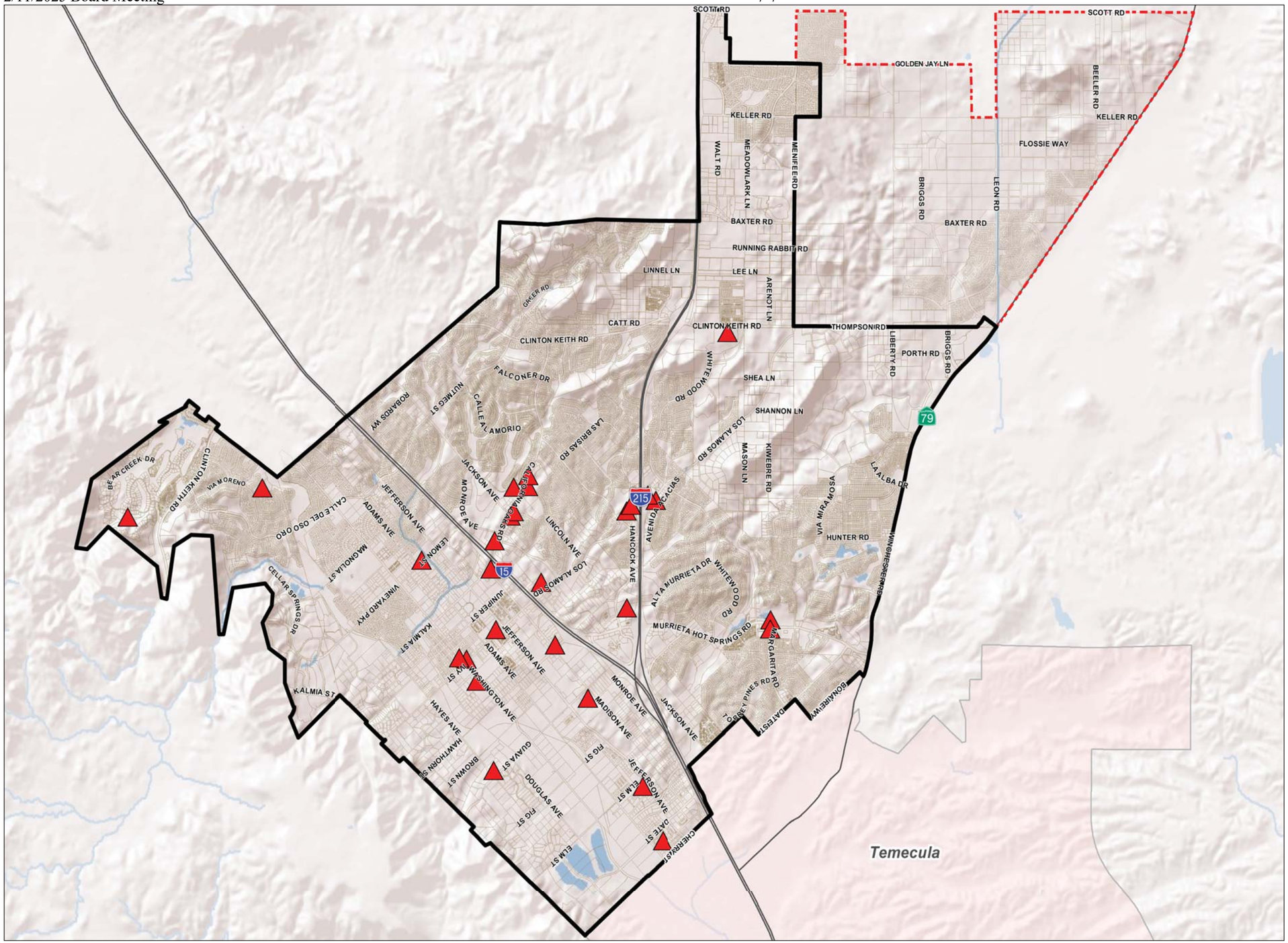
Table 5.14-1 [continued]
DTSC & GEO TRACKER Identified Regulatory Sites Within Murrieta

Site Name/ Address	Site Information	Cleanup Status
Stan's Service 41991 Ivy Street	Leaking Underground Tank Cleanup Site	Open – Remediation
AM/PM Mini Market #5471 41240 Kalmia Street	Permitted Underground Storage Tank Facilities	-
California Oaks Shell 40981 California Oaks Road	Permitted Underground Storage Tank Facilities	-
Chevron Stations Inc. #1484/201241 40500 California Oaks Road	Permitted Underground Storage Tank Facilities	-
Excalibur Fuels #5 40648 California Oaks Road	Permitted Underground Storage Tank Facilities	-
Grease Monkey Monroe Avenue	Permitted Underground Storage Tank Facilities	-
Mobil Station #18-BX6 39850 Los Alamos Road	Permitted Underground Storage Tank Facilities	-
Murrieta Shell 39614 Los Alamos Road	Permitted Underground Storage Tank Facilities	-
Rancho Springs Medical Center 25500 Medical Center Drive	Permitted Underground Storage Tank Facilities	-
SKS, Inc. 41981 Avenida Alvarado	Permitted Underground Storage Tank Facilities	-
Texaco #2128 40375 California Oaks Road	Permitted Underground Storage Tank Facilities	-
Texaco Star Mart 25336 Madison Avenue	Permitted Underground Storage Tank Facilities	-
Verizon Murrieta Company 24961 Washington Avenue	Permitted Underground Storage Tank Facilities	-

Table 5.14-1 [continued]
DTSC & GEO TRACKER Identified Regulatory Sites Within Murrieta

Site Name/ Address	Site Information	Cleanup Status
Verizon Temecula Company 41611 Reagan Avenue	Permitted Underground Storage Tank Facilities	-
Cole Canyon School Site Via Alisol	DTSC Cleanup Sites	No Action Required
Crossroads Investors III, LLC 24250 Adams Avenue	DTSC Cleanup Sites	Certified
Elementary School No. 9 Early Lane/Winchester Drive/Hunter Road	DTSC Cleanup Sites	No Action Required
Elementary School Site No. 10	DTSC Cleanup Sites	No Action Required
High School No. 3 Los Alamos Monroe Avenue	DTSC Cleanup Sites	No Further Action
Regional Learning Center – Murrieta 41350 Guava Street	DTSC Cleanup Sites	No Action Required
Sunny Fresh Cleaners 39605 E. Los Alamos Road, Suite E	DTSC Cleanup Sites	Refer: 1248 Local Agency
Vista Murrieta High Whitewood Road/Clinton Keith Road	DTSC Cleanup Sites	No Acton Required
Classic Cleaners 40605 California Oaks Road	Other Cleanup Sites	Open - Remediation
Las Brisas Cleaners	Other Cleanup Sites	Open – Site Assessment

Source: Geotracker website, http://geotracker.waterboards.ca.gov/map/default.asp, accessed December 7, 2009.
1. Department of Toxic Substances Control, EnviroStor Database, http://www.envirostor.dtsc.ca.gov/public/, accessed December 7, 2009.



LEGEND

- Hazardous Sites
- Parcels
- Sphere of Influence
- City Boundary

0 0.5 1
Miles

Source: City of Murrieta, ESRI, Geotracker, Department of Toxic Substances Control, EnviroStor Database.

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Regulatory Sites Within Murrieta

Exhibit 5.14-1

Back of 11 x 17 color

RBF Consulting searched the City and its Sphere of Influence on the GeoTracker database. GeoTracker was developed pursuant to a mandate by the California State Legislature to investigate the feasibility of establishing a statewide Geographic Information System (GIS) for leaking underground fuel tank (LUFT) sites and is maintained by the SWRCB.[11] The following search resulted in 34 listed regulatory properties located within the boundaries of the City; refer to *Table 5.14-1* for detailed listings of the properties and refer to *Exhibit 5.14-1* for locations of the sites.

Airport Hazards

The Riverside County Airport Land Use Commission adopts plans to protect and promote the safety and welfare of airport users and residents in the airport vicinity. Specifically, these plans seek to protect the public from the adverse effects of aircraft noise, to ensure that people and facilities are not concentrated in areas susceptible to aircraft accidents, and to ensure that no structures or activities encroach upon or adversely affect the use of navigable airspace. The *Riverside County Airport Land Use Compatibility Plan* contains land use restrictions for the French Valley Airport that affect land use densities and building heights within the City of Murrieta.

The French Valley Airport is a County-owned public-use airport located on SR-7, north of the City of Temecula in their Sphere of Influence, and adjacent to the Murrieta's eastern City boundary. The airport is primarily used for single engine fixed-wing general aviation aircraft. Airport activity is anticipated to increase from approximately 98,000 annual operations in 2009 to 185,000 in about 15 years. The airport's existing runway is 6,000 feet in length. Also planned is the construction of a 3,600-foot parallel runway 700 feet to the east, along with an upgraded present nonprecision instrument approach to Runway 18 (from the north).

The airport influence area boundary coincides with the outer edge of the FAR Part 77 conical surface for the airport to the north and south. To the east and west, the airport influence area encompasses the north aircraft traffic patterns.

Five compatibility zones within the airport influence area boundary have been defined in the Riverside County Airport Land Use Compatibility Plan Policy Document: Zone A (Runway Protection Zone and within Building Restriction Line), Zone B1 (Inner Approach/Departure Zone), Zone B2 (Adjacent to Runway), Zone C (Extended Approach/Departure Zone), Zone D (Primary Traffic Patterns and Runway Buffer Area), and Zone E (Other Airport Environs). In addition, certain areas have been designated within a height review overlay zone (airspace review required for objects greater than 35 feet tall).

[11] RBF Consulting makes no claims as to the completeness or accuracy of GeoTracker; our review of GeoTracker's findings can only be as current as their listings and may not represent all known or potential hazardous waste or contaminated sites.

Portions of the City are located within Zone B1, Zone C, Zone D, Zone E, and the height review overlay zone (refer to *Exhibit 5.1-1*, *French Valley Airport Compatibility Zones*). Zone C prohibits children's schools, day care centers, libraries, hospitals, nursing homes, buildings with greater than three stories of aboveground habitable floors, and highly noise-sensitive outdoor non-residential uses. Zone D prohibits highly noise-sensitive outdoor non-residential uses. Zones C, D, and E prohibit hazards to flight, which can include physical (e.g., tall objects), visual, and electronic forms of interference with the safety of aircraft operations. In addition, land use development that may cause the attraction of birds to increase is also prohibited. The Plan also includes compatibility policies for the French Valley Airport that address the calculation of residential densities in Zone D, intensity criteria for Zones B1 and C, non-residential intensities for Zone, and calculations regarding the concentration of people.

Uses presently existing or planned within Zones C, D, and E in the City include vacant land, rural and single-family residential, commercial, business park, and open space.

5.14.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the CEQA Guidelines) have been utilized as thresholds of significance in this Section. Accordingly, hazardous materials impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Create a significant hazard to the public or the environment through the routing transport, use, or disposal of hazardous materials.
- Create a significant hazard to the pubic or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment.
- Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school.
- Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment.
- For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area.
- For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area.

- Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.14.4 PROJECT IMPACTS AND MITIGATION MEASURES

HAZARDOUS MATERIALS USE, GENERATION, TRANSPORT, OR DISPOSAL

FUTURE DEVELOPMENT IN ACCORDANCE WITH THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN AN INCREASED RISK OF UPSET ASSOCIATED WITH THE ROUTINE USE, GENERATION, TRANSPORT, OR DISPOSAL OF HAZARDOUS MATERIALS, WHICH MAY POTENTIALLY POSE A HEALTH OR SAFETY HAZARD.

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Risk of upset can involve scenarios that could adversely affect the health of the public and scenarios that could discharge hazardous materials into the environment. Many types of businesses utilize various chemicals and hazardous materials, or their routine business operations involve chemicals that are manufactured, warehoused, or transported. Currently, a variety of existing business operations in the City use, store, or transport hazardous substances, as well as generate hazardous waste. The types and quantities of hazardous materials utilized by the various types of businesses that could locate in the City would vary tremendously and, as a result, the nature of potential hazards would also be varied. Such substances could range from common automobile oil and household pesticides to chlorine, dry-cleaning solutions, ammonia, or substances used in commercial and industrial operations. Therefore, any non-residential development that occurs within the City may result in an increase in hazardous materials use, transport, or generation of hazardous waste.

Since the proposed General Plan 2035 does not involve any specific development projects, no specific type of hazard associated with the use of these materials can be identified and the likelihood of a hazard presenting a serious health or safety hazard/risk to the public cannot be determined at this time. However, there is a possibility that future nonresidential development in the City would require or engage in operations that involve the use and transport of hazardous materials. The consequence of this increase of hazardous materials in the City is an increase in the potential for human exposure to these substances, with possible public health and safety consequences.

Chemical storage of any kind over specific quantities (such as 55 gallons of petroleum product) must be publicly reported in accordance with California Proposition 65. Business Plans for businesses storing substances above minimum reporting requirements must be prepared and kept on file with the Riverside County Hazardous Materials Management Division. Additionally, the hazardous materials disclosure would allow for the inspection by and notification to the Murrieta Fire Department of all businesses that generate, store, and use hazardous materials. Based on the disclosure information, the Murrieta Fire Department would take an active role in the inspection of businesses with hazardous materials, and would monitor the CUPA data to ensure that the data is timely and accurate.

The Murrieta Fire Department inspects these businesses every year for adequate storage, handling, and labeling practices and notes changes in quantities. Business contact names, diagrams for storage locations and emergency spill procedures are part of these Business Plans, which are submitted and approved by the Murrieta Fire Department. In addition, Proposition 65 requires a material safety data sheet (MSDS) be kept at the business, for each chemical used and stored at each business, which outlines the chemical components and safety handling measures to be followed by employees.

Monitoring of sites which have contamination associated with underground tanks used to store petroleum products is the primary responsibility of the California Department of Health Services and the Regional Water Quality Control Board. Aboveground tanks storing hazardous chemicals would have secondary containment to collect fluids that are accidentally released. Underground storage tanks and connecting piping would be double-walled and would have monitoring devices with alarms installed to constantly monitor for unauthorized releases in accordance with Federal, State, and local standards.

Elementary, middle, and high schools are located within the City (refer to *Section 5.19*, *School Facilities*). New businesses that locate near residential areas or within ¼-mile from a school may expose these sensitive land uses to greater risk of exposure to hazardous materials, wastes, or emissions. Methods such as a buffer in the form of a major street, channel, or intervening land use can be used to separate residential areas from industrial areas.

The proposed General Plan 2035 allows for commercial and office uses that may involve the storage and/or use of hazardous materials. Implementation of mitigation measures requiring the adoption of development standards to ensure that future developments that include residential uses near commercial or office development does not create unacceptable risk to residents to hazardous materials would reduce impacts to a less than significant level.

While the risk of exposure to hazardous materials cannot be eliminated, measures can be implemented to maintain risk to acceptable levels. Compliance with measures established by Federal, State and local regulatory agencies is considered adequate to offset the negative effects related to the use, storage and transport of hazardous materials in the City. In addition, the following goals and policies in the proposed General Plan 2035 Safety Element, as well as the

recommended mitigation measures, would further reduce hazardous materials impacts to a less than significant level.

Goals and Policies in the Proposed General Plan 2035:

SAFETY ELEMENT

Goal SAF-1 People and properties are provided with protection from natural and man-made hazards.

Policies

SAF-1.2 Coordinate public safety responses and planning for hazards with agencies at the County, regional, state, and federal levels.

SAF-1.3 Collect and maintain current information on local hazards, and make it available for public use.

SAF-1.5 Promote coordination among City departments to provide for safety in new development and/or annexation areas.

Goal SAF-8 A community that is protected from the harmful effects of hazardous materials, hazardous waste, and environmental contamination.

Policies

SAF-8.1 Require geologic investigations for sites of proposed uses that manufacture, handle, or store hazardous or explosive materials.

SAF-8.2 Ensure that land uses involved in the production, storage, transportation, handling, or disposal of hazardous materials are located and operated to reduce risk to other land uses.

SAF-8.3 Designate appropriate routes for transportation of hazardous materials that are used or produced by facilities in the City.

SAF-8.4 Require that new pipelines and other channels carrying hazardous materials avoid residential areas and other sensitive land uses to the greatest extent possible.

SAF-8.5 Raise public awareness of appropriate disposal for household hazardous waste, and publicize collection events and locations.

SAF-8.6 Promote the use of integrated pest management techniques to keep City properties free of herbicides and pesticides.

SAF-8.7 Encourage and educate residents and businesses to implement integrated pest management principles and reduce or discontinue the use of pesticides and herbicides on their property.

SAF-8.8 Comply with the Riverside County Hazardous Waste Management Plan.

SAF-8.9 Support Caltrans and California Highway Patrol efforts to ensure safe transportation of hazardous materials on freeways.

SAF-8.10 Ensure that all personnel of the Murrieta Fire Department are trained and ready to operate at the level of Hazardous Materials First Responder.

SAF8.11 Coordinate with other agencies to improve the containment and clean up of hazardous material spills.

SAF-8.12 Ensure that Fire Department personnel receiving training to achieve the Hazardous Materials Technician level.

SAF-8.13 When approving new development, ensure that the site:

- Is sufficiently surveyed for contamination and remediation, particularly for sensitive uses near existing or former toxic or industrial sites.
- Is adequately remediated to meet all applicable laws and regulations, if necessary.
- Is suitable for human habitation.
- Is protected from known hazardous and toxic materials.
- Does not pose higher than average health risks from exposure to hazardous materials.

SAF-8.14 Strive to identify unidentified contaminated sites in the City, particularly on sites with a high likelihood of past contamination, such as old gas stations or industrial sites, and work with the property owners and applicable agencies to remediate them.

Mitigation Measures:

HHM-1 The Community Development Department, in cooperation with the Murrieta Fire Department and the Riverside County Community Health Agency, Materials Management Division, shall provide information to businesses on viable alternatives to hazardous materials. Create an informational pamphlet with

existing hazardous material substitutions and retailers that sell the materials. Offer the information to applicable business owners who are required to file as a hazardous waste handler in the City.

HHM-2 The Community Development Department, in cooperation with the Murrieta Fire Department and the Riverside County Community Health Agency, Materials Management Division, provide information on viable alternatives to household hazardous materials on the City's website so households may use alternatives. Information will also educate the public to the health, safety, and environmental benefits of using non-hazardous substitutions.

Level of Significance After Mitigation: Less Than Significant Impact.

ACCIDENTAL RELEASE OF HAZARDOUS MATERIALS

■ ACCIDENTAL RELEASE OF HAZARDOUS MATERIALS USED, STORED, OR TRANSPORTED IN THE CITY AS A RESULT OF IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN A PUBLIC HEALTH RISK.

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Implementation of the proposed General Plan 2035 would result in an increase in residential units and an increase in business park, industrial, office, commercial, and civic and institutional uses throughout the City, particularly within the five Focus Areas targeted for land use change in the proposed General Plan 2035. As noted above, the uses could increase the use and transport of hazardous materials in the City of Murrieta. The increased use and transport of hazardous materials in the City increases the potential for accidental releases of hazardous materials, which poses a threat to the health and safety of residents.

Typical incidents that could result in accidental release of hazardous materials include leaking underground storage tanks, accidents during transport causing a "spill" of a hazardous materials and/or natural disasters causing the unauthorized release of a substance. If not cleaned up immediately and completely, these and other types of incidents could cause contamination of soil, surface water and groundwater, in addition to any toxic fumes that might be generated. Depending on the nature and extent of the contamination, groundwater supplies could become unsuitable for use as a domestic water source. Human exposure to contaminated soil or water could have potential health effects depending on a variety of factors, including the nature of the contaminant and the degree of exposure.

Accidental releases would most likely occur in the commercial and industrial areas and along transportation routes leading to and from these areas. The major transportation corridors in the City of Murrieta include I-15, I-215, Murrieta Hot Springs Road, and Winchester Avenue (SR-79). It is along these roads that most of the businesses that are likely to use, transport, dispose of, or create hazardous materials are located.

The proposed General Plan 2035 has identified future growth throughout the City, which includes residential, commercial, office, business park, industrial, and civic land uses. Approval of the proposed General Plan 2035 by the City would allow for the development of those uses. The level of risk associated with hazardous materials would be evaluated on a project-by-project basis during the development process. With implementation of the aforementioned proposed General Plan 2035 goals and policies, and Mitigation Measures HM-1 through HM-2, any potential hazardous materials release pertaining to soil, surface water, and/or groundwater contamination would be confirmed and, if necessary, characterized and remediated to the standards set by the applicable Federal State, and local regulatory agencies.

The Hazardous Materials Release Response Plans and Inventory Law of 1985 (or the Business Plan Act) requires that a business that uses, handles, or stores hazardous materials above a certain quantity prepare a plan which must include an inventory of hazardous substances on the premises. A Risk Management and Prevention Plan (RMPP) may be required for businesses that use acutely hazardous substances and are located in proximity to sensitive land uses. As a part of the Risk Management and Prevention Plan, businesses that handle acutely hazardous materials must include a hazard and operability study (HAZOP), which analyzes potential hazards to sensitive populations in the vicinity. The Murrieta Hazardous Materials Management Division is the CUPA for Riverside County that is responsible for regulating hazardous materials business plans and chemical inventory, hazardous waste and tiered permitting, underground storage tanks, and risk management plans. These plans are intended to mitigate potential release of hazardous substances and minimize potential harm or damage. Oversight by the appropriate agencies and compliance with applicable regulations are considered adequate to offset the negative effects related to the accidental release of hazardous materials in the City.

Contaminated groundwater may exist from the non-active landfill located within the City. Potential accidental releases as a result of impacting groundwater during construction activities would be analyzed on a project-by-project basis. Implementation of Mitigation Measure HM-3 would reduce impacts to a less than significant level. Also, refer to Section 5.13, Hydrology, Drainage and Water Quality for further discussion regarding water quality.

Compliance with measures established by Federal, State and local regulatory agencies is considered adequate to offset the negative effects related to the reasonably foreseeable upset and accident conditions involving the release of hazardous materials in the City. In addition, the aforementioned General Plan 2035 Safety Element goals and policies, along with implementation of Mitigation Measure HHM-3, would further reduce accidental release of hazardous materials impacts to a less than significant level. Also, refer to Mitigation Measures HHM-1 through HHM-2.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.14.

Mitigation Measures: Refer to Mitigation Measures HHM-1 and HHM-2. In addition, the following mitigation is recommended.

HHM-3 Prior to development approval on a project-by-project basis, the project applicant shall confirm the presence or absence of hazardous materials pertaining to the release of hazardous materials into the soil, surface water, and/or groundwater. If necessary, development shall undergo site characterization and remediation on a project-by-project basis, per applicable Federal, State, and/or local standards and guidelines set by the applicable regulatory agency.

Level of Significance After Mitigation: Less Than Significant Impact.

HAZARDOUS MATERIALS SITES

- **FUTURE DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD IMPACT HAZARDOUS MATERIAL SITES LISTED ON GOVERNMENT CODE SECTION 65962.5 AND CREATE A SIGNIFICANT HAZARD TO THE PUBLIC OR THE ENVIRONMENT.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Approximately 35 hazardous materials sites (refer to *Table 5.14-1*) have been listed within the City. Expansion or redevelopment of any of these sites may require remediation to meet Federal, State, and local standards. Future development would be evaluated on a project-by-project basis to determine if such sites are listed on a current regulatory hazardous materials site list. Since the proposed General Plan 2035 does not include any specific development and subsequent development would be evaluated pursuant to CEQA or other applicable Federal or State requirements, less than significant impacts are anticipated in this regard.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.14.

Mitigation Measures: Refer to Mitigation Measures HHM-1 though HHM-3. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

AIRPORT HAZARDS

- **NEW STRUCTURES BUILT WITHIN THE VICINITY OF THE LOCAL AIRPORT OR PRIVATE AIRSTRIP COULD RESULT IN A SAFETY HAZARD FOR PEOPLE RESIDING OR WORKING WITHIN THE AREA.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: There are no private airstrips located within the City, but the French Valley Airport, which is a County-owned public-use airport, is located on SR-79 (Winchester Road) in unincorporated Riverside County east of Murrieta, adjacent to Temecula and Winchester. The airport is primarily used for single engine fixed-wing general aviation aircraft. Airport activity is anticipated to increase from approximately 98,000 annual operations in 2009 to 185,000 in about 15 years.

As a result of implementation of the proposed General Plan 2035, structures and individuals within the flight pattern of the French Valley Airport could be subjected to the potential of off-airport accidents. However, the proposed General Plan 2035 is not recommending any land use changes for the areas within the French Valley Airport Compatibility Zones.

The Riverside County Airport Land Use Commission has established compatibility zones. The land use restrictions for each of the compatibility zones provide the necessary limitations to reduce the potential impacts of off-airport accidents to persons and property on the ground. In addition, specific land use regulations regarding FAA notification imaginary surfaces, aircraft noise, and building heights have been implemented to reduce impacts of aircraft overflight to a less than significant level. Lastly, the following proposed General Plan 2035 Land Use Element goal and policies and Mitigation Measure HHM-4 would further reduce impacts to a less than significant level.

Goals and Policies in the Proposed General Plan 2035:

LAND USE ELEMENT

Goal LU-25 Collaboration with Federal, State, County, and other regional agencies and authorities to ensure compliance with existing and future legislation that affects the City of Murrieta.

Policies

LU-25.8 Establish land use patterns that protect the public from impacts (noise, potential accidents) associated with the French Valley Airport, through the following:

- Consult with the Riverside County Airport Land Use Commission to ensure consistency with the scope and intent of the Airport Land Use Commission Law.
- Allow development in accordance with the Riverside County Airport Land Use Compatibility Plan and the French Valley Airport Compatibility Zones.
- Prohibit structures that are determined to be a "hazard" by the Federal Aviation Administration within the Riverside County Airport Land Use Compatibility Plan.
- Monitor legislation and regulations established by the Riverside County Airport Land Use Commission.

LU-25.9 Work closely with the Riverside County Airport Land Use Commission and other involved agencies in the development and review of the French Valley Airport Land Use Plan and other planning and environmental studies.

LU-25.10 Submit tentative tract maps and parcels maps to the Riverside County Airport Land Use Commission for consistency review. This is applicable to properties designated as Large Lot Residential and Single-Family Residential in the General Plan and that are located within Compatibility Zones C and D in the French Valley Airport Land Use Compatibility Plan.

LU-25.11 Submit commercial development and places of assembly to the Riverside County Airport Land Use Commission for consistency review with the applicable average and single-acre population intensity limits in the French Valley Airport Land Use Compatibility Plan for properties within Compatibility Zones B1, C, and D.

LU-25.12 Require new development that is 10 acres or larger in area incorporate open space area in compliance with the Riverside County Airport Land Use Compatibility Plan Section 4.2.4 and in compliance with the applicable compatibility zones requirements in the French Valley Airport Land Use Compatibility Plan.

Mitigation Measures:

HHM-4 The project applicant shall comply with the requirements of the Federal Aviation Administration (FAA) should any portions of the development be within a height overlay review zone or encroach within an imaginary surface surrounding the French Valley Airport. A Notice of Proposed Construction or Alteration (Form 7460-1) may be required by the FAA in accordance with Federal Aviation Regulations Part 77.

Level of Significance After Mitigation: Less Than Significant Impact.

EMERGENCY RESPONSE

- **FUTURE DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE GENERAL PLAN 2035 COULD RESULT IN INTERFERENCE WITH AN ADOPTED EMERGENCY RESPONSE OR EVACUATION PLAN.**

Level of Significance Before Mitigation: No Impact.

Impact Analysis: The proposed General Plan 2035 does not propose any changes to the City of Murrieta Operations Plan. Rather, the proposed General Plan 2035 serves to provide goals and policies to guide development and keep residents of Murrieta as protected as possible from potential hazards. Thus, no impacts would occur in this regard.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.14.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.14.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS TO PUBLIC HEALTH AND SAFETY.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: For this topic, the cumulative impacts are analyzed in terms of impacts within the City of Murrieta. An increase in population within the City of Murrieta would occur from implementation of the proposed General Plan 2035. This may increase demand on public health and safety services in the City. Additionally, new non-residential development may consist of additional facilities that use, store, produce or transport hazardous wastes, and therefore would utilize City and County health and safety services and increased exposure to residents who may also be employees of those businesses. As noted above, impacts related to hazards and hazardous materials would be reduced to less than significant with implementation

of the goals and policies of the proposed General Plan 2035, as well as implementation of the recommended mitigation measures.

As with projects resulting from implementation of the proposed General Plan 2035, regional projects would be required to evaluate their respective hazards and hazardous materials impacts on a project-by-project basis. Development occurring within the region would be required to comply with Federal, State and local regulations regarding the use, disposal and transport of hazardous materials. The additional contribution of the proposed General Plan 2035 would be less than significant regarding public health and safety impacts at a cumulative level. Thus, implementation of the proposed General Plan 2035 would not result in cumulatively considerable public health or safety impacts with implementation of recommended mitigation measures.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.14.

Mitigation Measures: Refer to Mitigation Measures HHM-1 through HHM-4. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

5.14.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Impacts related to hazardous materials, and public health and safety associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goal and policies in the proposed General Plan 2035 and the recommended mitigation measures. No significant unavoidable hazardous materials or public health and safety impacts would occur as a result of buildout of the proposed General Plan 2035.

5.14.7 SOURCES CITED

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General Plan Update

Section 5.15:
Water Supply

5.15 WATER SUPPLY

This section analyzes projected impacts to water supplies and distribution systems that may result from the implementation of the proposed General Plan 2035. The purpose of this analysis is to document and describe the existing water supply, water consumption, and distribution infrastructure in the City of Murrieta, and to evaluate impacts associated with buildout of the proposed General Plan 2035. This section is based upon information from the Eastern Municipal Water District (refer to Appendix L1); Elsinore Valley Water District (refer to Appendices M1, M2, and M3); Rancho California Water District (refer to Appendices N1, N2, and N3); and Western Municipal Water District (refer to Appendices O1 and O2).

5.15.1 REGULATORY SETTING

FEDERAL

Clean Water Act

The Clean Water Act (CWA) is a Federal law intended to protect surface waters of the United States (U.S.), which include lakes, rivers, coastal wetlands, and "waters of the U.S." The CWA regulates all discharges to waters, which are considered illegal unless authorized by an appropriate permit. Discharge of dredged and fill materials, construction-related storm water discharges, and other activities that may result in discharges of pollutants to waters of the U.S. are regulated by the permit. If waters of the U.S. are located on a project site, the project is likely to discharge to them, due to site topography and/or drainage characteristics. Potential discharges to such waters would be considered an impact, and the applicant would be required to obtain a CWA Section 401 Water Quality Certification from the appropriate Regional Water Quality Control Board (RWQCB).

Safe Drinking Water Act

The Safe Drinking Water Act (SDWA) was originally passed by Congress in 1974 to protect public health by regulating the nation's public drinking water supply. The law was amended in 1986 and 1996, and requires many actions to protect drinking water and its sources: rivers, lakes, reservoirs, springs, and ground water wells. The SDWA applies to every public water system in the United States.

The SDWA authorizes the U.S. EPA to set national health-based standards for drinking water to protect against both naturally-occurring and man-made contaminants that may be found in

drinking water. The U.S. EPA, states, and water systems work together to make sure that these standards are met.

Originally, the SDWA focused primarily on treatment as the means of providing safe drinking water at the tap. The 1996 amendments greatly enhanced the existing law by recognizing source water protection, operator training, funding for water system improvements, and public information as important components of safe drinking water. This approach ensures the quality of drinking water by protecting it from source to tap.

STATE

California Water Plan

The California Water Plan is prepared by the California Department of Water Resources. The Plan provides a framework for water managers, legislators, and the public to consider options and make decisions regarding California's water future. The Plan, which is updated every five years, presents basic data and information on California's water resources including water supply evaluations and assessments of agricultural, urban, and environmental water uses to quantify the gap between water supplies and uses.

The Plan also identifies and evaluates existing and proposed statewide demand management and water supply augmentation programs and projects to address the State's water needs. The Plan provides resource management strategies and recommendations to strengthen integrated regional water management. The resource management strategies help regions meet future demands and sustain the environment, resources, and economy, involve communities in decision-making, and meet various goals. A resource management strategy is a project, program, or policy that helps local agencies and governments manage their water and related resources. These strategies can reduce water demand, improve operational efficiency, increase water supply, improve water quality, practice resource stewardship, and improve flood management.

The Plan was last updated in 2009. The Department of Water Resources is currently working on the 2013 California Water Plan Update.

California Water Code

The *California Water Code* contains provisions that control almost every consideration of water and its use. Division 2 of the *California Water Code* provides that the State Water Resources Control Board (SWRCB) shall consider and act upon all applications for permits to appropriate waters. Division 6 of the *California Water Cod*e controls conservation, development, and utilization of the State water resources, while Division 7 addresses water quality protection and management.

Senate Bill 610

On January 1, 2002, Senate Bill (SB) 610 took effect. SB 610, which has been codified in the California Water Code beginning with Section 10910, requires the preparation of a water supply assessment (WSA) for projects within cities and counties that propose to construct 500 or more residential units or the equivalent. SB 610 stipulates that when environmental review of certain large development projects is required, the water agency that is to serve the development must complete a WSA to evaluate water supplies that are or will be available during normal, single-dry and multiple-dry years during a 20-year projection to meet existing and planned future demands, including the demand associated with the project.

SB 610 requirements do not apply to the general plans of cities or counties, but rather to specific development projects.

Senate Bill 221

Enacted in 2001, SB 221, which has been codified in the California Water Code beginning with Section 10910, requires that the legislative body of a city or county that is empowered to approve, disapprove, or conditionally approve a subdivision map must condition such approval upon proof of sufficient water supply. The term "sufficient water supply" is defined in SB 221 as the total water supplies available during normal, single-dry, and multiple-dry years within a 20-year projection that would meet the projected demand associated with the proposed subdivision. The definition of sufficient water supply also includes the requirement that sufficient water encompass not only the proposed subdivision, but also existing and planned future uses, including, but not limited to, agricultural and industrial uses.

SB 221 requirements do not apply to the general plans of cities and counties, but rather to specific development projects.

Urban Water Management Act

In 1983, the California Legislature enacted the Urban Water Management Planning (UWMP) Act (Division 6 Part 2.6 of the *California Water Code* Sections 10610 - 10656). The Act states that every urban water supplier that provides water to 3,000 or more customers, or that provides over 3,000 acre-feet of water annually, should make every effort to ensure the appropriate level of reliability in its water service sufficient to meet the needs of its various categories of customers during normal, dry, and multiple dry years. Section 10620 (a) requires "Every urban water supplier shall prepare and adopt an urban water management plan." The California Water Code describes the contents of the UWMP, as well as how urban water suppliers should adopt and implement the plans. These plans are to be updated every five years and submitted to the Department of Water Resources (DWR).

Requirements for the urban water management plans include:

- Assessment of current and projected water supplies
- Evaluation of Demand and Customer Types
- Evaluation of the reliability of water supplies
- Description of conservation measures implemented by the urban water supplier
- Response plan for in the event of water shortage
- Comparison of demand and supply projection

Porter-Cologne Water Quality Control Act

The Porter-Cologne Water Quality Control Act acts in cooperation with the CWA to establish the State Water Resources Control Board (SWRCB). The SWRCB is divided into nine regions, each overseen by a RWQCB. The SWRCB, and thus each RWQCB, is responsible for protecting California's surface waters and groundwater supplies.

The Porter-Cologne Water Quality Control Act develops Basin Plans that designate the beneficial uses of California's rivers and groundwater basins. The Basin Plans also establish narrative and numerical water quality objectives for those waters. Basin Plans are updated every three years and provide the basis of determining waste discharge requirements, taking enforcement actions, and evaluating clean water grant proposals. The Porter-Cologne Water Quality Control Act is also responsible for implementing CWA Sections 401-402 and 303(d) to SWRCB and RWQCBs.

California Title 22 Drinking Water Standards

California Title 22 Drinking Water Standards (*Title 22*) incorporates the Federal requirements of the Safe Drinking Water Act, and compliance with *Title 22* is required by all water service providers. Therefore, the monitoring of all regulated chemicals as well as a number of unregulated chemicals, in the drinking water supply, as required by *Title 22*, is conducted by water agencies in the upper watershed.

In order to be in compliance with *Title 22*, each water agency must ensure that the regulated chemicals meet established primary drinking water standards to ensure the safety of the water supply. In addition to the primary drinking water standards, secondary drinking water standards have been set for some minerals based on non-health-related aesthetics, such as taste and odor. Both primary and secondary standards are expressed as the maximum contaminated levels (MCL) that are allowable for a given constituent. Unregulated chemicals do not have established drinking water standards, but are chemicals of concern for which standards may be eventually adopted. These unregulated chemicals often have a "notification level," which is a health based advisory level established by California Department of Health Services (DHS) for chemicals in drinking water that lack MCLs.

LOCAL

Upper Santa Margarita Integrated Regional Water Management Plan

The Integrated Regional Water Management Plan (IRWMP) is a planning and management tool to facilitate efficient use of water resources and to develop effective water conservation measures using a regional- and watershed-based approach.

The intent of the IRWMP is to pave the way for greater watershed-wide coordination and management of water resources within the Santa Margarita Watershed as a whole, as well as adjoining watershed and regional planning and funding efforts. Through the IRWMP, regional water agencies, flood control districts, water districts, counties, cities, land and nature conservancies, universities, Indian tribes, Camp Pendleton Marine Corps Base, federal, state, local agencies, and other stakeholder groups collaborate across jurisdictional boundaries to implement water resource management projects to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions. The IRWMP also provides an opportunity to provide information on the present and future needs of the watershed for the California Water Plan.

Development of the IRWMP for the Upper Santa Margarita Watershed required a cooperative effort on the part of three agencies that have authority for planning and implementation of water management strategies in the watershed:

- Rancho California Water District (RCWD)
- Riverside County Flood Control and Water Conservation District (RCFC)
- County of Riverside

In June and July 2007, RCWD, RCFC, and the County of Riverside signed a Memorandum of Understanding (MOU) by which the three agencies agreed to cooperate and work collaboratively with other stakeholders in the Upper Santa Margarita Watershed in Riverside County toward the completion of the watershed's IRWMP.

Rancho California Water District

URBAN WATER MANAGEMENT PLAN

RCWD provides retail water for urban and agricultural uses to the City of Temecula, portions of the City of Murrieta, and unincorporated Riverside County lands in the surrounding area. RCWD comprises approximately 100,000 acres (approximately 156 square miles) in the southwestern portion of Riverside County, California. The RCWD UWMP complies with the Urban Water Management Planning Act. The Plan provides an assessment of water sources and supply, reliability of supplies, water use efficiency measures, and water demand and supply comparison. In addition, recent legislation, the Water Conservation Bill of 2009, requires urban

water suppliers to report in their UWMPs base daily per capita water use (baseline), urban water use targets for the year 2020, and interim water use targets for the year 2015. This information would be included in RCWD's 2010 UWMP Update, which is anticipated to be adopted by July 1, 2011.

REGIONAL INTEGATED RESOURCES PLAN

RCWD prepared a Regional Integrated Resources Plan (IRP) to develop a long-range water supply plan to reliably meet the needs of the District through 2050. The IRP addresses issues of imported water supply availability, system capacity constraints, rising imported water costs, and water quality. The IRP evaluates and examines a set of water supply objectives against different water supply alternatives such as increased water conservation, additional groundwater storage and reuse, conversion of agriculture from imported water to untreated water or advanced-treated recycled water, groundwater recharge using advanced-treated recycled water, and water transfers. The evaluation resulted in a preferred plan to meet the objectives and resulted in the following benefits: 1) increased groundwater production; 2) increased use of recycled water; 3) reducing peak imported water demand; and 4) water supply cost efficiency through multiple measures.

Western Municipal Water District

URBAN WATER MANAGEMENT PLAN

The Western Municipal Water District (WMWD) provides wholesale and retail water to the cities of Corona, Norco, and Riverside, other unincorporated areas, and the water agencies of Elsinore Valley and Rancho California. The WMWD consists of approximately 510 square miles within western Riverside County.

The WMWD Urban Water Management Plan (WMWD UWMP) identifies existing conditions within the District's retail water service area and addresses the long-term management of regional water supplies and ability to meet projected demands. Measures are identified for the long-term protection and provision of both potable and non-potable water to users within WMWD's General District.

INTEGRATED REGIONAL WATER MANAGEMENT PLAN

The Integrated Regional Water Management Plan (WMWD IRWMP) for the WMWD's service area addresses long-range water quantity, quality, and environmental planning needs within the District's service area. The WMWD IRWMP is intended to identify and evaluate water management strategies that could increase local water supply, thereby improving water supply reliability; address local and regional water quality, environmental, and disadvantaged community issues; identify regional planning efforts that impact water management within the WMWD's service area; estimate water demands by member agencies; identify water supplies

(e.g. local groundwater, recycled water, surface water, imported water) available to the agencies; and, coordinate investments in water management, as appropriate, between agencies.

Eastern Municipal Water District

URBAN WATER MANAGEMENT PLAN

The Eastern Municipal Water District (EMWD) Urban Water Management Plan (EMWD UWMP) was prepared to comply with the Urban Water Planning Act and provides assessment and verification of available water supply for areas served by the District, as required by Senate Bills 610 and 221 of 2001. The EMWD UWMP provides guidance and management measures for delivery of imported water to supplement local groundwater; groundwater production; desalination; water filtration; wastewater collection and treatment; and, regional water recycling.

City of Murrieta Municipal Code

California law required Murrieta and other local governments to adopt ordinances ensuring that large landscaped areas are designed to be water-efficient. Plant choices, efficient irrigation systems, and other landscape design techniques can reduce water consumption from large projects such as parks, golf courses, homeowner association sites, and institutional uses, as well as residential yards and smaller landscaped areas. In 2010, the City of Murrieta adopted the latest *Water Efficient Landscape Ordinance* (Chapter 16.27 Water Efficient Landscape). The purpose and intent of this ordinance is to:

- Promote water efficient landscaping, water use management, and water conservation through the use of water efficient landscaping, wise us of turf areas and appropriate use of irrigation technology and management;
- Reduce the water demands from landscape while maintaining landscape quality and quantity;
- Retain flexibility and encourage creativity through appropriate design;
- Ensure the attainment of water efficient landscape goals by requiring that landscapes not exceed a maximum water demand of eighty percent (80%) of its reference evapotranspiration (ETo) or any lower percentage as may be required by State legislations;
- Eliminate water waste from overspray and/or runoff; and
- Achieve water conservation by raising the public awareness of the need for an effective management program through education and incentives.

5.15.2 ENVIRONMENTAL SETTING

The City of Murrieta is located within the Santa Margarita Watershed, which drains a rectangular area of approximately 750 square miles (475,000 acres) in southwestern Riverside and northern San Diego Counties in southern California. The City is located within the portion of the watershed known as the Upper Santa Margarita Watershed.

GROUNDWATER RESOURCES

Groundwater is water contained within natural underground water systems below the Earth's surface wherein the water flows through porous formations called aquifers. Groundwater recharge is an important source of water supply to each of the retail water purveyors that serve the City and its Sphere of Influence. Numerous wells have been drilled within the groundwater basins to allow for the extraction of water from the underlying reservoirs.

Groundwater Basins

Major groundwater basins underlying the City and its Sphere of Influence include the Murrieta-Temecula Basin and the French Basin. The Murrieta-Temecula Basin is the largest groundwater basin in the hydrologic unit assigned to the area drained by the Santa Margarita River. The Murrieta-Temecula Basin underlies approximately 60,000 acres and has an estimated storage capacity of 1.2 million acre-feet.[1] The Basin extends from the Murrieta basin in the north to the base of the Aqua Tibia Mountains in the south, and east from the Santa Rosa Plateau to the mesa and valley areas. The Basin underlies all of portions of the Murrieta Creek channel, Warm Springs Creek, Pechanga, and Temecula Creeks, which serve as important sources of groundwater recharge for the underlying aquifers. Water flows from the Basin to the Lake Elsinore area in the northwest and to the Santa Margarita River to the southwest. Many wells extracting groundwater from this Basin are present within the Murrieta area.

In addition, from the northeast, the French Basin extends into the General Plan Study Area and is recharged by underflow from Auld Basin and other surface streams. The Basin underlies approximately 3,500 acres and discharges to Warm Springs Creek.

Groundwater quality varies within the Murrieta and French Basins. In general, water that is extracted at higher elevations and from deeper unconfined aquifers is typically of higher quality.

[1] City of Murrieta 1994 General Plan Technical Reports – Chapter V. Conservation/Open Space.

SURFACE WATER RESOURCES

The City of Murrieta and its Sphere of Influence are located within the inland portion of the Santa Margarita River Basin, which is comprised of approximately 750 square miles. Murrieta Creek and Temecula Creek collect water from the upper watershed and represent the main tributaries to the Santa Margarita River.

Murrieta Creek generally runs through the Murrieta Valley, slowing southwesterly through the older areas of the City between Interstate 15 and the base of the Santa Rosa Plateau. Murrieta Creek generally runs from the northern limits of Murrieta to the southern City limit near Cherry Street, along the Rancho Temecula Line. Murrieta Creek joins with Temecula Creek near Temecula Canyon, southwest of Temecula, to form the Santa Margarita River. From this point, the Santa Margarita River flows to the Pacific Ocean.

Murrieta Creek extends approximately 14 miles and drains an area approximately 220 square miles, or 37 percent, of the upper watershed.[2] Stream courses occur intermittently throughout the area and transport seasonal runoff from area slopes and valleys to the Creek. Major tributaries to Murrieta Creek include Santa Getrudis Creek, Tucalota Creek, and Warm Springs Creek. Storm water runoff represents the primary source of surface water within the Murrieta Creek Basin. Additional sources of surface water include groundwater from springs, runoff from agricultural uses, and snowmelt. Streamflow within the Murrieta Creek Basin is generally ephemeral, although various sections occur where streamflow is perennial flow with visible standing or flowing waters; however, stream flow within the Creek is highly variable, both on a seasonal and annual basis.

Warm Springs Creek extends approximately 21 miles and drains extensive valley and upland areas. The Creek generally flows southwest from its headwaters in the Domenigoni Valley, through the Murrieta Hot Springs area, to its confluence with Murrieta Creek in the southern portion of the City. Warm Springs Creek is generally without improvements, with exception of the Warm Springs Channel which runs from Murrieta Creek to Interstate 15 (I-15).

In addition, Diamond Valley Lake, operated by the Metropolitan Water District of Southern California (MWD), is a reservoir located at the northernmost portion of the Santa Margarita Watershed. The Diamond Valley Lake, constructed in the Domenigoni Valley approximately four miles southwest of the City of Hemet, provides an additional 810,000 acre-feet of water storage.[3] MWD also operates a reservoir located at Lake Skinner, located approximately seven miles to the northeast of Murrieta. Lake Skinner Reservoir provides storage for imported water at a capacity of approximately 44,000 acre-feet.

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[2] City of Murrieta 1994 General Plan Technical Reports – Chapter V. Conservation/Open Space.

[3] Metropolitan Water District of Southern California. http://www.mwdh2o.com/index.htm. Accessed January 8, 2010.

WATER SUPPLY

Water supply for the City comes from local sources of groundwater and surface water, imported from the Metropolitan Water District's Colorado River Aqueduct and the State Water Project, recycled water reclamation facilities, and water transfers and exchanges. The City receives water from four water and wastewater Districts:

- Rancho California Water District (RCWD)
- Elsinore Valley Municipal Water District (EVMWD)
- Western Municipal Water District (WMWD)
- Eastern Municipal Water District (EMWD)

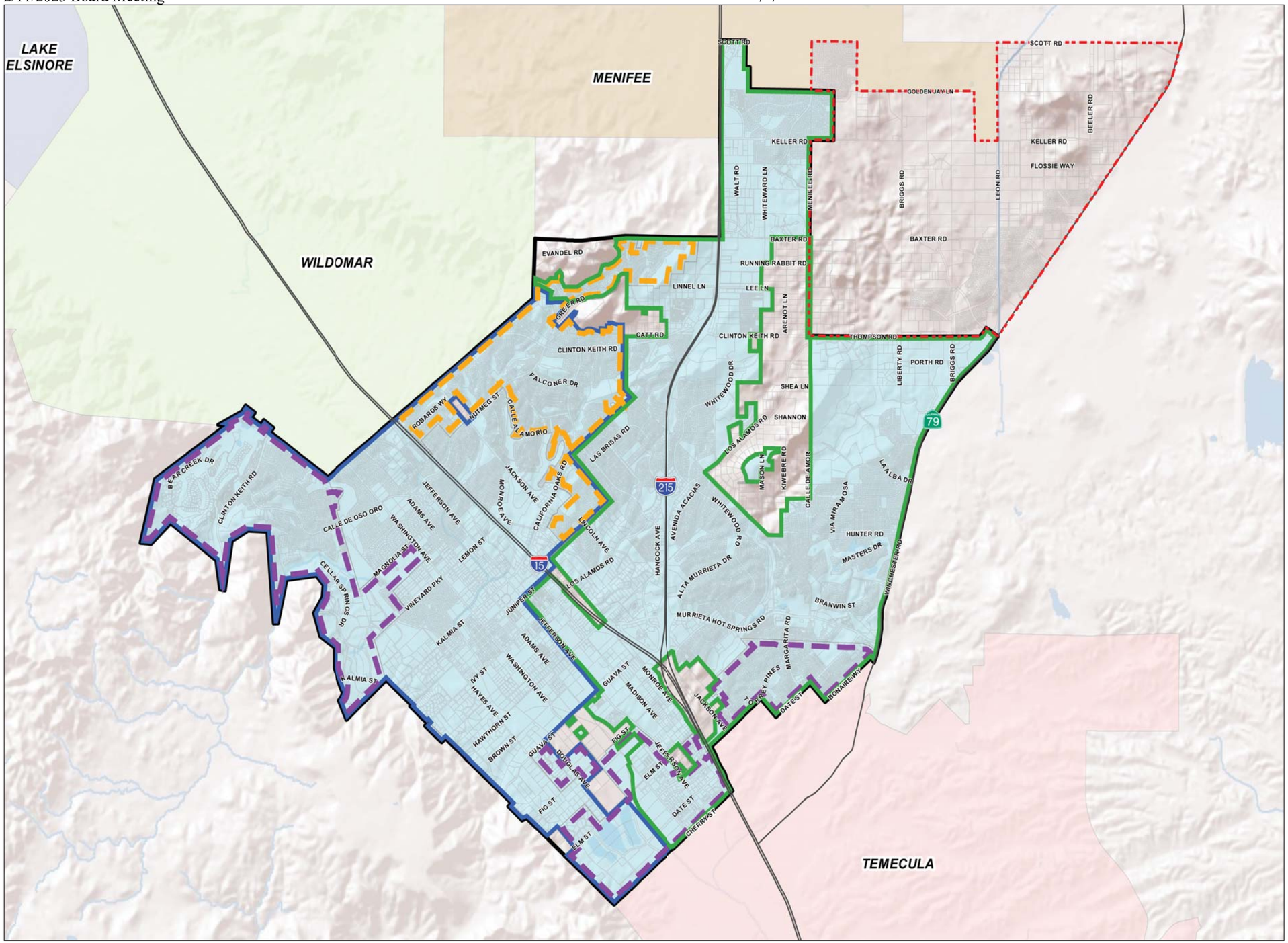
The Elsinore Valley and Rancho California Water Districts encompass the largest land area within the City of Murrieta; refer to *Exhibit 5.15-1*, *Water District Service Area Boundaries*. The majority of the Focus Areas lie within the RCWD and EMWD. EVMWD, WMWD, and EMWD are both wholesale and retail water agencies. The RCWD is a retail agency. A portion of northeast Murrieta is not served by any water district, and residents in this area rely on wells; this area is commonly referred to as the "keyhole." Other, smaller areas throughout the City also lie outside the boundaries of all the water districts. The total existing water demand within the City of Murrieta is 34,953,699 gallons per day (gpd) or 39,179 acres feet per year (AF/Y); refer to *Table 5.15-1*, *Existing Water Demand*. *Table 5.15-1* averaged the RCWD Water Supply Generation Factor with the EVMWD Water Supply Generation Factor to calculate the entire City's existing water demand as these were the only available Water District Generation Factors. WMWD and EMWD were contacted but no Water District Generation Factors were made available. The WMWD and EMWD UWMPs were reviewed but didn't include Water District Generation Factors.

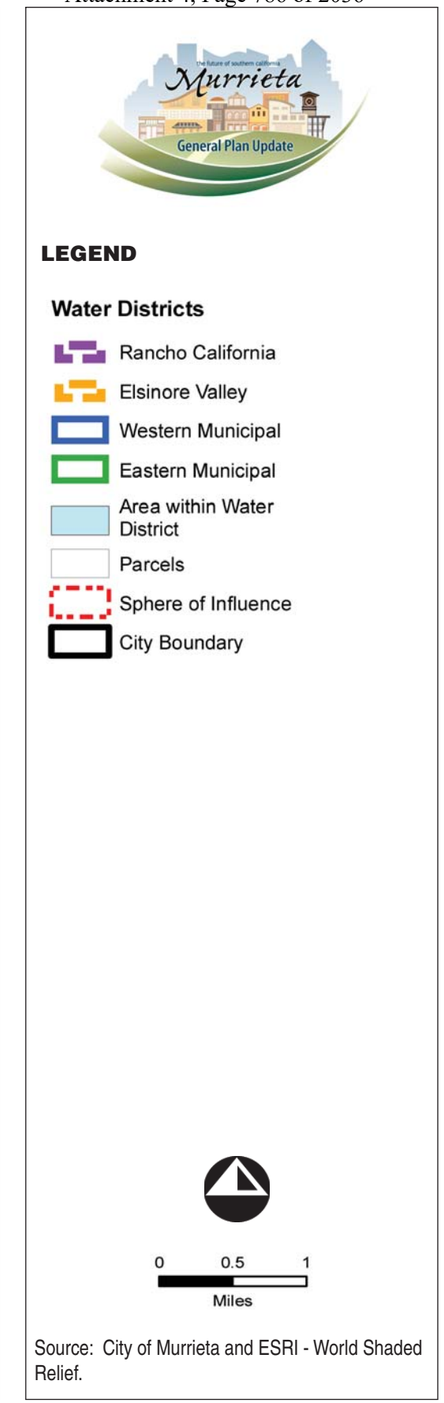
Due to the varied topography in the City, providing sufficient water pressure can be a challenge. Each water district maintains multiple pressure zones in the City with pump stations and reservoirs. In some areas, such as the western edge of the WMWD area, private pumping systems may be necessary to maintain adequate pressures beyond the meter connection.

POTABLE WATER SUPPLY – PROVIDERS/PURVEYORS

Water connection services within the City of Murrieta are provided by four water districts:

- Rancho California Water District
- Elsinore Valley Municipal Water District
- Western Municipal Water District
- Eastern Municipal Water District





Source: City of Murrieta and ESRI - World Shaded Relief.

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Water District Service Area Boundaries

Exhibit 5.15-1

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Table 5.15-1
Existing Water Demand

Land Use	Units (du/sf/ac)	RCWD Generation Factor[1]	Water Demand	EVMWD Generation Factor[2]	Water Demand	Average gpd[3]
Rural Residential	543 du	3,000	1,629,000	750.0000	407,250	1,018,125
Single-Family Residential	28,062 du	1,500	42,093,000	750.0000	21,046,500	31,569,750
Multi-Family Residential	4,032 du	400	1,612,800	500.0000	2,016,000	1,814,400
Commercial	7,887,887 sf	0.0344	271,343.3128	0.0402	317,093	294,218
Office	1,372,863 sf	0.0344	47,226.4872	0.0689	94,590	70,908
Business Park	2,162,333 sf	0.0344	74,384.2552	0.0275	59,464	66,924
Industrial	978,469 sf	0.0344	33,659.3336	0.0689	67,417	50,538
Civic/Institutional	1,577,344 sf	0.0344	54,260.6336	0.0528	83,284	68,772
Parks & Open Space	1,833 ac	0.0002	0.366506	0.0689	126	63
Total	**-**	**-**	**45,815,674.39**	**-**	**24,091,724**	**34,953,699 gpd (39,179 AF/Y)**

Note: The RCWD Water Supply Generation Factor was averaged with the EVMWD Water Supply Generation Factor to calculate the entire City's existing water demand as these were the only available Water District Generation Factors. WMWD and EMWD were contacted but no Water District Generation Factors were made available. The WMWD and EMWD UWMPs were reviewed but didn't include Water District Generation Factors
1 = Rancho California Water District Water Supply Generation Factor
2 = Elsinore Valley Municipal Water District Water Supply Generation Factor
3 = Rancho California Water District Water Supply Generation Factor averaged with Elsinore Valley Municipal Water District Water Supply Generation Factor (the only available Water District Generation Factors) to calculate the entire City's existing water demand.
du = dwelling unit
sf = square foot
ac = acre
gpd = gallons per day
AF/Y = acres feet per year

Rancho California Water District[4]

The Ranch California Water District (RCWD) is a "Special District" organized and operated pursuant to the *California Water Code*. RCWD is governed by a seven-member Board of Directors (Board) that is elected by the voters of the region. RCWD serves as a retail water provider. RCWD serves the area known as Temecula/Rancho California, which includes the City of Temecula, portions of the City of Murrieta, and unincorporated areas of Riverside County. RCWD's existing water supplies include:

- Groundwater – Temecula and Pauba groundwater basins.

[4] RCWD 2005 Urban Water Management Plan.

- Imported Water – Metropolitan Water District of Southern California's (MWD) Colorado River Aqueduct (CRA) and the State Water Project (SWP).

- Recycled Water – Santa Rosa Water Reclamation Facility (SRWRF) operated by RCWD, and the Temecula Valley Regional Water Reclamation Facility (TVRWRF) operated by EMWD. RCWD has a vast infrastructure network to serve its service area.

As recently as 2010, RCWD's current service area represents 99,000 acres, and has 878 miles of water mains, 37 storage reservoirs, one surface reservoir (Vail Lake), 48 groundwater wells, and 133,200 people are served through 42,988 service connections.[5]

Approximately 109,000 people are currently served by RCWD. RCWD receives its imported water (treated and untreated) through six MWD water turnouts (three in EMWD's service area, three in WMWD's service area). Water delivered to homes and businesses is a blend of well water (approximately 25 percent) and import water (approximately 75 percent). *Table 5.15-2, Rancho California Water District Planned Water Supplies Acre-Feet/Year* shows the planned water supply sources.

Table 5.15-2
Rancho California Water District Planned Water Supplies Acre-Feet/Year[6]

Water Supply Sources	2010	2015	2020	2025	2030
Imported Water (MWD)					
Treated	37,214	45,527	50,723	52,131	52,577
Untreated [1]	16,500	16,500	16,500	16,500	16,500
Local Groundwater Pumping	25,000	26,000	26,000	26,000	26,000
Recycled Water	4,593	4,972	3,854	3,854	3,854
Total	**83,307**	**92,999**	**97,077**	**98,485**	**98,931**

Source: RCWD projection for average annual water demand in the 2010 UWMP Update.
1. Used for groundwater recharge, surface water discharge to the Santa Margarita River, and eastern service area agriculture (after conversion of system).

RCWD does not add fluoride to its water supply; however, fluoride occurs naturally in RCWD's groundwater. The local water supplies are blended with water imported from the MWD. MWD started adding fluoride at each of its five water treatment plants in fall 2007, adjusting the natural fluoride level in water (ranging from 0.1 - 0.4 parts per million (ppm) to the optimal range of 0.7 - 0.8 ppm) as State regulations require that fluoridating systems comply with temperature-appropriate fluoride levels as indicated in Section 64433.2 of the *California Title 22 Code of Regulations*. RCWD's average fluoride level becomes 0.60 ppm, or milligrams per liter (mg/L).

[5] The environmental baseline for the EIR is 2009 as stated in Section 3.0, Project Description. However, the Rancho California Water District provided an update to the 2009 data presented in the Draft EIR with 2010 data that has been included in the Final EIR.

[6] Ibid.

The maximum allowable level of fluoride at the state level is 2.0 mg/L. Moderate levels of fluoride are helpful in preventing tooth decay.

NEAR-TERM AND LONG-TERM WATER SUPPLY[7]

The implementation of RCWD's Regional Integrated Resources Plan (IRP), would allow the District to meet demands over the next 45 years in a sustainable and cost-effective manner. It would also reduce the dependency on treated imported water from MWD, and help hedge against droughts and other emergencies by maximizing local groundwater.

The IRP has determined that its local supply of groundwater and recycled water is 100 percent reliable for the period extending to 2030. To minimize fluctuations in groundwater production, the IRP recommends increasing groundwater recharge with additional purchases of imported water. This increase would permit increased withdrawals of groundwater while minimizing the chance of overdraft conditions and allow for storage of excess water for use in years when natural recharge is diminished as a result of hydrologic conditions. Recycled water supplies may insignificantly fluctuate during varying hydrologic conditions as conservation increases, but these slight fluctuations would not reduce the reliability of the recycled water supply. Normal year supplies vary and would continue to increase in the future as the population base in the service area increases requiring additional groundwater withdrawals and recycled water.

The IRP is designed to minimize any inconsistencies in its local supply sources and provide multiple flexible sources of water. Inconsistencies that could impact groundwater production include legal, environmental, water quality, and climatic conditions. Legal issues include use of groundwater basin by other producers, rights to store water at Vail Lake for recharge outside of the current period between November 1 and April 30. Environmental issues include disposal of brine associated with construction of a microfiltration/reverse osmosis (MF/RO) recycled water facility. Water quality issues revolve around contamination of groundwater basins, potential changes to water quality standards, and the use of MF/RO water for agricultural use.

RCWD's imported water supply is purchased through EMWD and WMWD, but is obtained directly from MWD's facilities. The agency demand projections for these two wholesalers are combined to arrive at one demand on MWD. Table 8-5 of the *2005 Update of the Urban Water Management Plan, Rancho California Water District* (refer to *Appendix N1, 2005 Urban Water Management Plan)*, illustrates MWD's existing and planned sources of water for the period 2010-2030. In summary, through 2030, the total MWD current and planned source of water is 3,459,500 AFY.

MWD has determined in the Rancho California Water District UWMP (RCWD UWMP) that its resource mix is 100 percent reliable for non-discounted non-interruptible demands using previous dry periods for the forecast period 2005-2030. Even though MWD can reliably meet

[7] *2005 Update of the Urban Water Management Plan, Rancho California Water District, CDM, December 2005 (refer to EIR Appendix N1: 2005 Urban Water Management Plan).*

RCWD's demands, the capacity constraint issue associated with the turnouts would potentially cause future peak day water shortages after 2025. Implementation of RCWD's IRP would eliminate the capacity constraints and resolve any peak day water shortages.

Overall, during single-dry and multiple-dry years RCWD's combined local and imported resource mix is 100 percent reliable for non-agricultural customers with implementation of RCWD's IRP. The IRP delineated supply sources are flexible and designed to supplement each other if one source is reduced.

Elsinore Valley Municipal Water District[8]

The Elsinore Valley Municipal Water District (EVMWD) was formed as a public agency in 1950 to protect local water supplies and import supplemental water. EVMWD serves as a retail and wholesale water provider in both incorporated and unincorporated areas in its 96 square miles service. Wholesale services are provided to two retail agencies as supplemental water. EVWMD also provides wastewater treatment and is legally empowered to provide stormwater disposal and fire protection facilities, but does not do so at this time.

EVMWD's service area is divided into the Elsinore and Temescal Divisions. Only the Elsinore Division is within the upper watershed. The Elsinore Division serves approximately 32,000 accounts, while the Temescal Division serves approximately 900 accounts. *Table 5.15-3, Elsinore Valley Municipal Water District Planned Water Supplies Acre-Feet/Year* shows EVMWD's water supply projections for its entire service area to wholesale and retail customers. This table is a summary of the data presented in the EMWD Urban Water Management Plan.

Table 5.15-3
Elsinore Valley Municipal Water District Planned Water Supplies Acre-Feet/Year

Water Supply Sources	2010	2015	2020	2025	2030
Total[1]	**66,590**	**66,690**	**66,690**	**72,627**	**77,919**

Source: Elsinore Valley Municipal Water District 2005 Urban Water Management Plan
1. The projected normal water year supply includes local groundwater and surface water as well as imported Metropolitan Water District of Southern California (MWDSC) water sources.

EVMWD water supply sources include:

- Imported water – from MWD via EMWD and WMWD, resulting in a blend of State Water Project (SWP) and Colorado River Aqueduct (CRA) water.
- Groundwater – local potable sources include Elsinore Basin, Temescal Valley Basin, San Bernardino Bunker Hill Basin, Rialto-Colton and Riverside-North Basin, and Coldwater Basin; non-potable sources include Elsinore Basin, Bedford Basin, and Coldwater Basin.

[8] EVMWD 2005 Urban Water Management Plan.

- Surface Water – potable from natural runoff to Canyon Lake and imported untreated water from MWD via WMWD; non-potable from Lee Lake, Temescal Wash, Horsethief Canyon, and Indian Canyon

- Recycled Water – non-potable water from the Regional Water Reclamation Facility, Railroad Canyon Water Reclamation Facility, and Horsethief Canyon Water Reclamation Facility.

- Transfers/Exchanges – WMWD.

EVMWD receives imported water from WMWD treated at MWD's Skinner Filtration Plant through the Auld Valley Pipeline. Under a Water Facility Capacity Agreement for the Auld Pipeline, EVMWD has rights to purchase a maximum flow rate of 37.50 cubic feet per second (cfs) from EMWD through its connection to MWD. Under the agreement WMWD obtains the water from EMWD and then sells it to EVMWD.

EVMWD also obtains imported water treated at MWD's Mills Filtration Plant through the Temescal Valley Pipeline via WMWD's Mills Gravity Pipeline. EVMWD has entered into lease agreements for capacity rights for a total of 21 cfs from the Mills Gravity Pipeline.

EVMWD has multiple sources of non-potable water: groundwater, surface water, and recycled water. EVMWD operates the Temescal Valley Pipeline System delivering non-potable well water to agricultural users in the Temescal Valley. Non-potable surface water is obtained from multiple lakes in the region. Wastewater is treated to tertiary standards for non-potable use by three water reclamation plants: Regional, Horsethief, and Railroad Canyon. In the future, additional recycled water may be available from another proposed wastewater treatment plant and from a disposal pipeline carrying treated water from EMWD's Temecula Valley Effluent Disposal Pipeline and RCWD's Santa Rosa Water Reclamation Facility. The disposal pipeline passes through EVMWD's service area.

NEAR-TERM AND LONG-TERM WATER SUPPLY[9]

The projected normal water year supply includes local groundwater and surface water as well as imported MWDSC water sources. Table 5.15-3 above summarizes the projected normal water year supply until 2030. According to the *Urban Water Management Plan, Elsinore Valley Municipal District* (refer to *Appendix M1*, *2005 Urban Water Management Plan)*, current and anticipated future supplies are sufficient to meet the projected normal year water demand through 2030.

EVMWD has predicted that sufficient supply also exists to meet the current and anticipated future demands for both single dry year and multiple dry year requirements through 2030. Dry years may prompt additional water conservation measures to ensure sufficient supply is

[9] *Urban Water Management Plan Final Report, Elsinore Valley Municipal Water District, MWH, December 2005 (refer to EIR Appendix M1: 2005 Urban Water Management Plan).*

maintained. After 2020, additional water from the MWDSC, not including the supply already planned for through the Auld Valley Pipeline (AVP) and Temescal Valley Pipeline (TVP), would be imported to supply increasing maximum day demand (MDD).

Western Municipal Water District[10]

The Western Municipal Water District (WMWD) was formed in 1954 as a public agency to bring additional water to western Riverside County. WMWD is governed by a five-member Board of Directors elected by voters in five geographical divisions within district boundaries. WMWD's service area encompasses 510 square miles with service provided to approximately 19,000 retail customers and nine wholesale customers. Approximately one-third of the total water supplied by WMWD is for retail customers, with the remainder for wholesale customers. Within the upper watershed, WMWD wholesales water to EVMWD and RCWD and directly supplies retail water to numerous other areas. WMWD also provides wholesale and retail water to areas and agencies outside of the watershed.

In 2005, WMWD merged with Murrieta County Water District (MCWD) to form the Murrieta Division, a separate retail area which services to approximately 2,600 customers within a 6.5-square mile service area. Since 2003, MCWD had purchased small quantities (100 to 200 Acre-Feet/Year) of imported water through the EMWD. The Murrieta Division's average annual water production requirement is estimated to increase from 1,900 AF in 2005 to approximately 7,400 Acre-Feet (AF) at ultimate development in the year 2025. The recommended water production requirement for existing conditions is 3,100 gallons per minute (gpm), which includes a 700-gpm reserve capacity, and 10,700 gpm for ultimate development, which includes a 1,500-gpm reserve capacity). The Murrieta Division delivers primarily groundwater from the Murrieta-Temecula Groundwater Basin. Currently supplemental water to meet current peak demands is imported from MWD through an interconnection with EMWD. WMWD also plans to construct interconnections with the EVMWD system for emergency and daily use.

The Murrieta Division estimated water production for ultimate development is based on the following assumptions:

- Water from future imported supplies (4,400 AF/Y) will be delivered at a constant rate of 1,500 gpm in January, February, March, April, November, and December; 3,000 gpm in May; and 4,200 gpm in June, July, August, September, and October.
- The balance of the water production requirements (5,000 gpm, 3,000 AFY) will be provided by existing and future Murrieta Division wells.

WMWD receives water from the following sources:

[10] WMWD 2005 Urban Water Management Plan.

- Imported water - treated and untreated water from MWD (State Water Project and Colorado River Aqueduct).
- City of Riverside supplemental water (emergency/off season only).
- Groundwater - pumped from San Bernardino and Riverside on behalf of WMWD and transported through pipes with an EVWMD agreement; there are no direct groundwater extraction facilities operated by WMWD.
- Surface Water - Seven Oaks reservoir can deliver surface water to various treatment plants or to groundwater recharge.
- Recycled water - March Wastewater Reclamation Facility (irrigation only).

Potable water is received from MWD with supplemental water available from the City of Riverside. Potable water from MWD is treated at MWD's Mills Filtration Plant and then conveyed to WMWD's distribution system. Potable water from the City of Riverside is purchased when surplus water available (off-season) and during emergency situations. An inter-connection with the City of Riverside and a portable chlorination station allows WMWD to treat this water.

WMWD's UWMP analyzes the District's reliability based on normal, dry and multiple dry years. Based on this analysis, the WMWD will be able to meet the demands of its service area through 2030. The Riverside/Corona Feeder project will provide infrastructure to allow WMWD to purchase SWP water from MWD, store it in the San Bernardino Basin Area, and extract as needed.

Table 5.15-4, *Western Municipal Water District Planned Water Supplies Acre-Feet/Year*, shows wholesale and retail water supply projections for WMWD's service area.

Table 5.15-4
Western Municipal Water District Planned Water Supplies Acre-Feet/Year

Water Supply Sources	2010	2015	2020	2025	2030
Imported Water (MWD)					
Retail Service Area	31,007	35,726	41,278	47,809	55,491
Wholesale Service Area	88,902	101,146	111,837	123,784	134,028
Agriculture Water Purchase	6,000	6,000	6,000	6,000	6,000
Recycled Water	2,680	3,850	4,430	5,210	6,130
Riverside/Corona Feeder (as needed)[1]		10,000	40,000	40,000	40,000
Total	**128,589**	**156,272**	**203,545**	**222,803**	**241,649**

Source: Urban Water Management Plan 2005 Western Municipal Water District
1. Water supply may include imported water and local runoff.

NEAR-TERM AND LONG-TERM WATER SUPPLY[11]

The projected normal water year supply includes both potable water from the SWP for various uses and the untreated non-potable water from the CRA for agricultural and landscape irrigation. Wholesale water sales also comprise a portion of the supply Western receives from MWD. As mentioned above and according to the *Urban Water Management Plan, Western Municipal District* (refer to *Appendix O1*, *2005 Urban Water Management Plan)*, MWD has projected that sufficient supplies exist to meet the demands for their agencies through 2030

Also mentioned above, MWD has predicted that sufficient supply also exists to meet demands for both single dry year and multiple dry requirements through 2030. As required, droughts may prompt additional water conservation measures to ensure sufficient supply is maintained. However, normal demands are used to provide conservative estimations of demand. MWD has projected that sufficient supplies exist to meet demands during dry years for their agencies. Therefore, supplies would equal demands since MWD would deliver the needed quantities of water while placing supplies not required on a yearly basis into storage for use in emergency conditions or droughts. The Riverside/Corona Feeder project would provide infrastructure to allow WMWD to purchase SWP water from MWD, store it in the San Bernardino Basin Area, and extract as needed.

Eastern Municipal Water District[12]

The Eastern Municipal Water District (EMWD) is public water agency formed in 1950. EMWD is governed by a five-member Board of Directors that is elected by voters within district boundaries. EMWD serves a 555-square mile service area in western Riverside County and in most areas provides retail water and sewer service. EMWD also provides wholesale and retail water service to multiple subagencies including RCWD.

EMWD receives water from the following sources:

- Imported Water – MWD (State Water Project and Colorado River Aqueduct).
- Recycled Water.
- Groundwater – San Jacinto Watershed groundwater that is desalinated for potable use. However, within the Santa Margarita Watershed portion of EMWD's service area, EMWD serves and wholesales imported water, but not groundwater. They have no plans to serve this area with groundwater.

Imported water received from MWD is treated at two treatment plants: Henry J. Mills (Mills) and Robert F. Skinner (Skinner). At Mills, SWP water is treated and at Skinner a combination of

[11] *Urban Water Management Plan, Western Municipal Water District, 2005 (refer to EIR Appendix O1: 2005 Urban Water Management Plan).*

[12] EMWD 2005 Urban Water Management Plan.

SWP and CRA water is treated. Untreated water supplied by MWD is treated by EMWD at a microfiltration plant in Perris. An additional microfiltration plant is located in Hemet.

EMWD is increasing the use of recycled water, through expansion and maximization of the four regional water reclamation facilities. As stated in the EMWD UWMP, EMWD's recycled water distribution system includes 135 miles of large diameter transmission pipelines, 6,000 AF of surface storage reservoirs (ten separate sites) and four regional pumping plants. EMWD wastewater collection systems include: 1,534 miles of gravity sewer, 53 lift stations, and five regional water reclamation facilities, with interconnections between local collection systems serving each treatment plant.

Table 5.15-5, *Eastern Municipal Water District Planned Water Supplies Acre-Feet/Year*, shows EMWD's projected water supply sources for the entire district.

Table 5.15-5
Eastern Municipal Water District Planned Water Supplies Acre-Feet/Year

Water Supply Sources	2010	2015	2020	2025	2030
Imported Water (MWD)	90,100	104,300	121,300	133,900	144,300
Groundwater	38,800	42,000	42,200	42,000	41,900
Recycled Water	32,400	36,700	40,300	44,000	47,000
Desalinated Water[1]	7,500	12,000	12,000	12,000	12,000
Total	**168,800**	**195,000**	**215,800**	**231,900**	**245,200**

Source: Eastern Municipal Water District 2005 Urban Water Management Plan.
[1] Desalinated water is not used in the Upper Santa Margarita Watershed.

NEAR-TERM AND LONG-TERM WATER SUPPLY[13]

According to the *Urban Water Management Plan*, *Eastern Municipal District* (refer to *Appendix L1*: *2005 Urban Water Management Plan*), EMWD has the supply needed to meet the demand of its customers through 2030. The conclusion is based on the assurances of MWD that it would be able to supply member agency demands, the reliability of local groundwater supplies achieved through groundwater management plans and the development of recycled water resources.

In addition to meeting the demand for a normal dry year, the law requires that water suppliers meet the need of its customers during a single dry year. For EMWD, meeting the minimal increase in demand due to a dry winter is accomplished through increasing the imports from MWD and utilizing groundwater production. MWD assures its member agencies that their needs would be met even during dry years. The groundwater management plans assure that water recharged into the basins in wet years would be available in dry years.

[13] *Urban Water Management Plan, Eastern Municipal Water District, 2005 (refer to Appendix L1: 2005 Urban Water Management Plan).*

During multiple dry years, resource planning by EMWD and MWD insures that consumer demands for water would be met. Since local resources are stable during a multiple dry year event and MWD resources are affected by weather fluctuations, the 1990-1992 hydrology conditions were considered. These were the dry years considered by MWD in planning for the worst case multiple dry year scenarios. With the assurance of MWD and the reliability of EMWD's groundwater and recycled water, EMWD is confident of its ability to meet demand through 2030.

5.15.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, water supply and distribution systems impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Have adverse effects of water supplies sufficient water supplies available to serve the project from existing entitlements and resources, or require new or expanded entitlements need.

- Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.15.4 PROJECT IMPACTS AND MITIGATION MEASURES

WATER SUPPLY AND DISTRIBUTION

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INCREASED DEMAND FOR WATER SUPPLIES AND INFRASTRUCTURE WITHIN THE CITY.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis:

Water Supply

Implementation of the proposed General Plan 2035 would result in additional development, resulting in an increase in the City's population and businesses, and thus, an overall increase in total water demand.

The City relies on water connection services provided by four water districts: RCWD, EVMWD, WMWD, and EMWD. The UWMPs for all four water districts provide a long-range (25-year) assessment of water supply for each service area, which includes the City of Murrieta. An UWMP serves as a source document for cities and counties as they prepare their General Plans. Each water district has its own 2030 service area population projection derived from housing projections, SCAG projections, and persons per household data. The studies assess water supply to forecast year 2030 taking into consideration groundwater, imported, recycled and surface water supplies, as well as wastewater. In addition to water supply, the UWMPs address efficient use of water, demand management measures, implementation strategies and schedules, and other relevant information and programs.

The 2005 UWMPs prepared for RCWD, EVMWD, WMWD, and EMWD indicate there are sufficient water supplies based on normal, dry and multiple dry years and water shortage contingency plans to meet existing and future regional water needs through 2030. According to the UWMPs for each water district, the total planned water supply through 2030 for the RCWD, EVMWD, WMWD, and EMWD is 98,931 AF/Y, 77,919 AF/Y, 241,649 AF/Y, and 245,200 AF/Y, respectively for a combined water supply of 663,699 AF/Y; refer to *Table 5.15-2*, *Table 5.15-3*, *Table 5.15-4*, and *Table 5.15-5*. The City currently consumes approximately 39,179AF/Y[14] of water resources to meet all constituent existing demands; refer to *Table 5.15-1*. It is anticipated that water demand associated with implementation of the proposed General Plan 2035 would increase by approximately 13,946.036 gpd or 15,632 AF/Y[15] in the year 2035; refer to *Table 5.15-6*, *Forecast Year 2035 Water Demand*. The proposed General Plan 2035 growth would require only 2.36 percent of the 2030 water supply from these four water districts. *Table 5.15-6* averaged the RCWD Water Supply Generation Factor with the EVMWD Water Supply Generation Factor to calculate the entire City's existing water demand as these were the only available Water District Generation Factors. WMWD and EMWD were contacted but no Water District Generation Factors were made available. The WMWD and EMWD UWMPs were reviewed but didn't include Water District Generation Factors.

[14] Rancho and Elsinore Water District generation factors (averaged the generation factors to calculate the entire City's existing water demand).

[15] Rancho and Elsinore Water District generation factors (averaged the generation factors to calculate the entire City's forecast year 2035 water demand).

Table 5.15-6
Forecast Year 2035 Water Demand

General Plan 2035 Land Use	Units (du/sf/ac)	RCWD Generation Factor[1]	Water Demand	EVMWD Generation Factor[5]	Water Demand	Average gpd[8]
Residential	10,734 du	1,500[2]	16,101,000	750.0000[6]	8,050,500	12,075,750
Non-Residential[4]	36,210,757 sf	0.0344[3]	1,245,650.041	0.0689[7]	2,494,921	1,870,286
Total	**-**	**-**	**17,346,650.004**	**-**	**10,545,421**	**13,946.036 gpd (15,632 AF/Y)**

Note: General Plan 2035 dwelling units and square footage represents growth over existing conditions.
Note: The RCWD Water Supply Generation Factor was averaged with the EVMWD Water Supply Generation Factor to calculate the entire City's existing water demand as these were the only available Water District Generation Factors. WMWD and EMWD were contacted but no Water District Generation Factors were made available. The WMWD and EMWD UWMPs were reviewed but didn't include Water District Generation Factors
1 = Rancho California Water District Water Supply Generation Factor
2 = Rancho California Water District Water Supply Generation Factor for single-family residential
3 = Rancho California Water District Water Supply Generation Factor for commercial, office & research park, business park, and civic/institutional.
4 = Non-residential land uses include commercial, office and research park, business park, and civic/institutional.
5 = Elsinore Valley Municipal Water District Water Supply Generation Factor
6 = Elsinore Valley Municipal Water District Water Supply Generation Factor for single-family residential and rural residential
7 = Elsinore Valley Municipal Water District Water Supply Generation Factor for office and research park
8 = Rancho California Water District Water Supply Generation Factor averaged with Elsinore Valley Municipal Water District Water Supply Generation Factor (the only available Water District Generation Factors) to calculate the entire City's forecast year 2035 water demand.
du = dwelling unit
sf = square foot
ac = acre
gpd = gallons per day
AF/Y = acres feet per year

The 2005 UWMPs have a 25-year planning horizon to 2030, which includes the 2030 growth projections for the existing Murrieta General Plan (1994, amended 2006). The existing General Plan projects a total of 40,845 dwelling units and 49,073,504 square feet of non-residential uses. These uses generate a water demand of 54,355.52 AF/Y, which represents 8.19 percent of the total anticipated supply of the four water districts in 2030. As a point of comparison, the proposed General Plan 2035 includes 44,484 dwelling units and 50,189,652 square feet of non-residential uses. These uses generate a water demand of 59,009.68 AF/Y, which represents 8.89 percent of the total anticipated supply of the four water districts in 2030. The incremental increase of the proposed General Plan 2035 represents a 0.70 percent increase over what is currently accounted in the 2005 UWMPs.

Based upon the 2005 UWMPs, the four water districts would have adequate water supplies based on normal, dry and multiple dry years and water shortage contingency plans to meet the future regional water needs, including the growth anticipated with the proposed General Plan 2035,

through 2030. It is too speculative to determine 2035 water supplies at this time.[16] The water suppliers are planning to meet increased demand and reduce dependence on imported water. Their plans include water storage and groundwater recharge, treatment of wastewater to supply recycled water, and treatment of other non-potable water sources to increase potable water supply. RCWD plans to create additional wells and construct a facility to reduce the salinity of recycled water for agricultural use. EVMWD plans to increase its supplies of imported water and construction additional wells. WMWD plans include developing additional storage and pipeline infrastructure, and seeking diversions from the Santa Ana River. EMWD is seeking to increase water supplies through investment in facilities that treat wastewater, groundwater, and raw water from the State Water Project.

Groundwater recharge is part of most plans to ensure future water supplies. RCWD plans to expand groundwater recharge in the Pauba Valley Basin. EVMWD has prepared a groundwater management plan for the Elsinore Basin to reduce overdraft and improve groundwater supply reliability, which includes replenishment. EMWD does not draw groundwater in the southern part of its service area, where the City lies, but is involved in groundwater recharge in the San Jacinto Watershed.

The City's *Municipal Code* (Section 16.27 Water Efficient Landscape) promotes water efficient landscaping, water use management, and water conservation through the use of water efficient landscaping, wise use of turf areas and appropriate use of irrigation technology and management. The code also achieves water conservation by raising the public awareness of the need for an effective management program through education and incentives.

Future development would be reviewed by the City on a project-by-project basis to ensure adequate water supplies are available to accommodate future projects. The proposed General Plan 2035 Conservation Element includes goals and policies to ensure that a reliable water supply can be provided within the City's service area, while remaining sensitive to the climate. The proposed General Plan 2035 also includes goals and policies that promote water conservation through the use of reclaimed water and water conservation design and technology. Goal CSV-1 promotes conservation, protection, and management of water resources to meet long-term community needs, including surface waters, groundwater, imported water supplies, storm water, and waste water. Goal CSV-2 promotes compliance with requirements from the State and appropriate agencies regarding comprehensive water conservation measures to ensure sufficient water supplies for human consumption, sanitation, and fire protection. Residents and businesses in Murrieta would also need to play a role in using water resources efficiently, and this would be encouraged through education and incentives from the City and water agencies. With adherence to the proposed General Plan 2035 goals and policies and the City of Murrieta *Municipal Code Water Efficient Landscape Ordinance*, compliance with the applicable UWMPs

[16] This EIR is based upon the 2005 UWMPs, which were the most recently adopted UWMPs at the time the EIR was prepared. As of February 2011, the four water districts began the process of updating their 2005 UWMPs to 2010. The 2010 UWMPS will have a horizon year of 2035, but were not completed prior to release of the Draft EIR. The City of Murrieta will provide all four water districts with the Draft General Plan 2035 growth projections for inclusion in the 2010 UWMPs, as required by the California Government and Water Codes.

and Master Plans of all four water districts, coordination between the City and water districts and that Murrieta would only use 2.36 percent of the anticipated water from these four water districts, water supply and infrastructure impacts associated with the proposed General Plan 2035 would be reduced to a less than significant level.

Water Infrastructure

Water conservation in Southern California became increasingly important in the 1980s and early 1990s, when the entire region suffered a severe drought. Drought conditions in southern California directly affect groundwater recharge and groundwater supplies. According to the Master Plans of each water district, the existing water distribution systems are generally adequate in meeting demand. However, several operational improvements have been recommended within the Master Plans to increase each system's reliability and efficiency, and to reduce the cost of delivering water within each of the four water districts in anticipation of future growth. Recommendations include additional water treatment plants, wells, storage reservoirs, booster stations, pressure regulating stations and pipelines as well as pipeline replacement and increased adequate fire flows. The Master Plans prioritize each recommended project and indicate when each project should be implemented. These improvements are planned to occur within the buildout period of 2030 for each Water Master Plan and UWMP of each of the four water districts.

Currently, portions of the North Murrieta Business Corridor, South Murrieta Business Corridor, and the Golden Triangle North (Central Murrieta) Focus Areas, along with parcels in the "key hole" area, which includes the Los Alamos Hills (refer to *Exhibit 5.15-1*), are not located within a water district and operate on individual well systems. For the North Murrieta Business Corridor Focus Area, the area generally north of Clinton Keith Road, west of Meadowlark Lane, south of Baxter Road and east of Menifee Road is not within a water district. For the South Murrieta Business Corridor Focus Area, a small portion north of the I-15 and east of the 1-215 freeway and including parcels both north and south of Jackson Avenue, and parcels generally east of Guava Street, south of Adams Avenue, west of Fig Street, and north of Washington Avenue are not within a water district. For the Golden Triangle North (Central Murrieta) Focus Area, only a small portion just north of the I-15 freeway east of Juniper Street is not within a water district. It is anticipated that future development within these areas would annex to the appropriate water district for service and connection to the infrastructure systems.

New development would be required to pay its share of the costs of infrastructure improvements necessary to accommodate the project. Water districts would need to ensure their water reclamation facilities and pipeline infrastructure are planned and installed according to their UWMP projections. Additionally, coordination between the City and water districts would be essential as further development is planned. Furthermore, the City has identified the protection and conservation of its existing and future water resources within the proposed General Plan 2035 Infrastructure Element goals and policies. Policies INFR-1.1 through INFR 1.7 of the proposed General Plan 2035 Infrastructure Element require new development and redevelopment projects to ensure that water infrastructure systems are adequate to serve the development.

Policy INF-1.8 ensures that fee structures are sufficient for new development and redevelopment to pay its fair share of the cost of infrastructure improvements for water. With implementation of the proposed General Plan 2035 goals and polices along with adherence to the water district Master Plans, water infrastructure impacts associated with the proposed General Plan 2035 would be less than significant.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-1 A community that conserves, protects, and manages water resources to meet long-term community needs, including surface waters, groundwater, imported water supplies, storm water, and waste water.

Policies

CSV-1.1 Encourage the provision of a safe and sufficient water supply and distribution system.

CSV-1.2 Promote the maximization of water supplies through conservation, water recycling, and groundwater recharge.

CSV-1.3 Promote the protection of groundwater supplies from contamination.

CSV-1.4 Support water purveyors in promoting a City-wide recycled water system through project review and coordination with water districts.

CSV-1.5 Encourage the owners of hot springs to protect and enhance them.

CSV-1.6 Coordinate water resource management with water districts and regional, state, and federal agencies.

Goal CSV-2 Murrieta promotes compliance with requirements from the State and appropriate agencies regarding comprehensive water conservation measures in buildings and landscaping.

Policies

CSV-2.1 Ensure that all developments comply with water efficiency requirements, as mandated by the applicable Building Code.

CSV-2.2 Work with water districts to encourage and incentivize the retrofitting of building systems, both indoor and outdoor, with water-conserving fixtures and appliances.

CSV-2.3 Continue to utilize the programs and assistance of regional and state water agencies to increase water conservation throughout the City and Sphere of Influence.

CSV-2.4 Promote water efficient landscaping practices through outreach efforts, project review, and enforcement of City, regional, or State code requirements.

CSV-2.5 Consider streamlining municipal regulations pertaining to landscaping so that applicability and requirements are easily understood.

Goal CSV-9 A community that promotes the growth of an urban forest and water-efficient landscaping, recognizing that plants provide natural services such as habitat, storm water management, soil retention, air filtration, and cooling, and also have aesthetic and economic value.

Policies

CSV-9.1 Identify and protect native trees, trees of historic or cultural significance, and mature trees, consistent with the Tree Preservation Ordinance.

CSV-9.2 Consider the establishment of street tree standards and a program for street tree planting, maintenance, and replacement.

CSV-9.3 Promote the use of street trees as a buffer between pedestrians and motorized traffic.

CSV-9.4 Encourage the planting of street trees in linear planting beds rather than tree wells in order to support long-living healthy trees.

CSV-9.5 Encourage the planting of trees in private yards and properties.

CSV-9.6 Maintain a guide to preferred trees, shrubs, and ground cover plants of non-invasive species, or refer private parties to an existing guide that meets City needs to assist private landscaping efforts.

CSV-9.8 Encourage any new landscaped areas requiring permits to respect and incorporate the distinctive elements of the existing community landscape, including the retention of existing trees, to the maximum extent feasible.

CSV-9.9 Promote the use of native plant species in public landscaping of parks, schools, medians and planter strips, as well as in private development throughout the City.

Goal CSV-15 A community taking a leadership role in resource conservation and reduction of greenhouse gas emissions by implementing programs to improve municipal operations.

Policies

CSV-15.5 Encourage of the use recycled water where appropriate and feasible in City parks and landscaped areas, and demonstrate preferred techniques for water-efficient landscaping, including the use of native plants.

CSV-15.6 Demonstrate cutting-edge green building techniques when constructing and retrofitting municipal buildings.

INFRASTRUCTURE ELEMENT

Goal INF-1 New development and redevelopment is coordinated with the provision of adequate infrastructure for water, sewer, storm water, and energy.

Policies

INF-1.1 Encourage future development to occur in areas where infrastructure for water, sewer, and storm water can most efficiently be provided.

INF-1.2 Discourage development in areas without connections to existing infrastructure, unless infrastructure is being provided.

INF-1.3 Encourage the annexation of unserved areas into water district service areas.

INF-1.4 Ensure that new development and redevelopment provides infrastructure for water, sewer, and storm water that adequately serves the proposed uses, and that has been coordinated with affected infrastructure providers.

INF-1.5 Continue to require new development and redevelopment to provide verification that energy utilities are able to accommodate the additional demand for service.

INF-1.6 Provide information to water districts, Riverside County Flood Control and Water Conservation District (RCFCWCD), and energy utilities in their planning efforts to ensure adequate infrastructure is available for anticipated development.

INF-1.7 Encourage the preparation and updates of master plans by the appropriate providers or agencies to conduct detailed long-range planning to ensure the efficient provision of public services, infrastructure, and/or utilities.

INF-1.8 Consult with water districts and Riverside County Flood Control and Water Conservation District (RCFCWCD) to ensure that fee structures are sufficient for new development and redevelopment to pay its fair share of the cost of infrastructure improvements for water, sewer, and storm water.

INF-1.9 Encourage the water districts to proactively manage their assets through the maintenance, improvement, and replacement of aging water and wastewater systems to ensure the provision of these services to all areas of the community.

INF-1.10 Encourage the water districts to improve water and wastewater services in a way that respects the natural environment.

NF-1.21 Encourage the use of specific plans, development agreements, or mechanisms that specify the nature, timing, cost, and financing mechanisms to be used to fund water, wastewater, and/or storm drainage improvements and services.

INF-1.22 Work with property owners to establish a financing mechanism, such as financing districts, to provide infrastructure and maintenance in major employment locations and corridors, such as the North Murrieta Business Corridor, South Murrieta Business Corridor, and at the confluence of the I-15 and I-215 Freeways.

INF-1.23 Utilize, where appropriate, public financing mechanisms, such as special assessment or community facilities districts to fund water improvement and service costs.

INF-1.24 Consider the use of redevelopment financing, where appropriate, to provide infrastructure in areas where the City wishes to stimulate development.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.15.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND OTHER CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS TO WATER RESOURCES INCLUDING INCREASED DEMAND FOR WATER SUPPLIES AND INFRASTRUCTURE.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Cumulative water impacts are analyzed in terms of impacts to water supplies and facilities operated by the four water districts: RCWD, EVMWD, WMWD, and EMWD. The water supply in the City comes from local sources of groundwater and surface water, imported from the Metropolitan Water District's Colorado River Aqueduct and the State Water Project, recycled water reclamation facilities, and water transfers and exchanges. The City receives water from four water and wastewater Districts: RCWD, EVMWD, WMWD, and EMWD. The Elsinore Valley and Rancho California Water Districts have the largest service areas within the City of Murrieta.

The UWMPs for all four water districts provide a long-range assessment of water supply for each service area, which includes the City of Murrieta. An UWMP serves as a source document for cities and counties as they prepare their General Plans. Each water district has its own 2030 service area population projection derived from housing projections, SCAG projections, and persons per household data. The studies assess water supply to forecast year 2030 taking into consideration groundwater, imported, recycled and surface water supplies, as well as wastewater. In addition to water supply, the UWMPs address efficient use of water, demand management measures, implementation strategies and schedules, and other relevant information and programs. The 2005 UWMPs prepared for RCWD, EVMWD, WMWD, and EMWD indicate there are sufficient water supplies and water shortage contingency plans to protect existing and future regional water needs.

Future development projects in Murrieta and the Sphere of Influence would be evaluated by the City, Riverside County, and applicable water district on a project-by-project basis to determine impacts to water supplies and infrastructure. The continued assessment of individual projects for impacts to the water supply system would assure projects would only be approved if adequate water supplies exist at the time of their implementation. New development would be required to pay its share of the costs of infrastructure improvements necessary to accommodate the project. Water districts would need to ensure their water reclamation facilities and pipeline infrastructure are planned and installed according to their UWMP projections. Additionally, coordination between the City and water districts would be essential as further development is planned. Furthermore, with adherence to the proposed General Plan 2035 goals and policies and the City of Murrieta *Municipal Code Water Efficient Landscape Ordinance*, compliance with the UWMPs and Master Plans of all four water districts, coordination between the City and water districts and that fact Murrieta would only use 0.0236 percent of the anticipated water from these four water districts, impacts regarding water supply, distribution, and infrastructure would be further reduced to less than significant levels. Therefore, implementation of the proposed General Plan 2035 would not result in cumulatively considerable water supply and infrastructure impacts.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.15.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.15.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Impacts related to water supplies and facilities associated with implementation of the proposed General Plan 2035 for the City of Murrieta would be less than significant with compliance with the goals and policies in the General Plan 2035. Therefore, no significant unavoidable water supplies and facilities impacts would occur as a result of the proposed General Plan 2035.

5.15.7 SOURCES CITED

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Murrieta
General Plan Update

Section 5.16:
Wastewater

5.16 WASTEWATER

This section identifies the nature and location of wastewater conveyance and treatment facilities and existing related infrastructure for the City of Murrieta. This section provides an analysis of projected impacts to wastewater conveyance and treatment facilities, as well as the estimated demands that may result from the implementation of the proposed General Plan 2035. This section is based upon information from the Elsinore Valley Water District (refer to Appendix M4) and Rancho California Water District (refer to Appendices N4 and N5).

5.16.1 REGULATORY SETTING

FEDERAL

Clean Water Act/National Pollutant Discharge Elimination System Permits

The Clean Water Act (CWA) (*33 United States Code* Section 1251 et seq.*)* is the cornerstone of water quality protection in the United States. The statute employs a variety of regulatory and non-regulatory tools to sharply reduce direct pollutants discharges into waterways, finance municipal wastewater treatment facilities, and manage polluted runoff. These tools are employed to achieve the broader goal of restoring and maintaining the chemical, physical, and biological integrity of the nation's waters so that they can support "the protection and propagation of fish, shellfish, and wildlife and recreation in and on the water."[1]

The CWA regulates discharges from "non-point source" and traditional "point source" facilities, such as municipal sewage plants and industrial facilities. The CWA makes it illegal to discharge pollutants from a point source to the waters of the United States. CWA Section 402 creates the National Pollutant Discharge Elimination System (NPDES) regulatory program. Point sources must obtain a discharge permit from the proper authority (usually a state, sometimes EPA, a tribe, or a territory). NPDES permits cover industrial and municipal discharges, discharges from storm sewer systems in larger cities, storm water associated with numerous kinds of industrial activity, runoff from construction sites disturbing more than one acre, mining operations, and animal feedlots and aquaculture facilities above certain thresholds.

All so-called "indirect" dischargers are not required to obtain NPDES permits. An indirect discharger is one that sends its wastewater into a city sewer system, so it eventually goes to a sewage treatment plant. Though not regulated under NPDES, "indirect" discharges are covered

[1] Source: United States Environmental Protection Agency website, Introduction to the Clean Water Act, http://www.epa.gov/owow/watershed/wacademy/acad2000/cwa/index.htm, accessed January 29, 2011.

by another CWA program, called pretreatment. “Indirect" dischargers send their wastewater into a city sewer system, which carries it to the municipal sewage treatment plant, through which it passes before entering a surface water.

National Pretreatment Program[2]

The National Pretreatment Program is an extension of NPDES regulatory program. The National Pretreatment Program is a cooperative effort of federal, state, and local regulatory environmental agencies established to protect water quality. The program is designed to reduce the level of pollutants discharged by industry and other non-domestic wastewater sources into municipal sewer systems, and thereby, reduce the amount of pollutants released into the environment through wastewater. The objectives of the program are to protect Publicly Owned Treatment Works (POTW) from pollutants that may interfere with plant operation, to prevent pollutants that may pass through untreated from being introduced into the POTW, and to improve opportunities for the POTW to reuse wastewater and sludges that are generated.

The term "pretreatment" refers to the requirement that non-domestic sources discharging wastewater to POTWs control their discharges, and meet limits established by EPA, the state or local authority on the amount of pollutants allowed to be discharged. The control of the pollutants may necessitate treatment prior to discharge to the POTW (therefore the term "pretreatment"). Limits may be met by the non-domestic source through pollution prevention techniques (product substitution recycle and reuse of materials) or treatment of the wastewater.

STATE

In California, the State Water Resources Control Board (SWRCB) is responsible for ensuring the highest reasonable quality of waters of the State, while allocating those waters to achieve the optimum balance of beneficial uses. The SWRCB’s current challenge is exacerbated by California’s rapid population growth, and the continuing struggle over valuable water flows. The agency faces tough new demands which include fixing ailing sewer systems; building new wastewater treatment plants; and tackling the cleanup of underground water sources impacted by the very technology and industry that has provided California with a robust economy and made it a desirable place to live.

LOCAL

All of the public wastewater systems within the City of Murrieta are owned and operated by the four water districts: Rancho California Water District, Elsinore Valley Municipal Water District, Western Municipal Water District, and Eastern Municipal Water District. Each district is responsible for collecting connection and user fees and well as sewer system design criteria.

[2] United States Environmental Protection Agency, NPDES, National Pretreatment Program http://cfpub.epa.gov/npdes/home.cfm?program_id=3, accessed January 13, 2010

The County of Riverside Department of Environmental Health (DEH) is the primary agency charged with regulating the design, construction, and maintenance of septic tanks, leach lines, seepage pits, and alternative on-site wastewater treatment systems (OWTS) throughout the areas of the City where no public sewer system is available. DEH regulates these facilities through a Septic Tank Permit Process and County Ordinance 650.5.[3] Any development proposing to use an OWTS must first demonstrate that the site can meet minimum design criteria with respect to soil type and groundwater separation.

5.16.2 ENVIRONMENTAL SETTING

The City of Murrieta's sewage system consists of both public and private facilities. Developments that are outside the public sewer system use on-site septic systems. Septic systems are regulated by the DEH. Wastewater collection for the City and the Sphere of Influence is provided by the same four water districts that provide potable water to the City: Rancho California Water District (RCWD), Elsinore Valley Municipal Water District (EVMWD), Western Municipal Water District (WMWD), and Eastern Municipal Water District (EMWD). Only RCWD and EMWD provide wastewater treatment. Wastewater flows from the other districts discharge into RCWD and EMWD interceptors for treatment. With continued growth expected to increase demand for wastewater treatment, both EMWD and RCWD plan to expand the capacity of the treatment facilities serving Murrieta, which are respectively, the Temecula Valley Regional Water Reclamation Facility and the Santa Rosa Water Reclamation Facility.

RANCHO CALIFORNIA WATER DISTRICT[4]

RCWD operates the Santa Rosa Water Reclamation Facility (SRWRF), which is located within the City of Murrieta. The SRWRF has maximum capacity of 5.0 millions gallons per day (mgd). In 2004, the SRWRF collected 2.71 mgd.[5] *Table 5.16-1*, *Santa Rosa Water Reclamation Facility Wastewater Collection and Treatment* summarizes the past, current, and projected average dry weather wastewater volumes collected and treated and the quantity of wastewater treated to recycled water standards for treatment plants within RCWD's service area. Between 2005 and 2030, the average wastewater collected by the SRWRF is expected to more than double from its 4,481 acre-feet to 9,353 acre-feet. The entire amount of wastewater collected is expected to meet recycled water standards. Utilization of treated effluent for recycled water use after further treatment is projected to increase from 36 percent in 2005 to 79 percent in 2030.[6]

[3] County of Riverside, Department of Environmental Health, http://www.rivcoeh.org/opencms/rivcoeh/ProgServices/EPO_Division/Land_Use.html#septic, accessed January 13, 2010

[4] City of Murrieta Master Environmental Assessment, October 28, 1992

[5] Page 9, Rancho California Water District, 2005 Waterwater Facilities Master Plan, prepared by Kennedy/Jenks Chilton, April 2005.

[6] RCWD Regional Integrated Resources Plan (CDM, 2005)

Table 5.16-1
Santa Rosa Water Reclamation Facility Wastewater Collection and Treatment

Average Wastewater Collected (Acre-Feet)						
Wastewater Plant	2005	2010	2015	2020	2025	2030
Santa Rosa Water Reclamation Facility	4,481	5,685	6,889	7,710	8,532	9,353
Quantity Meeting Recycled Water Standards (Acre-Feet)						
Santa Rosa Water Reclamation Facility	4,481	5,685	6,889	7,710	8,532	9,353
Source: RCWD Regional Integrated Resources Plan (CDM, 2005)						

The existing wastewater collection system includes two major gravity trunk sewers. The longest trunk sewer is referred to as the Washington Avenue Trunk Sewer. This trunk sewer was designed to collect wastewater and convey those flows to the RCWD Santa Rosa WRF, which is located on Washington Avenue, south of Fig Street and west of Adams Avenue.

The second major trunk sewer within the existing wastewater collection system is referred to as the California Oaks Sewage Transmission Main (COSTM). This trunk sewer was designed to serve the California Oaks Specific Plan (Specific Plan No. 173). The California Oaks development area is split between EVMWD and RCWD service areas, some of the California Oaks wastewater flows are generated from areas within RCWD and some within EVMND. The COSTM consists of 13,000 feet of 15-inch diameter pipe.

There are three RCWD sewer lift stations within the City of Murrieta. The California Oaks sewer lift station discharges through an 8-inch diameter pipe and provides approximately 1.3 mgd capacity. The San Joaquin sewer lift station discharges through a 10-inch diameter pipe and provides approximately 1.8 mgd. The Bear Creek sewer lift station discharges through a 6-inch diameter pipe, and provides approximately 0.6 mgd capacity.

EASTERN MUNICIPAL WATER DISTRICT

EMWD wastewater collection systems include: 1,534 miles of gravity sewer, 53 lift stations, and five regional water reclamation facilities, with interconnections between local collection systems serving each treatment plant.[7]

The EMWD facility that provides treatment for Murrieta is called the Temecula Valley Regional Water Reclamation Facility (TVRWRF); refer to *Table 5.16-2*, *EMWD Treatment Facilities Acre-Feet/Year* for a summary of all treatment facilities within the EMWD.

[7] Rancho California Water District, *Final Integrated Regional Water Management Plan for the Upper Santa Margarita Watershed Planning Region*, July 21, 2007

Table 5.16-2
EMWD Treatment Facilities Acre-Feet/Year

Treatment Plant	Level of Treatment	Capacity	2000 Flow	Current Flow
San Jacinto Valley RWRF	Secondary	12,300	7,800	9,400
Moreno Valley RWRF	Tertiary	17,900	12,200	14,200
Perris Valley RWRF	Tertiary	12,300	8,600	12,200
Sun City RWRF	Tertiary	3,400	Not in Service	Not in Service
Temecula Valley RWRF	Tertiary	15,700	8,500	14,200
Total System		**61,600**	**37,100**	**50,000**

AF/Y = acres feet per year
Source: Eastern Municipal Water District 2005 Urban Water Management Plan.

With the exception of the San Jacinto Valley RWRF, all of the EMWD's RWRF's produce tertiary effluent, suitable for all Department of Health Services permitted uses, including irrigation of food crops and full-body contact. The secondary effluent produced by the San Jacinto Valley RWRF is used locally for the irrigation of feed, fodder, and seed cropes. However, tertiary treatment capacity was added to the plant in 2006.[8]

The TVRWRF is located outside the City of Murrieta within the southeast east region of the EMWD service area just west of the City of Temecula. The TVRWRF has the capacity to treat 14.5 mgd[9]. In addition to the TVRWRF, the EMWD operates the 17-mile Temecula Valley Recycled Water Pipeline, which discharges near Lake Elsinore at Temescal Creek. In March 2009, EMWD, RCWD, and EVMWD agreed to formalize their responsibilities and share expenses in operating the Recycled Water Pipeline. The agreement allows each agency to expand their wastewater treatment facilities and their recycled water customer base. Both RCWD and EVMWD own some capacity in EMWD's pipeline and related facilities. In time, the pipeline will transport 30 million gallons a day as the supply of wastewater increases.[10]

Within the City of Murrieta, the EMWD Temecula Valley Collection system consists of approximately 282,000 feet of sewer pipe ranging between 12 inches to 30 inches in diameter. There are four major EMWD sewer lift stations within the City of Murrieta: Warm Springs (16.1 mgd), New Pala (10.1 mgd), Diaz (6.8 mgd), and Golden Triangle #2 (2.6 mgd).[11]

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[8] Source: Eastern Municipal Water District 2005 Urban Water Management Plan.

[9] Reuse and Regulatory Compliance Presentation by Jayne Joy, PE, Director, Environmental and Regulatory Compliance, Eastern Municipal Water District, August 19, 2009; http://www.watereuse.org/files/s/docs/EMWD_Recycled_Water_Prgm_WateReuse_08192009.pdf, accessed January 13, 2010.

[10] Eastern Municipal Water District, Elsinore Valley Municipal Water District, Rancho California Water District Joint Press Release, March 26, 2009, http://www.emwd.org/news/news-archives/news_09/3-PartyRecycledWaterAgreement_3-26-09.pdf, accessed January 13, 2010.

[11] City of Murrieta Master Environmental Assessment, October 28, 1992

Table 5.16-3, *EMWD Wastewater Collected and Treated Acre-Feet/Year* summarizes the total wastewater collected and treated from 2000 the through the *EMWD 2005 Urban Water Management Plan* (*EMWD UWMP*) forecast year 2025. *Table 5.16-4*, *Disposal of Wastewater (Non-Recycled) Acre-Feet/Year* summarizes the total disposal from year 2000 through forecast year 2025.

Table 5.16-3
EMWD Wastewater Collected and Treated Acre-Feet/Year

Water Supply Sources	2000	2005	2010	2015	2020	2025
Wastewater Collected & Treated	36,572	49,976	61,051	69,817	78,177	85,785
Quantity Meeting Recycling Standards	36,572	49,976	61,051	69,817	78,177	85,785

AF/Y = acres feet per year
Source: Eastern Municipal Water District 2005 Urban Water Management Plan.

Table 5.16-4
Disposal of Wastewater (Non-Recycled) Acre-Feet/Year

Name of Disposal	Treatment	2000	2005	2010	2015	2020	2025
Livestream Discharge	Tertiary	0	9,976	13,651	18,117	22,977	26,785

AF/Y = acres feet per year
Source: Eastern Municipal Water District 2005 Urban Water Management Plan.

5.16.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, wastewater facilities impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board.
- Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects.
- Result in a determination by the wastewater treatment provider that serves or may serve the project that it has inadequate capacity to serve the project's projected demand in addition to the provider's existing commitments.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.16.4 PROJECT IMPACTS AND MITIGATION MEASURES

■ IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INCREASED DEMAND FOR WASTEWATER SERVICES AND INFRASTRUCTURE.

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Implementation of the proposed General Plan 2035 would potentially result in additional development, resulting in an increase in the City's population and businesses, and thus, an overall increased demand on the existing sewer system from increased sewage flows. As indicated in *Table 5.16-5*, *Net Increase in Wastewater Generation Under General Plan 2035* buildout under the proposed General Plan 2035 would generate an additional 6,403AF/Y of effluent sewer flow to the existing sewer conveyance system. According to *Table 5.16-1* and *Table 5.16-3*, the total planned wastewater collection of 8,532 AF/Y for SRWRF and 85,785 AF/Y for EMWD, a total of 94,317 AF/Y, is anticipated for year 2035. The General Plan 2035 would only utilize approximately 6.79 percent of the anticipated wastewater collection from SRWRF and EMWD.

Wastewater collection for the City is provided by the same four water districts that provide potable water to the City: RCWD, EVMWD, WMWD, and EMWD. Only RCWD and EMWD provide wastewater treatment.

Table 5.16-5
Net Increase in Wastewater Generation Under General Plan 2035

Land Use	Units	Generation Factor[1]	Gallons Per Day	Gallons Per Year	Million Gallons Per Day	AF/Y
Residential	10,734	100 g/p/d	3,220,200	1,175,373,000	3.2202	3,608.40
Non-Residential[2]	831.284 acres	3000 g/a/d	2,493,852	910,255,980	2.4939	2,794.49
Total	**-**	**-**	**5,714,052**	**2,085,628,980**	**5.7141**	**6,402.88**

[1] *City of Murrieta GP Draft EIR*, Table 4.6-4, *Murrieta Wastewater Generation Existing and Future With Project*, Generation Factors from Eastern Municipal Water District, December 1993
[2] Non-residential land uses include commercial, office and research park, business park, and civic/institutional.
g/p/d = gallons per person per day
g/a/d = gallons per acre per day
AFY = acres feet per year

Currently, portions of the North Murrieta Business Corridor, South Murrieta Business Corridor, and the Golden Triangle North (Central Murrieta) Focus Areas, along with parcels in the "key hole" area, which includes the Los Alamos Hills (refer to *Exhibit 5.15-1*), are not located within a water district and operate on individual septic systems. For the North Murrieta Business Corridor Focus Area, the area generally north of Clinton Keith Road, west of Meadowlark Lane, south of Baxter Road and east of Menifee Road is not within a water district. For the South Murrieta Business Corridor Focus Area, a small portion north of the I-15 and east of the 1-215 freeway and including parcels both north and south of Jackson Avenue, and parcels generally east of Guava Street, south of Adams Avenue, west of Fig Street, and north of Washington Avenue are not within a water district. For the Golden Triangle North (Central Murrieta) Focus Area, only a small portion just north of the I-15 freeway east of Juniper Street is not within a water district. It is anticipated that future development within these areas would annex to the appropriate water district for service and connection to the infrastructure systems.

In addition, there are a number of areas within the City that have no or limited infrastructure in place today. These areas include, but are not limited to, areas designated as Rural Residential, as well as the Northern Murrieta Business Corridor, Clinton Keith/Mitchell, Golden Triangle North (Central Murrieta), South Murrieta Business Corridor, and Multiple Use Area 3 Focus Areas.

Individual developments would be reviewed by the City of Murrieta and the applicable water district to determine if sufficient sewer capacity exists to serve the specific development. The City must continue to coordinate with the water districts to make sure that new development does not exceed the capacity of wastewater conveyance and treatment facilities, and that new development pays its fair share to increase capacity of those facilities. The proposed General Plan 2035 includes goals and policies in the Infrastructure Element that support coordination with the water districts. The applicable water district would charge fees for the privilege of connecting to their sewerage systems or increasing the strength and/or quantity of wastewater attributable to a particular parcel or operation already connected. The fees are required to construct new sewer infrastructure and/or incremental expansions to the existing sewerage system to accommodate individual development, which would mitigate the impact of the development on the sewerage system.

With continued growth expected to increase demand for wastewater treatment, both EMWD and RCWD plan to expand the capacity of the treatment facilities serving Murrieta, which are respectively, the TVRWRF and the SRWRF. The water districts would only allow new developments to connect to their sewer systems if there is sufficient capacity or planned expansions of its facilities to accommodate new developments proposed. Therefore, new development would not be permitted to exceed the capacity of wastewater conveyance systems or treatment facilities, since adequate capacity must be demonstrated in order to contribute flows to the system. All expansions of the water districts must be sized and service phased to be consistent with the SCAG regional growth forecasts for the southern California counties. The available capacities of the water districts are limited to levels associated with the approved growth identified by SCAG. SCAG Regional Transportation Plan (RTP) growth forecasts are

updated every four years; therefore, SCAG's 2012 RTP growth forecast would take into account the growth associated with the City of Murrieta's adopted General Plan at that time.

Water conservation will be a key factor in reducing the amount of wastewater generated per household. Further development in areas of the City where sewer infrastructure is not available may require additional alternative on-site water treatment systems. The proposed General Plan 2035's Infrastructure and Conservation Elements includes goals and policies to ensure wastewater conveyance, treatment facilities, and disposal is adequate to service development associated with implementation of the General Plan 2035. Infrastructure Element Policies INF-1.9 and 1.10 encourage the water districts to maintain, improve, and replace aging wastewater systems to ensure services to all areas of the community and in a way that also respects the natural environment. Policy INF-1.8 encourages consultation with the water districts and the RCFCWCD to ensure that fee structures are sufficient for new development and redevelopment to pay its fair share of the cost of infrastructure for sewer. Additionally, the increase in population is anticipated to occur throughout the General Plan forecast year of 2035, allowing for development of necessary services and infrastructure to accommodate the proposed growth. With the anticipated expansion of the EMWD and RCWD treatment facilities, City coordination with the water districts, implementation of the proposed General Plan 2035 goal and policies, and mitigation measures requiring individual development projects to verify sufficient wastewater transmission and treatment plant capacity is available to serve the proposed development, impacts would be reduced to a less than significant level. Furthermore, the General Plan 2035 would only use approximately6.79 percent of the anticipated wastewater collection from SRWRF and EMWD. Therefore, impacts are less than significant in this regard; however Mitigation Measures have been recommended for future development projects to ensure that impacts remain at less than significant levels.

Goals and Policies in the Proposed General Plan 2035:

INFRASTRUCTURE ELEMENT

Goal INF-1 New development and redevelopment is coordinated with the provision of adequate infrastructure for water, sewer, storm water, and energy.

Policies

INF-1.1 Encourage future development to occur in areas where infrastructure for water, sewer, and storm water can most efficiently be provided.

INF-1.2 Discourage development in areas without connections to existing infrastructure, unless infrastructure is being provided.

INF-1.3 Encourage the annexation of unserved areas into water district service areas.

INF-1.4 Ensure that new development and redevelopment provides infrastructure for water, sewer, and storm water that adequately serves the proposed uses, and that has been coordinated with affected infrastructure providers.

INF-1.5 Continue to require new development and redevelopment to provide verification that energy utilities are able to accommodate the additional demand for service.

INF-1.6 Provide information to water districts, Riverside County Flood Control and Water Conservation District (RCFCWCD), and energy utilities in their planning efforts to ensure adequate infrastructure is available for anticipated development.

INF-1.7 Encourage the preparation and updates of master plans by the appropriate providers or agencies to conduct detailed long-range planning to ensure the efficient provision of public services, infrastructure, and/or utilities.

INF-1.8 Consult with water districts and Riverside County Flood Control and Water Conservation District (RCFCWCD) to ensure that fee structures are sufficient for new development and redevelopment to pay its fair share of the cost of infrastructure improvements for water, sewer, and storm water.

INF-1.9 Encourage the water districts to proactively manage their assets through the maintenance, improvement, and replacement of aging water and wastewater systems to ensure the provision of these services to all areas of the community.

INF-1.10 Encourage the water districts to improve water and wastewater services in a way that respects the natural environment.

INF-1.21 Encourage the use of specific plans, development agreements, or mechanisms that specify the nature, timing, cost, and financing mechanisms to be used to fund water, wastewater, and/or storm drainage improvements and services.

CONSERVATION ELEMENT

Goal CSV-1 A community that conserves, protects, and manages water resources to meet long-term community needs, including surface waters, groundwater, imported water supplies, storm water, and waste water.

Policies

CSV-1.1 Encourage the provision of a safe and sufficient water supply and distribution system.

CSV-1.2 Promote the maximization of water supplies through conservation, water recycling, and groundwater recharge.

CSV-1.3 Promote the protection of groundwater supplies from contamination.

CSV-1.4 Support water purveyors in promoting a City-wide recycled water system through project review and coordination with water districts.

CSV-1.6 Coordinate water resource management with water districts and regional, state, and federal agencies.

Mitigation Measures:

WW-1 Prior to issuance of a wastewater permit for any future development project, the Project Applicant shall pay applicable connection and/or user fees to RCWD, EVMWD, WMWD, or EMWD.

WW-2 Prior to issuance of a building permit for any future development project, the Project Applicant shall prepare an engineering study to support the adequacy of the sewer systems and submit the engineering study to the City for review and approval. Any improvements recommended in the engineering study shall be installed prior to the certificate of occupancy for the development project.

WW-3 Prior to issuance of a building permit for any future development project, the Project Applicant shall provide evidence that the RCWD, EVMWD, WMWD, or EMWD has sufficient wastewater transmission and treatment plant capacity to accept sewage flows from buildings for which building permits are being requested.

Level of Significance After Mitigation: Less Than Significant Impact.

5.16.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND OTHER CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS TO WASTEWATER SYSTEMS DUE TO INCREASED DEMAND AND CREATING THE NEED FOR ADDITIONAL FACILITIES.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: For this topic, the cumulative impacts are analyzed in terms of impacts to wastewater conveyance systems and/or treatment facilities operated by the City of Murrieta as well as the four water districts: RCWD, EVMWD, WMWD, and EMWD.

Buildout of the proposed General Plan 2035 along with other local projects would add demand for wastewater services within the service area of the City of Murrieta, RCWD, EVMWD, WMWD, and EMWD. The availability of adequate treatment capacity along with the continuous assessment of capacity flows would be determined on a project-by-project basis. Individual development projects would be required to verify that existing capacity exists to convey and treat the potential wastewater generated with the new development. Additionally, the City's General Plan 2035 proposes goals and policies to reduce potential growth related impacts associated with implementation of the proposed General Plan 2035, including wastewater services and facilities. Implementation of the goals and policies identified in the proposed General Plan 2035 and recommended mitigation measures (WW-1, WW-2, and WW-3), would reduce potential cumulative impacts to wastewater services and facilities to a less than significant level.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.16.

Mitigation Measures: Refer to Mitigation Measures WW-1, WW-2, and WW-3. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

5.16.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Wastewater impacts associated with implementation of the proposed General Plan 2035 Murrieta would be less than significant with compliance with the goals and policies in the proposed General Plan 2035 and the recommended mitigation measures. Therefore, no significant unavoidable wastewater impacts would occur as a result of the proposed General Plan 2035.

5.16.7 SOURCES CITED

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General Plan Update

Section 5.17:
Fire Protection

5.17 FIRE PROTECTION

This section identifies fire protection services within the City of Murrieta and provides an analysis of potential impacts associated with the buildout of the proposed General Plan 2035. Information in this section is based on information in the proposed General Plan 2035 Safety Element, and information provided by the Murrieta Fire Department.

5.17.1 REGULATORY SETTING

CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION[1]

The California Department of Forestry and Fire Protection (CAL FIRE) is dedicated to the fire protection and stewardship of over 31 million acres of California's privately-owned wildland. Additionally, Cal Fire provides varied emergency services in 36 of the State's 58 counties via contracts with local governments. The Cal Fire's firefighters, fire engines, and aircraft respond to an average of more than 5,600 wildland fires per year. These fires burn approximately more than 172,000 acres of land annually. Beyond its wildland fire fighting role, CAL FIRE answers the call more than 300,000 times for other emergencies and disasters each year.

RIVERSIDE COUNTY FIRE DEPARTMENT[2]

The Riverside County Fire Department (RCFD) is one of the largest regional fire service organizations in California. The RCFD operates 95 fire stations in 17 battalions, providing fire suppression, emergency medical, rescue, and fire prevention services. The RCFD responded to 110,224 incidents during the 2005 calendar year. The RCFD is staffed with approximately 952 career and 1,100 volunteer personnel, and currently serves approximately 2 million residents in the area of approximately 7,004 square miles. The RCFD service area consists of the unincorporated county areas, 18 contract cities, and one Community Service District (CSD).

MURRIETA FIRE DEPARTMENT

Fire Protection Plan

The Murrieta Fire Department (MFD) is the primary provider of fire suppression, pre-hospital emergency medical care, disaster preparedness coordination, hazard mitigation, and fire

[1] California Department of Forestry and Fire Protection website, http://www.fire.ca.gov/about/about.php, accessed December 4, 2009.

[2] Riverside County Fire Department website, http://www.rvcfire.org/opencms/about_us/, accessed December 4, 2009.

prevention services in the City of Murrieta.[3] The MFD adopted a Fire Protection Plan in 2005 that provides policy-oriented and long-range guidance regarding the MFD's services, equipment, and personnel.

Fire Prevention and Other Services

Besides fire suppression, the MFD services also include fire investigation, public safety education, fire protection engineering, building inspections for code compliance, weed abatement, hazardous materials inspections, and emergency preparedness planning and training.

Mutual Aid Agreements

The MFD also participates in the California Master Mutual Aid Agreement, as well as an Automatic Aid Agreement with CAL FIRE and RCFD for multiple locations in and adjacent to the City boundaries.

The MFD participates in an Automatic Aid Agreement with the RCFD to expedite service delivery to the eastern portion of the City, along Winchester Road and in the area between Winchester and the I-215 north of Clinton Keith Road.

5.17.2 ENVIRONMENTAL SETTING

FACILITIES

The Murrieta Fire Department has five stations located to optimize response times throughout City, listed in *Table 5.17-1*, *Murrieta Fire Facilities*.

STAFFING

As of 2010, there were 61 authorized positions in the MFD. These positions include 15 Captains, 15 Engineers, and 15 Firefighters.[4] The MFD has a target staffing level of five stations with three-person engine companies plus one on-duty Battalion Chief for a total of 16 on-duty suppression personnel at all times.

Firefighters are cross-trained to provide other emergency services. All fire suppression personnel are trained to the level of Emergency Medical Technician Defibrillator (EMT-D). All 15 Firefighters are trained as Paramedics, as well as the nine Engineers and six Captains. All Firefighters are trained in hazardous materials decontamination procedures; certain Firefighters are trained in Urban Search and Rescue.

[3] Murrieta Fire Department, "Fire Department," http://www.murrieta.org/services/fire/index.asp, accessed January 4, 2010.

[4] Gary Whisenand, Division Chief, Murrieta Fire Department, telephone conversation, January 8, 2010.

Table 5.17-1
Murrieta Fire Department Facilities

Station	History	Equipment
Fire Station No. 1 41825 Juniper Street	Opened April 1966 Enlarged to 4 bays in 1987	1 Type I Engine 1 Type II Engine 1 Light/Air Unit 1 Mobile Command Post 1 Water Tender 1 Reserve Type I Engine 3 CERT Units
Fire Station No. 2 40060 California Oaks Road	Opened May 23, 1990	1 65-foot aerial ladder truck 1 Reserve Type I Engine
Fire Station No. 3 39985 Whitewood Road	Opened November 1, 1992 Closed October 2, 1993 Reopened February 4, 1994	1 Type I Engine 1 Reserve Type I Engine 1 Type III Brush Engine
Fire Station No. 4 28155 Baxter Road	Opened October 15, 2005	1 Type I Engine 1 OES Type III Brush Engine
Fire Station No. 5 38391 Vineyard Parkway	Opened 2010	1 Type I Engine 1 Type III Brush Engine 1 Special Ops Trailer

Sources:
Murrieta Fire Department, "Fire Department Facilities," http://www.murrieta.org/datapages/datafull.asp?id=5, accessed January 4, 2010.
Stephanie Smith, Senior Management Analyst, Murrieta Fire Department, Fire Protection Services Questionnaire, December 9, 2009.

RESPONSE TIME AND ISO RATING

The MFD has a target response time of 6½ minutes from the time of the alarm on all calls, which includes 5½ minutes of drive time and a one minute "turnout" time. Stations in the outlying regions experience longer average response times, such as the eastern portion of the City along Winchester Road and in the area between Winchester and the I-215 north of Clinton Keith. A fire station in this area would help achieve the target response time.

Insurance Services Office (ISO) rates fire department staffing and equipment, communications centers and water systems. The numeral classification rating is utilized to establish the community's commercial and industrial insurance rates. For every decrease in one rating point, these insurance costs decrease by approximately 10 percent. The MFD's ISO rating is 4 in areas with fire hydrants and 9 in outlying areas that do not have water supply.

PROTECTION FOR HIGH-RISE BUILDINGS

As Murrieta develops with more Class A high-rise office buildings, further investments in equipment and personnel are needed. Fire suppression for high-rise buildings is better

accomplished with four people assigned to each engine company rather than three. An aerial truck company with a ladder extension of 100 feet and staffed with four persons will be able to access and provide fire suppression for buildings such as Loma Linda University Medical Center-Murrieta.

FIRE PREVENTION

The MFD engages in several activities that are aimed at preventing fires. Besides the Weed Abatement program for wildfires, the MFD also provides fire protection engineering, building inspections for code compliance, and hazardous materials inspections. The MFD also provides education and training in public safety and emergency preparedness.

The Murrieta Sphere of Influence is served by the RCFD. The MFD may also provide service to the Sphere of Influence by means of an Automatic Aid Agreement with the RCFD.[5]

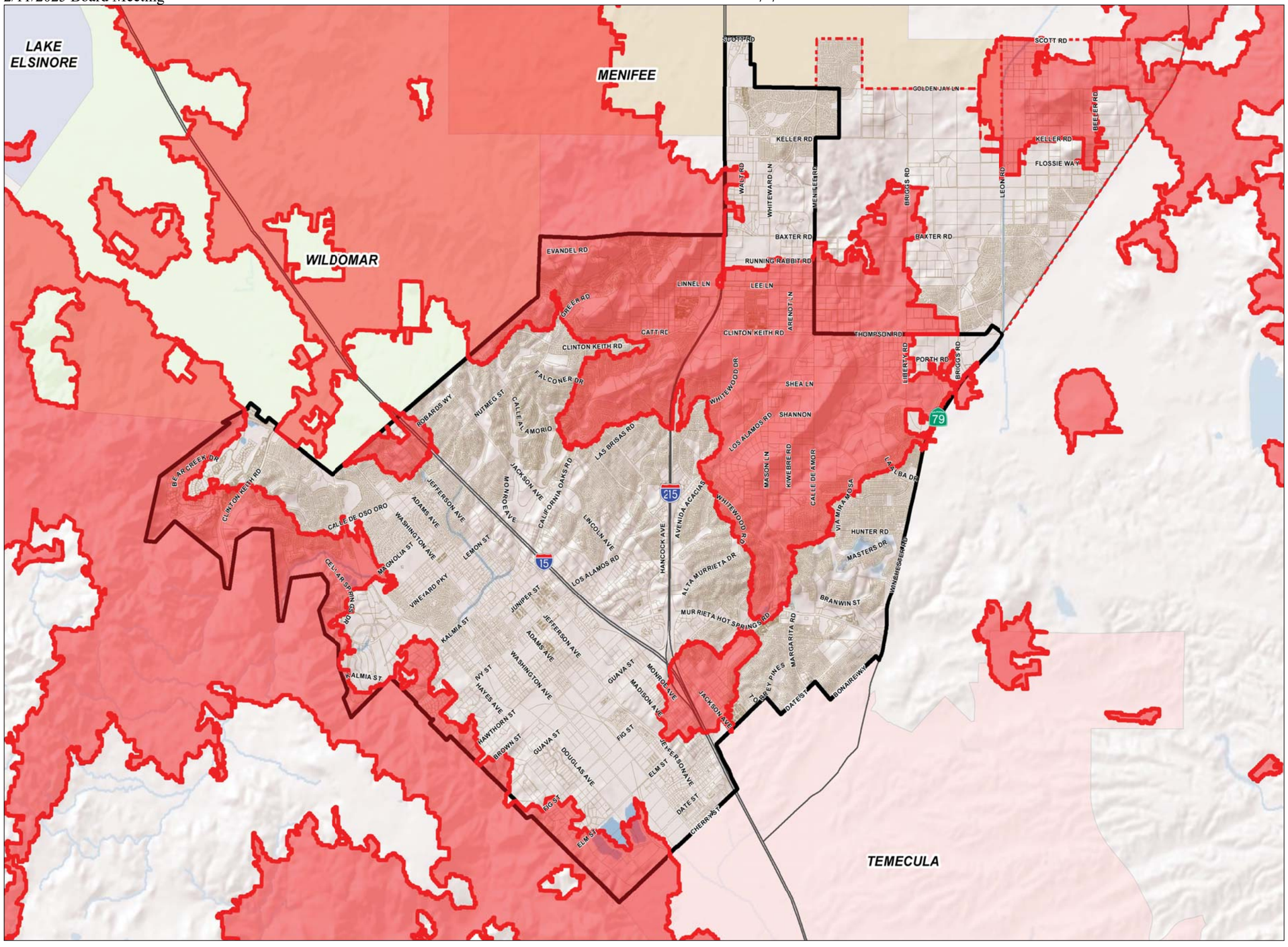
WILDLAND FIRES

A wildfire is an uncontrolled fire spreading through vegetative fuels and exposing or consuming structures. Wildfires are often unnoticed and spread quickly. Although not located in a wilderness area, the threat of a wildland fire in or near Murrieta is high due to the wildland urban areas in and around the City. A wildland is a geographical area where structures and other human development meet or intermingle with wildland or vegetative fuels. Significant development in areas of the City and its surroundings are considered wildland and have experienced prolonged droughts and are excessively dry and at risk of wildfires. The threat is particularly significant during dry summer months and when there are strong Santa Ana winds. The fire season extends approximately 5 to 6 months, from late spring through fall.

Wildland fire hazards exist in varying degrees over approximately 90 percent of Riverside County and the City of Murrieta in open space, parklands, and agricultural areas. The undeveloped hillside areas in and adjacent to the City of Murrieta present a potentially serious hazard due to the high potential for large scale wildland fires. The escarpments along the western boundary of the City are notorious for their threat of wildland fires that move quickly through the area. Similar wildland areas exist in the Greer Ranch area in northern Murrieta, and the Hogbacks and Los Alamos area. Refer to *Exhibit 5.17-1*, *High Fire Hazard Zones* for locations within the City considered high fire hazard zones.

Fire hazards arise from a combination of reasons: undeveloped and rugged terrain, highly flammable brush-covered land, and long dry summers. There are heavy fuel loads, especially in watershed areas unaffected by fire for many years. Structures with wood shake roofs ignite easily and produce embers that contribute to fire spread. The aftermath of wildland fire produces a new area of potential landslide as burned and defoliated areas are exposed to winter rains.

[5] Gary Whisenand, Division Chief, Murrieta Fire Department, telephone conversation, January 8, 2010.



Murrieta General Plan Update

LEGEND

- High Fire Zone
- Parcels
- Sphere of Influence
- City Boundary

0 0.5 1
Miles

Source: County of Riverside, City of Murrieta and ESRI - World Shaded Relief.

RBF CONSULTING

07/11 • JN 10-106976

High Fire Hazard Zones

Exhibit 5.17-1

Back of 11 x 17 exhibit

HIGH FIRE HAZARD ZONES

The MFD provides services that include fire prevention, suppression, planning and engineering, disaster preparedness, rescue services, and emergency medical services. The Sphere of Influence area is served by RCFD through a contract with Cal Fire. The agencies also provide overlapping service under agreements for automatic aid and wild-land fire response. RCFD has experienced devastating fires in the wildland/urban interface area. Conditions of development are currently required, such as Class A roofing, noncombustible siding and 100-foot fuel buffer zones, to protect communities from wildland/urban interface fires. Additionally, other techniques, such as fuel modification and firebreaks, may be utilized to reduce the threat from wildland fires. Furthermore, community planning, awareness, and involvement are proven elements of effectively reducing the occurrence and damage associated with wildland fires.

FIRE FLOWS

Water supply has been improved in areas that were identified in the Fire Protection Plan as lacking adequate fire flows, namely, historic Murrieta and Washington Avenue south of Murrieta Creek. Fire flows in these areas are no longer a concern due to upgrades done by the Western Municipal Water District.[6]

FUNDING

The MFD is independently funded through a combination of ad valorem tax and parcel assessment. The MFD is a subsidiary district of the City of Murrieta, and maintains an independent revenue stream through the tax rolls dating back to 1947.

In addition, capital improvements are funded through Development Impact Fees and special Development Agreement Fees; refer to *Table 5.17-2*, *Fire Department Development Impact Fees*.

Table 5.17-2
Fire Department Development Impact Fees

Use	Fee
Rural Estate Dwellings	$668.31/unit
Single Family Dwellings	$668.31/unit
Multi-Family Dwellings	$988.44/unit
Office Uses	$0.20/square foot
Commercial Uses	$0.40/square foot
Industrial Uses	$0.09/square foot
Source: City of Murrieta Annual Fiscal Fee Schedule, 2009-2010.	

[6] Gary Whisenand, Division Chief, Murrieta Fire Department, telephone conversation, January 8, 2010.

5.17.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, fire protection service impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or result in the need for new or physically altered governmental facilities, the construction of which may cause significant environmental impacts in order to maintain acceptable service ratios, response times or other performance objectives.

- Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.17.4 PROJECT IMPACTS AND MITIGATION MEASURES

FIRE PROTECTION SERVICES AND FACILITIES

- **BUILDOUT OF THE CITY IN ACCORDANCE WITH THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN THE NEED FOR ADDITIONAL FIRE FACILITIES OR PERSONNEL.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Future fire protection levels would be considered adequate if existing emergency response times and staffing levels could be maintained and if the MFD's fire service standards and fire flow requirements are met. However, if buildout associated with the proposed General Plan 2035 causes MFD standards to not be achieved, fire protection services would be considered inadequate, thereby constituting a significant impact. As a result, additional facilities, personnel, and equipment may be required to maintain adequate levels of fire protection within the City.

The MFD has indicated that proposed General Plan 2035 would not create significant changes to its services, and does not recommend any mitigation measures beyond the General Plan 2035 goals and policies and existing regulations. However, as the General Plan 2035 is implemented, the MFD may need the addition of a Truck Company with a staffing of four to accommodate the potential office development. Additionally, the MFD noted that the 2010 Fire Code requires residential sprinkler systems in each new home built. This became effective January 1, and would be implemented into every new residential building permit.[7]

Buildout of the proposed General Plan 2035 would result in additional demands on existing fire services, as individual projects are developed and associated increases in population are realized. New developments associated with the buildout of the proposed General Plan 2035 would be required to comply with all applicable fire code and ordinance requirements for construction, access, water mains, fire flows, and hydrants. Individual projects would be reviewed by the MFD to determine the specific fire requirements applicable to the specific development and to ensure compliance with these requirements. This would ensure that new developments would not reduce the staffing, response times, or existing service levels within the City. Therefore, implementation of the proposed General Plan 2035 would result in a less than significant impact in this regard.

Additionally, the proposed General Plan 2035 Safety Element includes goals and policies that address fire protection services and identify the need to provide adequate resources to respond to health and fire emergencies within the City, including adequate staffing of fire response personnel and trained medical technicians. Adherence to the goals and policies would reduce fire protection service impacts to a less than significant level.

Goals and Policies in the Proposed General Plan 2035:

SAFETY ELEMENT

Goal SAF-5 Damage from fire hazards is minimized through preventive measures, education, and fire protection services.

Policies

SAF-5.1 Continue efforts to reduce fire hazards associated with older buildings, multi-family housing, and fire-prone industrial facilities throughout the City.

SAF-5.2 Provide public safety education programs through the Fire Department to reduce accidents, injuries and fires, as well as to train members of the public to respond to emergencies.

[7] Written correspondence with Sean Kean, Battalion Chief, Murrieta Fire Department, January 2011.

SAF-5.3 Continue to coordinate fire protection services with Riverside County, CAL FIRE, and all other agencies and districts with fire protection powers.

SAF-5.4 Ensure that outlying areas in the City can be served by fire communication systems as new development occurs.

SAF-5.5 Require that all dedicated open space or undeveloped areas meet specifications for fire safety.

Goal SAF-6 The Murrieta Fire Department provides a timely response to fire and other emergencies.

Policies

SAF-6.1 Respond to 90 percent of medical and fire incident calls within 6½ minutes from dispatch.

SAF-6.2 Ensure that each Paramedic Assessment Engine Company provides the capacity to treat moderate or greater injuries, transport patients to hospitals, advance a hose line for fire control, and to effect a rescue of trapped occupants.

SAF-6.3 Provide adequate levels of fire suppression personnel for all areas.

SAF-6.4 Ensure sufficient personnel and equipment to provide fire suppression for high rise buildings.

SAF-6.5 Locate, staff, and equip Fire Department units to provide service to all areas within the City within a maximum of 12 minutes total response time for 90 percent of all mass casualty incidents or major structure fires.

SAF-6.6 Evaluate the feasibility and benefits of incorporating Emergency Medical Dispatch into the dispatching system to provide emergency medical assistance to callers.

SAF-6.7 Strategically cross-train Fire Department personnel as Emergency Medical Technician Defibrillators and Paramedics as well as in Urban Search and Rescue, swift water rescue, and hazardous materials decontamination.

SAF-6.8 Maintain and implement a Fire Department Strategic Plan to address staffing and facility needs, service goals, deployment strategies, and other department goals.

SAF-6.9 Strive to achieve an Insurance Services Office (ISO) Public Protection Classification of 3 in areas with fire hydrants and 9 in areas that are not connected to an existing water district supply system.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

WILDLAND FIRE HAZARDS

- **BUILDOUT OF THE CITY IN ACCORDANCE WITH THE PROPOSED GENERAL PLAN 2035 COULD INCREASE THE NUMBER OF HOMES OR BUSINESSES SUSCEPTIBLE TO WILDLAND FIRE HAZARDS.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: As shown on *Exhibit 5.17-1*, two areas of the City are within high fire hazard zones. The first area is in the northwest portion of the City, while the second area includes the escarpments along the western boundary of the City. No new development or intensification of development is proposed with the General Plan 2035 for these areas, thus no new homes or businesses would be susceptible to wildland fire hazards.

However, other areas of the City, though not in designated hire fire hazard zones, have the potential to be subject to large scale wildland fires, including in the Greer Ranch area in northern Murrieta, and the Hogbacks and Los Alamos Hills area. The General Plan 2035 proposes additional development in the Clinton Keith/Mitchell and North Murrieta Business Corridor Focus Areas. The Clinton Keith/Mitchell Focus Area is generally east of the Greer Ranch area and west of the I-215 freeway. The North Murrieta Business Corridor Area is east of the I-215 freeway and north of Clinton Keith Road, which is just north of the Los Alamos area. Thus, there is the potential for the homes and businesses in those two areas to be subject to wildland fire hazards. The MFD currently requires development, as part of a project's conditions of approval, to install Class A roofing, noncombustible siding, and/or 100-foot fuel buffer zones, to protect communities from wildland/urban interface fires.

The proposed General Plan 2035 Safety Element Goal SAF-7 and the related policies specifically address wildland fires. In addition, Mitigation Measures FP-1 through FP-4 require the preparation of fuel modification plans and sufficient water supply during construction. Implementation of the proposed General Plan 2035 goal and policies and the recommended mitigation measures would reduce impacts to a less than significant level.

Goals and Policies in the Proposed General Plan 2035:

SAFETY ELEMENT

Goal SAF-7 Reduced incidence of damage to life and property from wildland fires.

Policies

SAF-7.1 Continue to require development in high fire hazard areas to use fire-resistant building materials and landscaping, and to meet fire chief specifications for fuel modification, access, and water facilities.

SAF-7.2 Evaluate all new development to be located in or adjacent to wildland areas to assess its vulnerability to fire and its potential as a source of fire.

SAF-7.3 Encourage the use of development features such as roads and irrigated/landscaped open space to buffer homes from wildland fire.

SAF-7.4 Promote community education about preventing wildfire ignition, using fire-resistant building features, and creating defensible space around homes.

SAF-7.5 Continue to implement a weed abatement program to reduce fire hazards on private properties.

Mitigation Measures:

FP-1 The Murrieta Fire Department shall review future development projects to determine if a Fuel Modification Plan is required. If required, project applicants shall prepare the Fuel Modification Plan in accordance with Fire Department requirements prior to the issuance of a grading or building permit.

FP-2 Brush clearance shall be conducted prior to initiation of construction activities in accordance with Murrieta Fire Department requirements.

FP-3 Adequate access to all buildings on the project site shall be provided for emergency vehicles during the building construction process.

FP-4 Adequate water availability shall be provided to service construction activities.

Level of Significance After Mitigation: Less Than Significant Impact.

5.17.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS TO FIRE PROTECTION PERSONNEL, SERVICES, AND FACILITIES.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Development associated with implementation of the proposed General Plan 2035 would result in additional demands on existing fire services and equipment. New developments associated with the implementation of the proposed General Plan 2035 would be required to comply with all applicable fire code and ordinance requirements for construction, access, water mains, fire flows, and hydrants. Individual projects would be reviewed by the MFD to determine the specific fire requirements applicable to the specific development and to ensure compliance with these requirements. Specifically, the proposed General Plan 2035 includes policies to enforce requirements that all development proposals be reviewed in order that they may be analyzed for safety implications and to provide an adequate level of fire equipment, peakload water supply, and personnel to protect the community. The MFD's 2005 Fire Protection Plan provides policy-oriented and long-range guidance regarding fire services to ensure services are adequately funded, staffed, and equipped to provide a timely, effective response to both minor and major public safety concerns. The City would need to consider impacts to fire services and facilities as part of the long-term planning process, and has done that with the proposed General Plan 2035, which serves as a long-term planning document and anticipates future growth. The City reviews budgets on an annual basis and will plan for the anticipated future growth associated fire demands. Funding for fire services and facilities would be paid in part by developer fees and general funds. This would ensure that new developments would not reduce the staffing, response times, or existing service levels within the City. Therefore, implementation of the proposed General Plan 2035 would result in less than less than significant impacts to fire protection and emergency services. As such, implementation of the proposed General Plan 2035 would not result in cumulatively considerable fire protection impacts.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.17.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.17.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Fire protection impacts associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goals and policies in the proposed General Plan 2035 and recommended mitigation measures. No significant unavoidable fire protection impacts would occur as a result of buildout of the proposed General Plan 2035.

5.17.7 SOURCES CITED

California Department of Forestry and Fire Protection website, http://www.fire.ca.gov/about/about.php, accessed December 4, 2009.

City of Murrieta Final General Plan EIR, prepared by EIP Associates, June 1994.

City of Murrieta General Plan, prepared by EIP Associates, June 1994.

City of Murrieta General Plan, prepared by EIP Associates, June 21, 1994, Safety Element, updated February 6, 2001.

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Gary Whisenand, Division Chief, Murrieta Fire Department, telephone conversation, January 8, 2010.

Murrieta Fire Department Fire Protection Plan, dated February 2005.

Riverside County Fire Department website, http://www.rvcfire.org/opencms/about_us/, accessed December 4, 2009.

Sean Kean, Battalion Chief, Murrieta Fire Department, written correspondence, January 2011.

Stephanie Smith, Senior Management Analyst, Murrieta Fire Department, Fire Protection Services Questionnaire, December 9, 2009.

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Section 5.18:
Police Protection

5.18 POLICE PROTECTION

This section identifies police protection services within the City of Murrieta and provides an analysis of potential impacts associated with the buildout of the proposed General Plan 2035. Information in this section is based on information in the proposed General Plan 2035 Safety Element, and information provided by the Murrieta Police Department.

5.18.1 REGULATORY SETTING

CALIFORNIA PENAL CODE

The *California Penal Code* establishes the basis for the application for criminal law in California.

MURRIETA MUNCIPAL CODE

Title 8 of the *Murrieta Municipal Code* establishes regulations related to health and safety, while *Title 9* establishes regulations related to public peace, morals, and welfare. Code enforcement responsibilities are identified in *Title 16*, Chapter 16.84, Enforcement Provisions.

5.18.2 ENVIRONMENTAL SETTING

POLICE DEPARTMENT

The Police Department (Department) is organized into two main Divisions: Operations and Support. The Operations Division includes Traffic, Patrol, and officers who oversee several other types of programs.[1] The Support Services Division includes Code Enforcement, Investigation, the Records Bureau, the Special Enforcement Team, the Dispatch Center, and programs geared towards youth and schools.

Youth Programs

Several educational programs are tailored for students in 1st grade through 12th grade: 9-1-1 For Kids, D.A.R.E. and Red Ribbon Week, Every-15-Minutes, and Kid Print/Safety Fairs. The School Resource Officer Program assigns officers full-time to middle and high schools.[2]

[1] City of Murrieta Police Department, "Operations Division: Table of Personnel Organization," November 2009; and Lt. Dennis Vrooman, Public Information Officer, Murrieta Police Department, telephone conversation, December 22, 2009.

[2] City of Murrieta Police Department, "Support Services Division: Table of Personnel Organization," November 2009.

Police Activities League (PAL) coordinates recreational, educational, and athletic activities for disadvantaged or at-risk youth between the ages of 5 and 17. Police officers volunteer their time to attend PAL events with the intention of providing mentorship and to serve as positive role models. PAL activities create an environment where youth and law enforcement are able to communicate with each other in a neutral environment to foster positive attitudes and mutual respect.[3]

Three programs exist for youth rehabilitation. The Youth Accountability Team assesses the situations and arrests of delinquent youth aged 12 to 17 and implements a program aimed at rehabilitation, including service referrals and visits.[4] The Youth Accountability Board is made up of community volunteers wanting to assist in the rehabilitation of juveniles who have been arrested for minor criminal law violations.[5] The Southwest Valley Youth Court provides an alternative approach to juvenile justice in which juvenile respondents are sentenced by a jury of their peers for infractions and non-violent misdemeanor crimes.[6]

Multi-Family Housing Project Review

New multi-family housing developments going through the development review process must participate in the Crime Free Multi-Housing Program. Through this program, the Department provides recommendations for improving the safety of the developments using Crime Prevention Through Environmental Design (CPTED) strategies. Tenants also sign a lease addendum form, which lists criminal acts that result in immediate termination of the lease. Communication between rental property managers and the Department helps both parties to deal with problem tenants.[7]

Community Participation

Community participation is encouraged through many of the Department's programs. For instance, in Home to School Safety Patrols, parents and community members monitor designated locations around schools to ensure the safety of children on their way to and from school. The Special Enforcement Team manages Murrieta's Neighborhood Watch program. Police Station

[3] City of Murrieta Police Department, "Police Activities League," http://murrieta.org/datapages/dataprograms.asp?id=65, accessed December 21, 2009.

[4] City of Murrieta Police Department, "Youth Accountability Team," http://murrieta.org/datapages/dataprograms.asp?id=64, accessed December 21, 2009.

[5] City of Murrieta Police Department, "Youth Accountability Board," http://murrieta.org/datapages/dataprograms.asp?id=63, accessed December 21, 2009.

[6] City of Murrieta Police Department, "Youth Court," http://www.murrieta.org/datapages/dataprograms.asp?id=62, accessed December 21, 2009.

[7] Lt. Dennis Vrooman, Public Information Officer, Murrieta Police Department, telephone conversation, December 22, 2009.

Tours and the Ride-Along Program provide community members a closer look at the Police Department.[8]

Reserve Officer Program

The Department expands its capacity with the Reserve Officer program, as well as with the Volunteer Program in which participants volunteer at least 16 hours per month. Volunteers assist in Neighborhood Watch, Crime Free Multi-Housing, parades, citizen patrols, front counter and receptionist responsibilities, as well as school patrols and other special events.[9]

Other Department Programs

Other programs and responsibilities of the Department include the S.W.A.T. Team, Mounted Equestrian Patrol, Off-Road Motorcycle Enforcement, K-9 Program, DUI Checkpoints, Roving Patrols, Live Scan Fingerprinting, Court Ordered Registrants, Property and Evidence, and Towed/Impounded Vehicles.[10]

MUTUAL AID AGREEMENTS

The Department has an automatic aid agreement with the Hemet Police Department S.W.A.T. Team and participates in mutual aid agreements with other S.W.A.T. Teams in Riverside County. The Department also follows the State of California Law Enforcement Mutual Aid Plan. Resources shared through these agreements include Murrieta's bloodhound—used for investigations—and the Riverside County Sheriff's helicopter.[11] In addition, the Department participates in a number of regional task forces, including the Gang Task Force (GTF) and Riverside Auto Theft Interdiction Detail (RAID).

RESPONSE TIMES

The Police Department has established targets for response times, depending on the urgency of the call. *Table 5.18-1*, *Response Times* provides these target times and actual response times over the last three years.

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[8] City of Murrieta Police Department, "Police Department," http://www.murrieta.org/services/police/index.asp, accessed December 21, 2009.

[9] City of Murrieta Police Department, "Volunteer Programs," http://murrieta.org/datapages/dataprograms.asp?id=14, accessed December 21, 2009.

[10] City of Murrieta Police Department, "Police Department," http://www.murrieta.org/services/police/index.asp, accessed December 21, 2009.

[11] Lt. Dennis Vrooman, Public Information Officer, Murrieta Police Department, telephone conversation, December 22, 2009.

Table 5.18-1
Response Times

Call Type	Target Response Time (minutes:seconds)	Actual Response Time[1] (minutes:seconds)
Priority 1	6:00	6:19
Priority 2	15:00	14:27
Priority 3	35:00	36:08

[1] Average response times over 2007, 2008 and 2009 to date (early December).
Sources:
Lt. Dennis Vrooman, Public Information Officer, Murrieta Police Department, Police Protection Services Questionnaire, December 9, 2009.
Lt. Dennis Vrooman, Public Information Officer, Murrieta Police Department, telephone conversation, December 22, 2009.

CRIMES AND POLICE ACTIVITY

The Los Angeles Times ranked Murrieta as the second safest city in the nation for cities with populations over 100,000 based on 2008 preliminary FBI statistics that showed a violent crime rate of 8.4 per 10,000 residents. [12] Crimes numbers from the past 4 years are shown in *Table 5.18-2*, *Crime Statistics*.

Table 5.18-2
Crime Statistics

	2009	2008	2007	2006
TOTAL REPORTS TAKEN	**7,777**	**8,461**	**8,273**	**8,556**
Officer Initiated Activities	40,511	40,867	33,365	29,990
Police Responses	43,021	45,272	43,804	41,509
Fire Responses	6,699	6,447	6,666	6,108
TOTAL ACTIVITIES PROCESSED	**90,231**	**92,586**	**83,835**	**77,607**
PART 1 CRIMES				
Homicide	0	1	3	2
Rape	17	12	9	9
Robbery	34	23	46	31
Assault	199	357	393	388
Burglary	427	442	483	560
Larceny	881	898	1195	1184

[12] City of Murrieta news release, "Murrieta 2nd Safest City in the Nation," July 8, 2009.

Table 5.18-2 [continued]
Crime Statistics

	2009	2008	2007	2006
Auto Theft	156	166	277	225
Arson	4	10	2	4
TOTAL	**1,718**	**1,909**	**2,408**	**2,403**
TRAFFIC COLLISIONS				
Traffic Collision Responses	1,292	1,225	1,371	1,497
Damage Reports	541	477	464	458
Injury Reports	238	216	258	263
Fatal Reports	0	0	1	1
TOTAL COLLISION REPORTS	**779**	**693**	**723**	**722**
CITATIONS ISSUED:				
Parkers	943	1,203	1,225	542
Others (including red light camera)	13,018	13,292	11,077	10,750
TOTAL CITATIONS	**13,961**	**14,495**	**12,302**	**11,292**
ARREST:				
Misdemeanor Adult Arrests	1,667	2,024	1,540	1,435
Felony Adult Arrest	564	548	639	642
Misdemeanor Juvenile Arrests	169	308	307	266
Felony Juvenile Arrest	138	147	101	120
TOTAL ARRESTED	**2,538**	**3,027**	**2,587**	**2,463**

Sources:
City of Murrieta Police Department, "Police Activity Report," December 2007, December 2008, December 2009.

PROJECTED NEEDS

As the Department has grown, spaces in the headquarters that were originally intended for other uses have been converted into offices, such as the community room and interview room. An expansion of the facility was approved by the City Council in 2007, but not built. Funding has been approved for design but not construction of a facility expansion that is tentatively planned at 20,639 square feet. This expansion would accommodate needed office space for officers and staff, as well as a training room.[13]

[13] Lt. Dennis Vrooman, Public Information Officer, Murrieta Police Department, telephone conversation, December 22, 2009.

5.18.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, police protection service impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or result in the need for new or physically altered governmental facilities, the construction of which may cause significant environmental impacts in order to maintain acceptable service ratios, response times or other performance objectives.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.18.4 PROJECT IMPACTS AND MITIGATION MEASURES

BUILDOUT OF THE CITY IN ACCORDANCE WITH THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN THE NEED FOR ADDITIONAL POLICE FACILITIES OR PERSONNEL.

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Future police protection levels would be considered adequate if existing emergency response times and staffing levels could be maintained. However, if buildout associated with the proposed General Plan 2035 causes Department standards to not be achieved, police protection services would be considered inadequate, thereby constituting a significant impact. As a result, additional facilities, personnel, and equipment may be required to maintain adequate levels of police protection within the City.

The Murrieta Police Department provides police protection throughout the City. Buildout of the proposed General Plan 2035 would result in increased development throughout the City, and as a result, an increased demand for police protection services.

As of 2009, current staffing levels do not meet the Department's target. Additionally, current response times for Priority 1 and Priority 3 calls are longer than target times. Response times for Priority 2 calls are shorter than target times. As noted in the Environmental Setting Section, additional funding is needed for construction of the 20,639-square foot facility that was approved

by the City Council in 2007. It is anticipated that this facility would provide needed office space for additional officers and staff, as well as a training room.

The City charges Development Impact (DIF) fees for new development within the City, including for law enforcement, as shown *Table 5.18-3*, *Law Enforcement Mitigation Fees*.

Table 5.18-3
Law Enforcement Mitigation Fees

Land Use	Mitigation Fee (per unit or SF)
Rural Estate Dwelling Unit	$231.25
Single Family Dwelling Unit	$231.57
Multi-Family Dwelling Unit	$240.06
Office	$0.11
Commercial	$0.23
Industrial	$0.02
Source: City of Murrieta Fiscal Year Mitigation Fee Schedule, 2009-2010	

As individual projects are proposed within the City, the Murrieta Police Department service levels and staffing requirements would be evaluated to determine if additional staffing and/or facilities would be required. As the proposed General Plan buildout would occur over a 25-year period, the Murrieta Police Department would effectively plan for increases in population and police protection service demand. The following goals and policies in the proposed General Plan 2035 (Safety Element Goals SAF-9, SAF-10, SAF-11 and their associated policies), and continued collection of DIF Fees would reduce impacts resulting from the proposed General Plan 2035 to a less than significant level. No service shortfall requiring additional personnel or equipment is anticipated as a result of the implementation of the proposed General Plan 2035.

Goals and Policies in the Proposed General Plan 2035:

SAFETY ELEMENT

Goal SAF-9 High-quality and timely police services are provided to all residents and businesses in Murrieta.

Policies

SAF-9.1 Seek to reach and maintain police officer and civilian support employee staffing levels to effectively and efficiently address the public safety needs, measured through established response times (as shown in General Plan Table 12-3, Target Response Times), crime statistics, crime clearance rates, and community quality of life issues.

SAF-9.2 Endeavor to respond within six minutes for all Priority 1 calls, 15 minutes for Priority 2 calls, and 35 minutes for Priority 3 calls.

SAF-9.3 Consider options for locating field stations throughout the City to improve response times for Priority 1 calls and foster relationships with local residents.

SAF-9.4 Maintain and implement a Police Department Strategic Plan to address staffing and facility needs, service goals, deployment strategies, and other department goals.

SAF-9.5 Explore options for funding needed facilities, staff, and equipment.

SAF-9.6 Ensure that new development can be served by police communication systems and provide for the construction of radio towers (repeater sites) in outlying areas.

SAF-9.7 Evaluate the feasibility of adding cellular services for police communication to accommodate Mobile Data Browsers (MBD) technology.

SAF-9.8 Maintain a S.W.A.T. team that can respond to barricades and other tactical response needs.

Goal SAF-10 The Police Department coordinates with neighborhoods and community members to enhance safety and continually improve services.

Policies

SAF-10.1 Collaborate with school districts, businesses, nonprofit organizations, and community members, including neighborhood watch groups, to maintain safety throughout the City.

SAF-10.2 Provide educational programs that deter unsafe and criminal behavior among youth, including the Youth Accountability Team, Youth Court, and School Resource Officers.

SAF-10.3 Maintain positive relationships with the community through communication and responsiveness to concerns.

SAF-10.4 Promote participation in the Crime Free Multi-Housing Program among existing multi-family communities.

Goal SAF-11 Design of the physical environment promotes community safety and reduces opportunities for criminal activity.

Policies

SAF-11.1 Involve the Police Department in the development review process to address safety concerns, access issues, and potential traffic conflicts, and identify opportunities to apply CPTED principles.

SAF-11.2 Continue to require new apartment communities to participate in the Crime Free Multi-Housing Program.

SAF-11.3 Coordinate efforts between the Police Department and Planning Department to develop guidelines for implementation of CPTED principles.

SAF-11.4 Continue to ensure that each development or neighborhood in the City has adequate emergency ingress and egress.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.18.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS TO POLICE PROTECTION PERSONNEL, SERVICES, AND FACILITIES.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Cumulative impacts are analyzed in terms of impacts within the City of Murrieta, as police protection service within the City is provided by the Murrieta Police Department. Implementation of the proposed General Plan 2035 along with cumulative development projects within the region would not have a significant impact on police protection services. As the proposed General Plan 2035 buildout would occur over a 25-year period,

Murrieta would effectively plan for increases in population and police protection service demand. It is anticipated that DIF fees would be collected to provide more staffing, equipment, and facilities as need on a project-by-project basis during buildout. Specifically, Safety Element policy SAF-9.4 calls for the maintenance and implementation of a Police Department Strategic Plan to address staffing and facility needs, service goals, deployment strategies, and other department goals. All other goals and policies listed above, as well as payment of DIF fees, would reduce impacts resulting from the proposed General Plan 2035 to a less than significant level. No service shortfall requiring additional personnel or equipment is anticipated as a result of the implementation of the proposed General Plan 2035. Therefore, cumulative impacts would be less than significant in this regard.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.18.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.18.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Police protection impacts will be less than significant through adherence to and compliance with the goals and policies of the proposed General Plan 2035. No significant unavoidable police service impacts would occur as a result of buildout of the proposed General Plan 2035.

5.18.7 SOURCES CITED

Murrieta Police Department, written correspondence with Lt. Dennis Vrooman, November 2009 and December 2010.

City of Murrieta Annual Fee Schedule, 2009-2010, accessed December 15, 2010

Murrieta General Plan 2035, Safety Element, December 15, 2010.

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City of Murrieta Police Department, "School Resource Officer Program," http://murrieta.org/datapages/dataprograms.asp?id=3, accessed December 21, 2009.

City of Murrieta Police Department, "Police Activities League," http://murrieta.org/datapages/dataprograms.asp?id=65, accessed December 21, 2009.

City of Murrieta Police Department, "Youth Accountability Team," http://murrieta.org/datapages/dataprograms.asp?id=64, accessed December 21, 2009.

City of Murrieta Police Department, "Youth Accountability Board," http://murrieta.org/datapages/dataprograms.asp?id=63, accessed December 21, 2009.

City of Murrieta Police Department, "Youth Court," http://www.murrieta.org/datapages/dataprograms.asp?id=62, accessed December 21, 2009.

City of Murrieta Police Department, "A Message from Police Chief Mark Wright," http://www.murrieta.org/datapages/datafull.asp?id=1, accessed December 22, 2009.

City of Murrieta Police Department, "Home to School Safety Patrols," http://murrieta.org/datapages/dataprograms.asp?id=31, accessed December 21, 2009.

City of Murrieta Police Department, "Special Enforcement Program," http://murrieta.org/datapages/dataprograms.asp?id=11, accessed December 21, 2009.

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City of Murrieta Police Department, "Volunteer Programs," http://murrieta.org/datapages/dataprograms.asp?id=14, accessed December 21, 2009.

City of Murrieta Police Department, "Police Department," http://www.murrieta.org/services/police/index.asp, accessed December 21, 2009.

City of Murrieta news release, "Murrieta 2nd Safest City in the Nation," July 8, 2009.

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Murrieta
General Plan Update

Section 5.19:
School Facilities

5.19 SCHOOL FACILITIES

This section identifies school facilities within the City of Murrieta and evaluates the potential impacts to school services and facilities that could result from implementation of the proposed General Plan 2035.

5.19.1 REGULATORY SETTING

AB 2926

The State of California has traditionally been responsible for the funding of local public schools. To assist in providing facilities to serve students generated by new development projects, the State passed Assembly Bill 2926 (AB 2926) in 1986. This bill allowed school districts to collect impact fees from developers of new residential and commercial/industrial building space. Development impact fees were also referenced in the 1987 Leroy Greene Lease-Purchase Act, which required school districts to contribute a matching share of project costs for construction, modernization, or reconstruction.

SENATE BILL (SB) 50

Title 5 Education Code of the *California Code of Regulation*s governs all aspects of education within the State.

Senate Bill 50 (SB 50) and Proposition 1A, both of which passed in 1998, provided a comprehensive school facilities financing and reform program, in part by authorizing a $9.2 billion school facilities bond issue, school construction cost containment provisions and an eight-year suspension of the Mira, Hart and Murrieta court cases. Specifically, the bond funds are to provide $2.9 billion for new construction and $2.1 billion for reconstruction/modernization needs. The provisions of SB 50 prohibit local agencies from denying either legislative or adjudicative land use approvals on the basis that school facilities are inadequate, and reinstates the school facility fee cap for legislative actions (e.g., General Plan amendments, specific plan adoption, zoning plan amendments) as was allowed under the Mira, Hart and Murrieta court cases. According to *Government Code* Section 65996, the development fees authorized by SB 50 are deemed to be "full and complete school facilities mitigation." These provisions are in effect until 2012 and will remain in place as long as subsequent State bonds are approved and available.

SB 50 establishes three levels of Developer Fees that may be imposed upon new development by the governing board of a school district depending upon certain conditions within a district. Level One Fees are the statutory fees, which can be adjusted for inflation every two years. Level Two Fees allow school districts to impose fees beyond the base statutory cap, under specific circumstances. Level Three Fees come into effect if the State runs out of bond funds after 2006, which would allow school districts to impose 100 percent of the cost of the school facility or mitigation minus any local dedicated school monies.

In order to accommodate students from new development projects, school districts may alternatively finance new schools through special school construction funding resolutions and/or agreements between developers, the affected school districts, and occasionally, other local governmental agencies. These special resolutions and agreements often allow school districts to realize school mitigation funds in excess of the developer fees allowed under SB 50.

5.19.2 ENVIRONMENTAL SETTING

The City of Murrieta is served by four public school districts. The primary school district is the Murrieta Valley Unified School District, with the exception of residents in the areas east of I-215 and north of Clinton Keith Road.[1] The Menifee Union School District, Perris Union High School District, and Hemet Unified School District also provide school services and facilities to students in these areas. The boundaries for each District are shown in *Exhibit 5.19-1*, *School District Boundaries*.

MURRIETA VALLEY UNIFIED SCHOOL DISTRICT

Enrollment

The Murrieta Valley Unified School District (MVUSD) has a total enrollment of over 21,000 students in 11 elementary schools, four middle schools, three comprehensive high schools, a continuation high school, an independent study school, and an adult school.[2] Tenaja Canyon Academy School, the independent study school, provides an alternative for students in 1st through 12th grades who are working at grade level.[3] MVUSD offers two School Readiness preschool programs, one funded by the State for income-qualified parents and one parent-pay program.[4]

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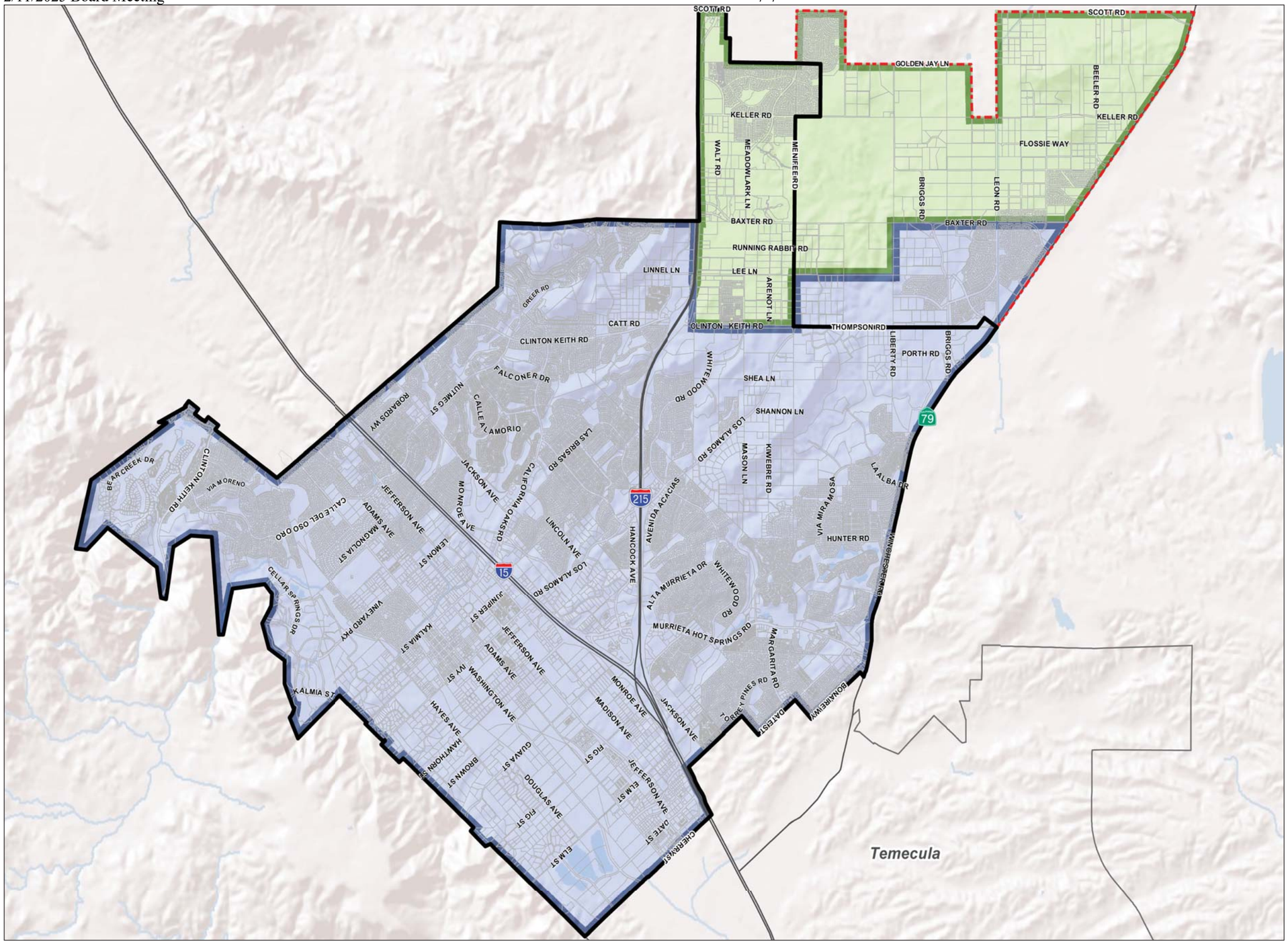
[1] Murrieta Valley Unified School District, "2009/10 Boundary Maps," downloaded from http://www.murrieta.k12.ca.us/14881071114730487/blank/browse.asp?a=383&BMDRN=2000&BCOB=0&c=54125&14881071114730487Nav=|&NodeID=80 on December 14, 2009.

[2] Murrieta Valley Adult School, http://www.murrieta.k12.ca.us/adulted/site/default.asp, accessed November 12, 2009.

[3] Tenaja Canyon Academy School, http://www.murrieta.k12.ca.us/tenaja/site/default.asp, accessed November 12, 2009.

[4] Murrieta Valley Unified School District, "MVUSD School Readiness Programs," http://www.murrieta.k12.ca.us/14881071135041993/blank/browse.asp?a=383&BMDRN=2000&BCOB=0&c=54160&14881071135041993Nav=|2646|&NodeID=2646, accessed November 14, 2009.



LEGEND

- Menifee Union
- Murrieta Valley Unified
- Parcels
- Sphere of Influence
- City Boundary

0 0.5 1
Miles

Source: City of Murrieta, Murrieta Valley Unified School District, and ESRI - World Shaded Relief.

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School District Boundaries

Exhibit 5.19-1

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Table 5.19-1, *Murrieta Valley Unified School District Facilities* provides enrollment and capacity information for the schools in the Murrieta Valley Unified School District. Two schools had enrollment beyond their capacity in November 2009: Thompson Middle School and the Creekside High School continuation school.

Table 5.19-1
Murrieta Valley Unified School District Facilities

School/Address	Total Enrollment (Nov. 2009)	Current Capacity	Enrollment as Percent of Capacity
Elementary School			
Alta Murrieta Elementary School (K-5), 39475 Whitewood Road	682	1,200	57
Antelope Hills Elementary (K-5), 36105 Murrieta Oaks Ave	849	1,000	85
Avaxat Elementary School (K-5), 24300 Las Brisas Road	674	1,125	60
Daniel L. Buchanan Elementary School (K-5), 40121 Torrey Pines Road	1,068	1,450	74
Cole Canyon Elementary School (K-5), 23750 Via Alisol	1,134	1,200	95
E. Hale Curran Elementary School (K-5), 40855 Chaco Canyon Road	613	1,125	54
Lisa J. Mails Elementary (K-5), 35185 Briggs Road	862	975	88
Monte Vista Elementary School (K-5), 37420 Via Mira Mosa	868	1,325	66
Murrieta Elementary School (K-5), 24725 Adams Ave.	960	1,025	94
Rail Ranch Elementary School (K-5), 25030 Via Santee	691	925	75
Tovashal Elementary School (K-5), 23801 Saint Raphael	782	900	87
Middle Schools			
Dorothy McElhinney Middle School (6-8), 35125 Briggs Road	737	1,701	43
Shivela Middle School (6-8), 24515 Lincoln Avenue	1,568	1,674	94
Thompson Middle School (6-8), 24040 Hayes Avenue	1,738	1,620	107
Warm Springs Middle School (6-8), 39245 Calle de Fortuna	1,127	1,809	62
High Schools or Independent Study			
Murrieta Mesa High School (Comprehensive), 24801 Monroe	1,120	2,214	51
Murrieta Valley High School (Comprehensive), 42200 Nighthawk Way	2,614	3,429	76
Vista Murrieta High School (Comprehensive), 28251 Clinton Keith Road	3,318	3,564	93
Creekside High School (Continuation), 24150 Hayes Avenue	200	195	103
Tenaja Canyon Academy (Independent Study), 24150 Hayes Avenue	94	N/A	N/A

Source: William Olien, Assistant Superintendent, Murrieta Valley Unified School District, School Facilities Questionnaire, November 17, 2009.

Funding

Voters authorized $120 million in local general obligation bonds for the Murrieta Valley Unified School District by approving Measure E in 2006. These funds have paid for the construction of Lisa J. Mails Elementary, Dorothy McElhinney Middle School, and Murrieta Mesa High School. They have also funded major improvements, renovation, and infrastructure projects for other school facilities.[5] Additionally, voters within the Hemet Unified School District passed Measure T in 2006 authorizing $149 million in bonds which paid for the construction of schools serving the Murrieta Sphere of Influence.[6]

As required by law, the Murrieta Valley Unified School District annually adopts a School Facilities Needs Analysis (SFNA) in order to impose Alternative School Fees. However, the SFNA adopted by the District on September 2, 2008, expired on September 1, 2009 and the District will not be adopting a new SFNA at this time, due in part to declining land use values. As of January 2011, a new SFNA had not yet been posted to the MVUSD's website. Currently, development impact fees for the MVUSD are $2.97 per square foot of residential development and $0.47 per square foot of non-residential development.[7]

MENIFEE UNION SCHOOL DISTRICT

Enrollment

Menifee Union School District (MUSD) elementary and middle schools serve children in the area generally north of Baxter Road, encompassing most of the Sphere of Influence; the District boundary extends as far south as Clinton Keith Road from I-215 to the City limits. *Table 5.19-2, Menifee Union School District Facilities Serving Murrieta and Sphere of Influence* provides enrollment and capacity information for these schools.

[5] Murrieta Valley Unified School District, "Measure E," http://www.murrieta.k12.ca.us/14881071114730487/blank/browse.asp?a=383&BMDRN=2000&BCOB=0&c=54019&14881071114730487Nav=|65|&NodeID=65, accessed December 14, 2009.

[6] Hemet Unified School District, "Citizens' Oversight Committee Annual Report on Measure 'E' & Measure 'T' General Obligation Bonds," November 2008.

[7] Murrieta Valley Unified School District Developer Fees Page, located online at http://www.murrieta.k12. ca.us/14881071114730487/blank/browse.asp?a=383&BMDRN=2000&BCOB=0&c=54018&14881071114730487Nav=|&NodeID=69, accessed December 21, 2010.

Table 5.19-2
Menifee Union School District Facilities
Serving Murrieta and Sphere of Influence

School/Address	Total Enrollment (Nov. 2009)	Current Capacity	Enrollment as Percent of Capacity
Oak Meadows Elementary School, 28600 Poinsettia Street	883	1,034	85
Bell Mountain Middle School, 28525 La Piedra Road, Menifee	1,112	1,546	72

Sources: Betti Cadmus, Public Information Officer, Menifee Union School District, School Facilities Questionnaire, November 13, 2009.
Menifee Union School District, "Schools," http://www.menifeeusd.org/district/page&mode=view&ID=20747, accessed December 15, 2009.

Funding

MUSD acquires funding for facilities through several different means; the most prevalent are Community Facilities Districts (CFD), mitigation payments, developer fees, and local bond issues.[8] It should be noted that Measure B passed in 2008 and authorized $31.46 million in bonds.[9] Additionally, the Menifee Union School District also charges Level II Development Impact Fees for residential development of $2.35 per square foot for residential development and $0.3384 per square foot for commercial development.

PERRIS UNION HIGH SCHOOL DISTRICT (PUHSD)

Enrollment

The area served by Menifee Union School District elementary and middle schools is within the boundaries of Paloma Valley High School in the Perris Union High School District.[10] *Table 5.19-3*, *Perris Union High School District Facilities Serving Murrieta and Sphere of Influence* provides enrollment and capacity information for this school.

[8] Written Correspondence with Bruce Shaw, Director of Facilities, December 21, 2010.

[9] Betti Cadmus, Public Information Officer, Menifee Union School District, electronic mail, January 4, 2010.

[10] City of Murrieta, *General Plan Technical Reports*, "Figure I-27: School Districts Boundaries and Facilities," undated.

Table 5.19-3
Perris Union High School District Facilities
Serving Murrieta and Sphere of Influence

School/Address	Total Enrollment (Nov. 2009)	Current Capacity	Enrollment as Percent of Capacity
Paloma Valley High School, 31375 Bradley Road, Menifee	2,681	2,500	107%

Sources: Crystal Guimond, Business Services Administrative Assistant, Perris Union High School District, telephone conversation, November 12, 2009.
Perris Union High School District, "Home," http://www.puhsd.org/puhsd/site/default.asp, accessed December 15, 2009.

Funding

Measure Z passed in 2004 in the Perris Union High School District.[11] This was a local bond ballot measure in 2004 with a $46,000,000 General Obligation (GO) bond authorization. All series of bonds have been sold and $2.5 million of the proceeds were used to acquire the aforementioned new high school site. Funding for past capital facility projects has come from a variety of sources: school impact fees, developer/mitigation agreements, State funding through the School Facilities Program and a variety of other State and Federal funding programs. Development impact fees charged by the District are $0.94 per square foot of residential development and $0.132 per square foot of non-residential development.[12]

HEMET UNIFIED SCHOOL DISTRICT

Enrollment

The small triangle in the Sphere of Influence area that is bounded by Pourroy Road/Beeler Road, Keller Road, and State Highway 79 falls into Hemet Unified School District. The Hemet Unified School District serves the area with an elementary school and recently opened middle and high schools.[13] *Table 5.19-4*, *Hemet Unified School District Facilities Serving the Sphere of Influence*, provides enrollment and capacity information for these schools.

[11] Perris Union High School District, "Citizen's Oversight Committee Recruitment," http://www.puhsd.org/19801055184242900/blank/browse.asp?A=383&BMDRN=2000&BCOB=0&C=55335, accessed December 22, 2009.

[12] Written Correspondence with Fred Good on behalf of Perris Union High School District, December 2010.

[13] Tina Koonce, Facilities Director, Hemet Unified School District, telephone conversation, December 15, 2009.

Table 5.19-4
Hemet Unified School District Facilities
Serving Murrieta and Sphere of Influence

School/Address	Total Enrollment (Oct. 2009)	Current Capacity	Enrollment as Percent of Capacity
Winchester Elementary School, 28751 Winchester Road, Winchester	571	650	88%
Rancho Viejo Middle School, 985 North Cawston Avenue, Hemet	1,316	1,400	94%
Tahquitz High School, 4425 West Commonwealth, Hemet	1,452	2,400	61%

Sources: Tina Koonce, Facilities Director, Hemet Unified School District, telephone conversation, December 15, 2009.
Hemet Unified School District, "School Site Information," http://www.hemetusd.k12.ca.us/sites/info.html, accessed December 15, 2009.

Funding

In 2006, a local bond measure was placed on the ballot which received at least 50 percent plus 1 of the votes, and authorized the issuance of $149,000,000.[14] Hemet Unified School District funding sources also include state funding and developer agreements. Additionally, Level 2 development impact fees are $3.55 per square foot for residential development and $0.47 per square foot for non-residential development.[15]

PRIVATE SCHOOLS

Calvary Murrieta Christian Schools operates an elementary campus and secondary campus (at 24227 and 24225 Monroe Avenue, respectively) to provide a private Christian education for students in preschool through 12th grade. In 2008, there were over 1,000 students enrolled in the day school, with another 419 in the home school program.[16]

The Oak Grove Center for Education Treatment and the Arts is a nonprofit residential and educational treatment center for at-risk children. Located at 24275 Jefferson Avenue, Oak Grove is classified as a level 12 group home and also runs a nonpublic school day program.[17] The location of school facilities is depicted in *Exhibit 5.19-2*, *Location of School Facilities (Public and Private)*.

[14] School Facilities Needs Analysis, Hemet Unified School District, April 29, 2010, found online at http://www.hemetusd.k12.ca.us/business/facilities/reports/2010sfna.pdf, accessed December 21, 2010.

[15] Fees found online at http://www.hemetusd.k12.ca.us/business/facilities/fees.html#feenote, accessed December 21, 2010.

[16] Calvary Murrieta Christian Schools, "Contact Us," http://www.cccsmurrieta.com/secondary/contactus.asp, accessed 12/14/09.

[17] Oak Grove, "Home," www.oakgrovecenter.org, accessed 11/30/09.

HIGHER EDUCATIONAL FACILITIES

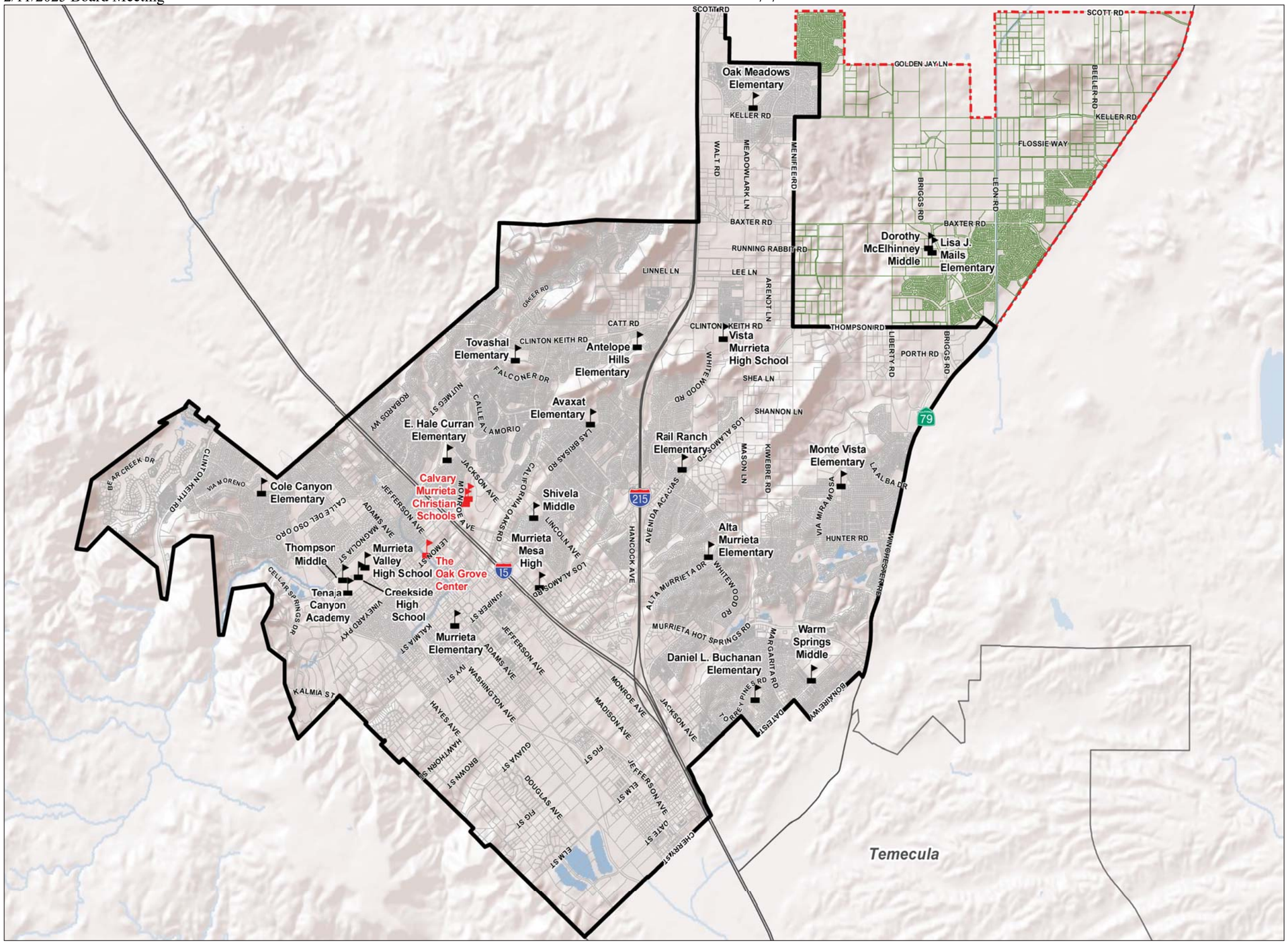
Several institutions of higher education have extension campuses near Murrieta. Azusa Pacific University, a Christian Azusa-based university, operates an extension facility in Murrieta that offers programs for undergraduate degrees as well as master's degrees and credentials. Classes are held in the Murrieta Regional Center's 15 classrooms and online. This campus and extension facilities near Murrieta are listed in *Table 5.19-5*, *Higher Education Extension Facilities Serving Murrieta*.

Table 5.19-5
Higher Education Extension Facilities Serving Murrieta

University	Location
Azusa Pacific University	Murrieta Regional Center 39573 Los Alamos Road Murrieta, CA 92563-5032
Brandman University	Temecula Campus 27447 Enterprise Circle West Temecula, CA 92590
Cal State San Marcos at Temecula	At the Paul Goldring Garrett Institute for Higher Learning 27455 Tierra Alta Way Temecula, CA 92590
Concordia University	Temecula Regional Center 28780 Single Oak Dr #210 Temecula, CA 92590
Mt. San Jacinto College	28237 La Piedra Road Menifee, CA 92584
Mt. San Jacinto College	27447 and 27463 Enterprise Circle West Temecula, CA 92590
University of Redlands	Temecula Campus 27270 Madison Avenue, Suite 200 Temecula, CA 92590

The location of higher education facilities are depicted in *Exhibit 5.19-3*, *Location of Higher Educational Facilities*.

The region is also served by larger institutions that are farther away from Murrieta: University of California at Riverside, the Riverside Community College Moreno Valley Campus, and California State University San Marcos.



Murrieta General Plan Update

LEGEND

- Public Schools
- Private Schools
- Parcels
- Sphere of Influence
- City Boundary

Source: City of Murrieta, Murrieta Valley Unified School District, and ESRI - World Shaded Relief.

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Location of School Facilities (Public and Private)

Exhibit 5.19-2

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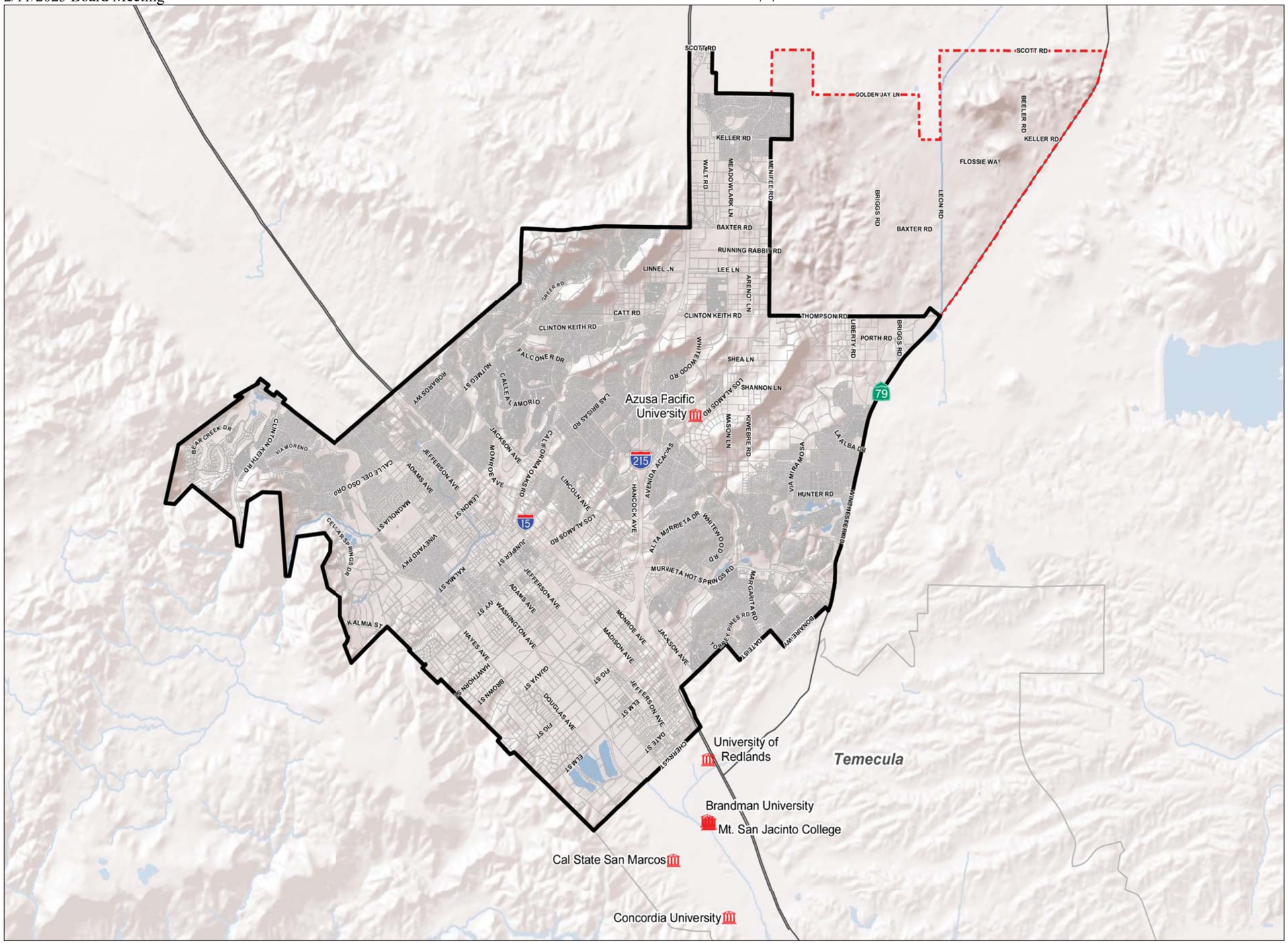

LEGEND

- Higher Education
- Parcels
- Sphere of Influence
- City Boundary

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Miles

Source: City of Murrieta, Murrieta Valley Unified School District, and ESRI - World Shaded Relief.

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Location of Higher Educational Facilities

Exhibit 5.19-3

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FUTURE SCHOOL DISTRICT FACILITIES

Within the Murrieta Valley Unified School District, a new elementary school has been planned for the Vineyard Specific Plan Area; this school, named Sykes Elementary, is on hold. The school is not needed until development of the project.[18] MVUSD is also planning a 6 million dollar summer 2011 renovation at Murrieta Valley High School.

Menifee Union School District is currently in negotiations for an additional elementary school site within the Murrieta City Limits. MUSD requires land in its southeast quadrant of the district, which covers portions of Murrieta. It is anticipated that this new elementary school would relieve overcrowding at Oak Meadows Elementary, which is also located within Murrieta City limits.[19]

Perris Union High School is planning a new comprehensive high school at the northwest corner of Wickerd and Leon Roads in the unincorporated area of Riverside County. This new school will likely include approximately 260,000 square feet of building area and will accommodate approximately 2,800 students in grades 9 thru 12.[20]

Another elementary school has been planned to serve the Sphere area within the Hemet Unified School District, as reflected in a tract map for a development that is currently on hold.[21]

MURRIETA EDUCATION CENTER

In December 2008, the Murrieta City Council approved an 11.5-acre project called the Murrieta Education Center that is envisioned to accommodate satellite facilities for several colleges as well as a workforce development center. Located by I-15 just south of the I-215 junction, the complex would house these facilities in two five-story towers, with complementary retail planned for another building.[22]

5.19.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, school facility and educational service impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

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[18] Chuck Jones, MVUSD, written correspondence December 2010.

[19] Bruce Shaw, MUSD, written correspondence December 2010.

[20] Written Correspondence with Fred Good on behalf of Perris Union High School District, December 2010.

[21] Tina Koonce, Facilities Director, Hemet Unified School District, telephone conversation, December 2009.

[22] "Ceremonial groundbreaking held for $50 million college center in Murrieta," *The Press-Enterprise*, October 15, 2009.

- A significant impact would occur if the project would result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or result in the need for new or physically altered governmental facilities, the construction of which may cause significant environmental impacts in order to maintain acceptable service ratios, or other performance objectives for schools in the City of Murrieta.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.19.4 PROJECT IMPACTS AND MITIGATION MEASURES

BUILDOUT OF THE CITY IN ACCORDANCE WITH THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN ADVERSE PHYSICAL IMPACTS TO FACILITIES WITHIN THE MURRIETA VALLEY UNIFIED SCHOOL DISTRICT, MENIFEE UNIFIED SCHOOL DISTRICT, PERRIS UNIFIED SCHOOL DISTRICT, AND HEMET UNIFIED SCHOOL.

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: The MVUSD, MUSD, PUSD, and HUSD are responsible for the provision of public school facilities (kindergarten though high school) in the City of Murrieta. Currently, three of the 25 schools serving Murrieta are above the existing capacity levels, and another five are above 90 percent capacity. Implementation of the proposed General Plan 2035 would result in the addition of 10,734 dwelling units citywide. A range of student generation factors are identified in *Table 5.19-6*, *Estimated Student Generation*, as they were specified by each school district. Based on the student generation rates identified in *Table 5.19-6*, buildout of the proposed General Plan 2035 would result in the addition of students ranging from 5,062 in a best-case scenario to 19,398 students in a worst-case scenario, dispersed throughout all grade levels and school facilities.

Table 5.19-6
Estimated Student Generation

School	Student Generation Factor[1]	Additional Number of Units	Total Students Generated From Proposed General Plan 2035
K-5	0.16 – 0.9 students/du	10,734	1,717 – 9,661
6-8	0.1517 – 0.3 students/du	10,734	1,628 - 3,220
9-12	0.16 – 0.6071 students/du	10,734	1,717 – 6,517
TOTAL			5,062 – 19,398

[1] Generation rates include low-end and high-end student ranges provided by MVUSD, MUSD, PUSD, HUSD, December 2010.

Anticipated students would be distributed to all schools and districts that provide school services and facilities throughout Murrieta. However, it should be noted that MVUSD provides educational facilities and services to approximately three-quarters (73 percent) of students served by the four school districts. Chuck Jones, Director of Facilities Planning at MVUSD, indicated that MVUSD would be able to accommodate future projected student growth.

Bruce Shaw, Director of Facilities at MUSD indicated that MUSD requires land in the southeast quadrant of the district in order to build a new elementary school. Land negotiations are still in process. This would relieve overcrowding at Oak Meadows Elementary, which is located within the Murrieta City limits. As of 2009, MUSD currently served only 6.7 percent of all students attending facilities in the four public school districts; it is anticipated that acquisition of land for a future school site would result in lessening the number of students at Oak Meadows Elementary, and would provide another facility for students who reside in the southeast quadrant of the district.

As previously noted, PUSD is planning a new high school that will accommodate approximately 2,800 students in grades 9 thru 12. Since the only PUSD facility serving Murrieta is Paloma Valley High School, and another high school would be constructed, it is anticipated that construction of this new facility would result in students located in the PUSD attending the new school, rather than continuing to impact Paloma Valley High School.

According to the *2007 HUSD Master Facilities Plan*, up to six elementary schools, three middle schools, and two high schools are scheduled to open in the years 2010, 2012, 2013, and beyond.[23] It is anticipated that these facilities would accommodate future growth associated with the proposed General Plan 2035. It should also be noted that the HUSD only provides facilities to approximately 11 percent of all students attending facilities in the four school districts.

[23] HUSD 2007-2012 Facilities Master Plan.

Additionally, pursuant to SB 50, each of the four school districts collects development impact fees, as shown in *Table 5.19-7*, *School Development Impact Fees*, below. It is anticipated that all development associated with the proposed General Plan 2035 would be subject to these fees on case-by case basis.

Table 5.19-7
School Development Impact Fees

School District	Development Fees	
	Residential	Non-Residential
Murrieta Valley Unified School District [1]	$2.97/sf	$0.47/sf
Menifee Union School District [2]	$2.35/sf	$0.3384/sf
Perris Union High School District [3]	$0.94/sf	$0.132/sf
Hemet Unified School District [4]	$3.55/sf	$0.47/sf

[1] William Olien, Assistant Superintendent, Murrieta Valley Unified School District, School Facilities Questionnaire, November 17, 2009.
[2] Bruce Shaw, Director of Facilities, Menifee Union School District, December 2010
[3] Xochitl Molina, Accounting Technician, Business Services, Perris Union High School District, January 7, 2010.
[4] Hemet Unified School District, *School Facilities Needs Analysis*, December 2010.

Based on future plans for school facilities in the MVUSD, MUSD, PUSD, HUSD, prior approved bonds, and collection of development impact fees on a case-by-case basis (Mitigation Measure SCH-1), school facility impacts would be reduced to a less than significant level.

Goals and Policies in the Proposed General Plan 2035: No goals or policies in the proposed General Plan 2035 pertain specifically to school facilities.

Mitigation Measures:

SCH-1 Prior to the issuance of certificate of occupancy, individual project applicants shall submit evidence to the City of Murrieta that legally required school impact mitigation fees have been paid per the mitigation established by the applicable school district.

Level of Significance After Mitigation: Less Than Significant Impact.

5.19.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND OTHER CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS TO SCHOOL FACILITIES.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Development associated with implementation of the proposed General Plan 2035 and related cumulative projects would result in the development of new residential or commercial/industrial uses, potentially generating new students to the City. Individual development projects would be required to pay the appropriate school district (MVUSD, MUSD, PUSD, and HUSD) Developer Fees based on the type and size of development proposed. Pursuant to SB 50, payment of fees to the appropriate school district is considered full mitigation for project impacts, including impacts related to the provision of new or physically altered governmental facilities, the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, or other performance objectives for schools. Therefore, individual project applicants would be required to pay the statutory fees, so that space can be constructed, if necessary, at the nearest sites to accommodate the impact of project-generated students. Therefore, development of the proposed project and related cumulative projects would not result in significant cumulative impacts in regards to school services and facilities.

Goals and Policies in the Proposed General Plan 2035: No goals or policies in the proposed General Plan 2035 pertain specifically to school facilities.

Mitigation Measures: Refer to Mitigation Measure SCH-1. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

5.19.6 SIGNIFICANT UNAVOIDABLE IMPACTS

With payment of school development fees (pursuant to SB 50) and compliance with recommended Mitigation Measure SCH-1, implementation of the proposed General Plan 2035 would result in less than significant impacts in regards to school services and facilities. No significant and unavoidable impacts related to school services and facilities would occur as a result of buildout of the proposed General Plan 2035.

5.19.7 SOURCES CITED

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Murrieta
General Plan Update

Section 5.20:

Parks and Recreational Facilities

5.20 PARKS AND RECREATIONAL FACILITIES

This section identifies existing parks and recreational facilities within the City of Murrieta and provides an analysis of potential impacts to parks and recreation facilities that could result from the implementation of the proposed General Plan 2035. The analysis is based on information obtained from the Murrieta Parks and Recreation Department, the Parks Master Plan (2009), and Recreation and Open Space Element of the proposed General Plan 2035.

5.20.1 REGULATORY SETTING

QUIMBY ACT

Originally passed in 1975, the Quimby Act (*California Government Code* Section 66477) allows cities and counties to pass ordinances requiring that developers set aside land, donate conservation easements, or pay fees for park improvements. This act allows local agencies to establish ordinances requiring developers of residential subdivisions to provide impact fees for land and/or recreational facilities. Revenues generated through the Quimby Act cannot be used for the operation and maintenance of park facilities. In 1982, the act was substantially amended, further defining acceptable uses of or restrictions on Quimby funds, provided acreage/population standards and formulas for determining the exaction, and indicated that the exactions must be closely tied to a project's impacts. Local ordinances must now include definite standards for determining the proportion of the subdivision to be dedicated and the amount of the fee to be paid.

COMMUNITY SERVICES DISTRICT

A Community Services District (CSD) provides services for parks and recreation within the City limits.

CITY OF MURRIETA PARKS MASTER PLAN

The City of Murrieta recently adopted an updated Murrieta Parks and Recreation Master Plan in June 2009. The purpose of the Master Plan is to provide a realistic guide for the creative, orderly development and management of recreation facilities and programs for the City, now and into the future. The Parks and Recreation Master Plan (Master Plan) is based on the guiding principle that recreation facilities, programs, trails, and open space are important resources within the City of Murrieta.

CITY OF MURRIETA MUNICIPAL CODE

Chapter 16.106.030 of the *Murrieta Municipal Code* specifies Parks and Recreation Facility dedications or fees that must be paid to the City when development occurs. Chapter 16.106.030 is written in compliance with the Quimby Act. Additionally, Chapter 16.36.020 of the *Municipal Code* states that a developer shall pay a public facilities development impact fee for each building which is part of a residential development, in an amount established by resolution of the city council, upon issuance of a building permit for that building. However, if a residential development contains more than one dwelling, the Development Services Director may determine whether the fees or charges shall be paid on a pro rata basis for each dwelling when it receives its building permit, on a pro rata basis when a certain percentage of the dwellings have received their building permits, or on a lump-sum basis when the first dwelling in the development receives its building permit.

5.20.2 ENVIRONMENTAL SETTING

In June 2009, the Community Services Department was responsible for approximately 1,350 acres of open space, streetscape, slope, trails, and parkland. This included 48 parks and recreation facilities on 467.24 acres.

PARKLAND[1]

The 2009 Master Plan counts 467.24 acres of parkland in 48 City parks. This total does not include joint use school facilities, private recreation facilities, or some natural areas in Nature Parks.

The City has adopted a standard of 5 acres of parkland per 1,000 residents. As of June 2009, the City had a deficit of 34 acres according to this standard. Additional acreage is required in order to meet identified needs for recreation facilities such as sports fields and courts; the Master Plan estimates a need for 240.3 acres at buildout, assuming a population of 120,000, to accommodate these facilities. For this reason, the Master Plan suggested establishing an acreage goal higher than 5 acres per 1,000 residents.

REGIONAL PARKS

There are no County of Riverside or other regional parks within the City boundaries. Regional recreation areas near Murrieta are described below in Recreational Facilities.

MURRIETA'S CITY PARKS

The Master Plan lists six categories of City Parks: City-Wide Parks; Community Parks; Neighborhood Parks; Neighborhood Play Areas; Special Use Parks; and Nature Parks; described below. Murrieta's parks are listed in *Table 5.20-1*, *Recreational Facilities Inventory*, and shown in *Exhibit 5.20-1*, *Recreational Facilities*.

[1] Ibid

Table 5.20-1
Recreational Facilities Inventory

Recreational Facilities		Parkland Acreage	Passive Amenities															Active Amenities												
			Amphitheater	Barbeques	Bike Path/Walking Trail	Catch and Release Pond	Community Center/Recreation Room	Dog Park	Open Grass Areas	Parking Lot	Par Exercise Course	Picnic Tables	Restroom/Port-O-Lets	Shelters	Tot Lot/Playground Equipment	Multi-Purpose Trail/Trail Connection	Water Fountains	Baseball Field (with Mound)	Basketball Court	Concession Building	Football Field	Gymnasium	Horseshoe Pits	Skateboard Park	Soccer Field	Softball Field (without Mound)	Spray Turtles	Swimming/Wading Pool	Tennis Court	Volleyball Court
City-Wide Parks																														
1	Los Alamos Hills Sports Park	45.00		•	•				•	•		12	•	3	3	•	•	4L		•	3L				6L					
Community Parks																														
2	Alta Murrieta Sports Park	9.76		•					•	•		3	•		1		•	1L		•	1									
3	California Oaks Sports Park	19.99		•					•	•		6	•	1	1		•		2L					1	1P	2L/ 3		1	2	1
4	Copper Canyon Park	20.94		•	•		•		•	•		5	•	3	2	•	•	2	4H	•					2P					
5	Glen Arbor Park	18.92							•			2																		
6	Hunt Park	4.72					•		•	•		4	•				•	1L	1L			0.5				2			1L	
7	Mira Mosa Park	8.10		•	•				•	•		4	•	1	1		•	1	2H											
8	Pond Park	14.59			•	•			•			8	•																	
Neighborhood Parks																														
9	Barratt Park	8.30			•				•		•				1	•														
10	Firefighters Park	3.21		•	•				•	•		9	•	2	1		•		2H								•			1
11	Mapleton Park	9.30		•	•				•	•		2	•	1	1	•	•		1H						1P	1				1
12	Mountain Pride Park	9.64							•	•		1	•													2P				
13	Murrieta Elementary School Park	4.26							•	•		3	•	1	1		•		1						1P	2				
14	Northstar Park	14.00		•					•			4		1	1		•								1P	1P				
15	Rancho Acacia Park	10.11		•	•				•		•	8		1	1	•	•								1P	1P				
16	Shady Maple Park	4.79							•	•		2		1	1		•								1P	1P				
17	Valley Vista Park	6.50		•					•			6		1	1		•								1P					
18	Vintage Reserve Park	3.83		•					•	•		3			1		•								1P					
Neighborhood Play Areas																														
19	Antelope Hills Park – Active	5.31	•	•					•			11		1	1		•		2H											
20	Antigua Park	2.26							•						1		•													
21	Blackmore Ranch Park	1.14		•					•	•		2		1	1		•													
22	Calle Cipres Park	1.80							•			2			1		•													
23	Calle Estancia Park	2.83		•	•				•			•		1	1	•														
24	Carson Park	0.69							•								•													
25	Century Park	3.90			•				•		•	4			1	•	•													
26	Creekside Village Green Park	4.00							•			4		1	1	•	•		2H											

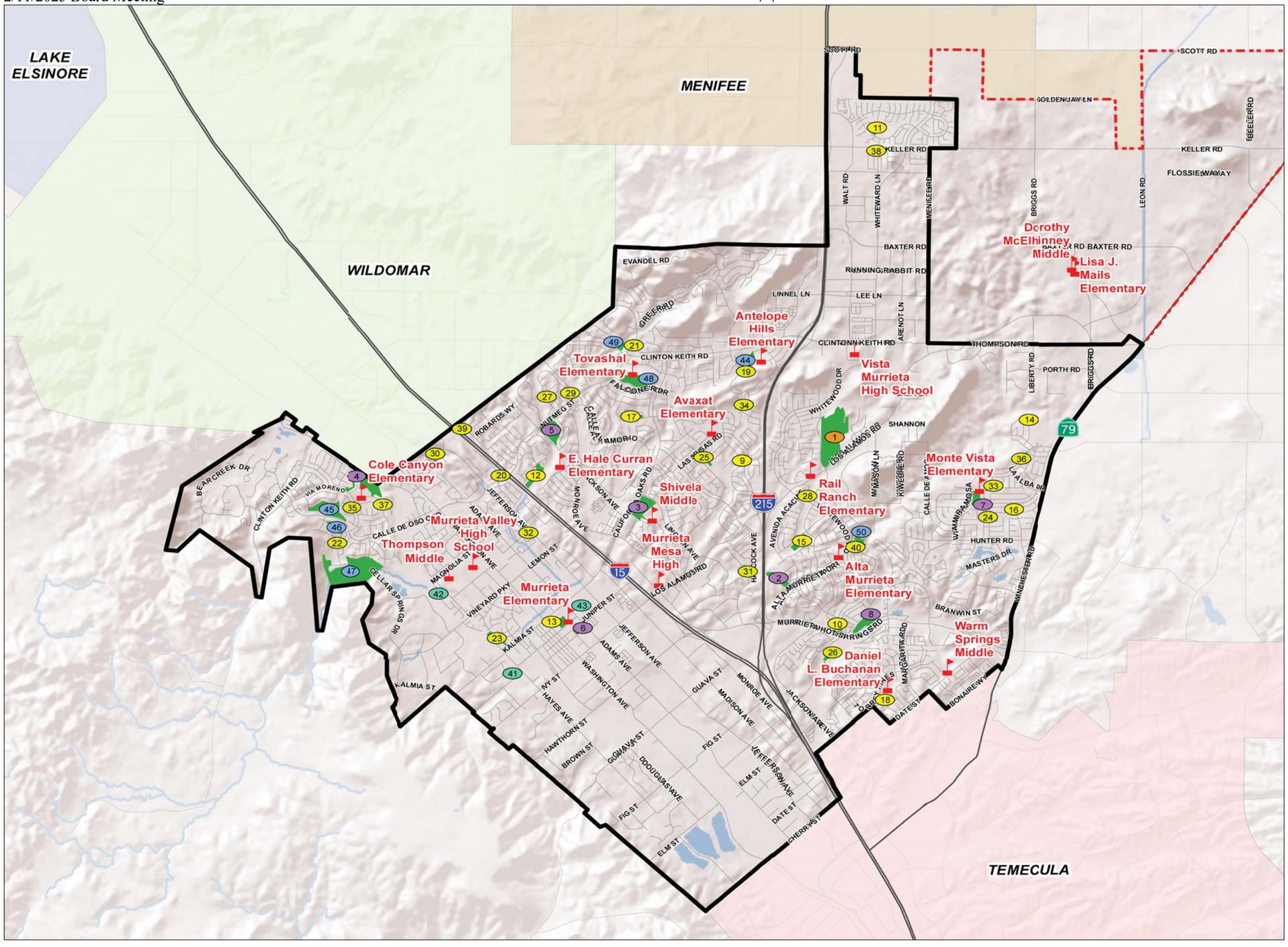
Table 5.20-1 [continued]
Recreational Facilities Inventory

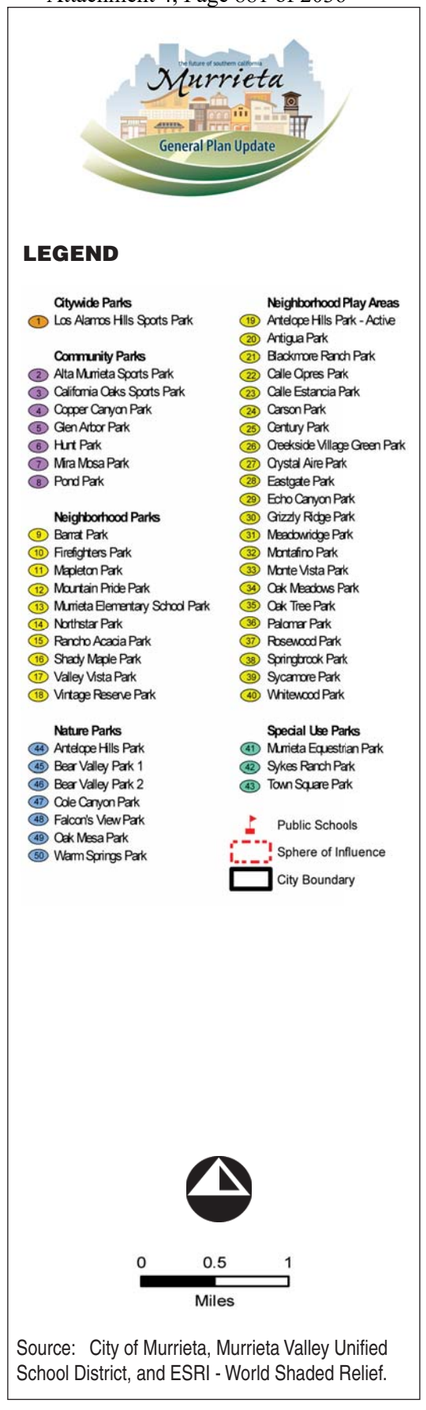
	Recreational Facilities	Parkland Acreage	Passive Amenities															Active Amenities												
			Amphitheater	Barbeques	Bike Path/Walking Trail	Catch and Release Pond	Community Center/Recreation Room	Dog Park	Open Grass Areas	Parking Lot	Par Exercise Course	Picnic Tables	Restroom/Port-O-Lets	Shelters	Tot Lot/Playground Equipment	Multi-Purpose Trail/Trail Connection	Water Fountains	Baseball Field (with Mound)	Basketball Court	Concession Building	Football Field	Gymnasium	Horseshoe Pits	Skateboard Park	Soccer Field	Softball Field (without Mound)	Spray Turtles	Swimming/Wading Pool	Tennis Court	Volleyball Court
27	Crystal Aire Park	1.11		•					•			2																		
28	Eastgate Park	1.50													1		•													
29	Echo Canyon Park	3.07							•			2			1		•													
30	Grizzly Ridge Park	0.44		•					•			1		1	1															
31	Meadowridge Park	4.29		•	•				•			3			1	•	•													
32	Montafino Park	0.76							•						1		•													
33	Monte Vista Park	1.06		•	•				•			2					•		2H											
34	Oak Terrace Park	0.20							•			2			1		•													
35	Oak Tree Park	0.32							•						1															
36	Palomar Park	1.75		•					•			2		1	1		•													
37	Rosewood Park	0.41							•																					
38	Springbrook Park	0.29		•					•			1			1		•													
39	Sycamore Park	2.66							•						1		•		1H											
40	Whitewood Park	1.84							•			5		1			•													
Special Use Parks																														
41	Murrieta Equestrian Park[1]	22.00								•			•																	
42	Sykes Ranch Park	2.61		•	•				•	•	10				1	•	•													
43	Town Square Park	4.22	•		•		•		•	•							•													
Nature Parks																														
44	Antelope Hills Park	0.00			•																									
45	Bear Valley Park 1	20.14			•				•							•														
46	Bear Valley Park 2	3.97			•				•																					
47	Cole Canyon Park	140.00			•											•														
48	Falcon's View Park	9.37			•											•														
49	Oak Mesa Park	5.98																												
50	Warm Springs Park	23.80			•					•						•							•							
	Total Acreage (2009)	**467.24**																												
	Total Acreage with Murrieta Equestrian Center(2010/2011)	**489.68**																												

* Numbers correspond to those in Exhibit 5.20-1, Recreational Facilities.

Definitions:
L = Lighted; P = Practice Field; H = Half Court

Notes:
1. The property for the Murrieta Equestrian Center was acquired by the City after adoption of the 2009 Master Plan. The Center is anticipated to open in 2010/2011.





Source: City of Murrieta, Murrieta Valley Unified School District, and ESRI - World Shaded Relief.

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Recreational Facilities

Exhibit 5.20-1

Back of 11 X 17 Color Exhibit

City-Wide Parks

The Master Plan classifies parks with 50 acres or more of parkland as City-Wide Parks. Los Alamos Hills Sports Park is considered Murrieta's only City-Wide Park with 45 acres of parkland built in Phase I. City-Wide Parks provide recreation facilities or open space for a larger service area than other types of City Parks.

Community Parks

Community Parks have up to 50 acres of parkland and serve neighborhoods within a 2-mile radius. Their primary purpose is to provide active recreational opportunities. Community Parks may include facilities for special events as well as recreation centers, sports fields and courts, and group picnic areas. There are seven Community Parks in Murrieta providing over 95 combined acres of parkland.

Neighborhood Parks

Neighborhood Parks have up to 15 acres of parkland and are considered to serve the daily recreation needs of residents within a convenient walking distance of approximately one-half mile. Full sports fields are less common in parks of this size; instead, amenities may include practice sports fields, open turf areas, playgrounds, picnic tables and shelters, walking paths, attractive landscaping and smaller recreation features such as basketball courts. The Master Plan states that a park of 5 acres or more is appropriate to serve 5,000 residents within this service area. Murrieta has 10 Neighborhood Parks providing over 72 combined acres of parkland. In addition, Community Parks are considered to serve as neighborhood parks for the residents who live within walking distance.

Neighborhood Play Areas

Neighborhood Play Areas provide similar amenities as Neighborhood Parks and have the same service area, but have only as much as 5 acres of parkland. There are 21 Neighborhood Play Areas in Murrieta providing over 35 combined acres of parkland.

Special Use Parks

In 2009, Murrieta had two Special Use Parks, distinguished from other types of parks by being focused on a single type of activity. Service areas are not defined for this type of park. Sykes Ranch Park and Town Square Park are Special Use Parks. The recently-acquired 22.00 acre Stud Ranch equestrian center will be the City's third such park, which is anticipated to open in 2010/2011.

Nature Parks

Nature Parks are distinguished from open space because they provide public access via trails. Up to 10 percent of a Nature Park can be improved for active recreation. However, most of the park is undeveloped and contains vegetation, topography, or features that are important to retain in their natural states. Murrieta has seven Nature Parks, including Cole Canyon Park with 140 acres of parkland.

RECREATIONAL FACILITIES[2]

Murrieta's parks offer a range of recreational facilities. The Master Plan provides an inventory of these park amenities, as shown in *Table 5.20-1*.

As Murrieta's City Park, Los Alamos Hills Sports Park boasts a large collection of facilities: Phase I includes six soccer fields, four ballfields, and three football fields, all with nighttime lighting; there are also picnic areas, trails, and three tot lots. Plans for Phase II include a 20,000 square foot community center building. The Master Plan recommends additional sports facilities.

The Master Plan identified the following facility deficits for 2008:

- Adult softball (1 field)
- Baseball (9 fields)
- Soccer Fields (13 fields)
- Indoor Basketball (3 courts)
- Picnic Tables
- Swimming Pool (1 recreation pool)
- Tennis Courts (28 courts)
- Indoor Basketball Courts (1 court)
- Walking/Jogging Paths
- Bicycling Paths
- Skateboard Park (1 area)
- Dog Parks (3 areas)

JOINT USE FACILITIES

The City's Joint Use agreement with the Murrieta Valley Unified School District is authorized pursuant to *California Education Code* Section 10905, to promote the health and general welfare of the community and contribute to the attainment of the general recreational objectives for children and adults within the community.

[2] Ibid

The agreement provides a framework for the City to access the recreation facilities of 18 school campuses, and for the District to access California Oaks Sports Park, Copper Canyon Park, the Community Center and Senior Center. Through this agreement, 11 District sports fields become City parks in evenings and on weekends, and the District has exclusive access to certain City fields and parks adjacent to school campuses during the school day.[3]

Joint Use Agreements describe general responsibilities and benefits of each party regarding the use of both City and District facilities. The Agreement and State law allow the school district and the City to cooperate with each other for the purposes of improving facilities and for organizing, promoting, and conducting recreation and education programs for children and adults. Currently, the City and the District are each responsible for the regular maintenance and repair or their respective properties and facilities. Each party has first priority for use of its sites, giving second priority to the other party.[4]

In addition to the Joint Use Agreement, community sports organizations have separate agreements with the School District to use school facilities.[5]

NEARBY PARKS AND RECREATION FACILITIES

Within approximately six miles of the City boundary, Murrieta residents have access to open space in the Santa Ana Mountains and three lakes. Lake Elsinore is a natural freshwater lake in the City of Lake Elsinore.[6]

The Metropolitan Water District of Southern California operates two drinking water reservoirs, Lake Skinner and Diamond Valley Lake. All three lakes are open for a variety of recreational uses including fishing and boating; however, swimming is not allowed.[7] Diamond Valley Lake has a separate aquatic facility.[8] Farther away to the southeast, Vail Lake is a privately operated recreation facility.[9]

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[3] "Joint Use Agreement for School and Municipal Facilities between Murrieta Valley Unified School District and the City of Murrieta," effective August 1, 2009.

[4] *City of Murrieta Parks and Recreation Master Plan*, 2009.

[5] Ibid.

[6] (City of Lake Elsinore: "Lake and Aquatic Resources," http://www.lake-elsinore.org/index.aspx?page=172, accessed 11/11/09)

[7] (City of Lake Elsinore: "Lake Use Regulations," no date). (The Metropolitan Water District of Southern California: "Diamond Valley Lake: Diamond Valley Lake Boating Guide," http://www.dvlake.com/rules01.html, accessed 11/11/09)

[8] (The Metropolitan Water District of Southern California: "Diamond Valley Lake: Home," http://www.dvlake.com/index.html, accessed 11/11/09)

[9] (Vail Lake Village & RV Resort, "Vail Lake Membership," http://www.vaillakeresort.com/index.php?p=3_4_Vail-Lake-Membership, accessed 12/9/09)

The Santa Rosa Plateau Ecological Reserve, just outside the city boundaries in the Santa Ana Mountains, provides trails in a portion of its 8,300 acres of open space.[10] Outside Lake Elsinore and Wildomar, the Cleveland National Forest offers trails and campgrounds.[11]

PRIVATE RECREATION FACILITIES[12]

Private recreation facilities in Murrieta include three homeowners association parks, and recreation facilities in the gated communities of Bear Creek and Warm Springs, including a members-only golf course in Bear Creek. The Master Plan does not count private facilities toward the City's goals for parks and recreation.

Commercial recreation facilities that are open to the general public include three golf courses, a golf range, a roller hockey rink, a bowling alley and the Mulligan Family Fun Center.

RECREATIONAL SERVICES[13]

In fiscal year 2007, the Community Services Department served over 8,436 participants in its programs and activities. Senior programs drew the greatest number of participants, at 2,061. Three other programs each drew over 1,000 participants: gymnastics (1,662), aquatics (1,150), and dance (1,028). Other types of recreation offered include sports, toddler, art and music, health and fitness, martial arts, camp, and teen programs. The City also holds a number of community events throughout the year.

The Master Plan identifies the following top program needs:

- Aerobics/Spinning/Fitness Classes
- After School Programs
- Baseball/Softball Programs
- Cooking Classes
- Health and Wellness Programs
- Hobbies/Self Improvement/Career Development
- Music/Concerts
- Nature Education Programs
- Senior Programs
- Special Needs Programs
- Swimming Lessons/Aquatics Classes

[10] (Riverside County Regional Park & Open Space District: "Santa Rosa Plateau," http://www.riversidecountyparks.org/locations/nature-historic-centers/santa-rosa-plateau/, accessed 11/11/09)

[11] (USDA Forest Service: "Forest Visitor Maps: Cleveland National Forest," http://www.fs.fed.us/r5/forestvisitormaps/cleveland/, accessed 11/11/09)

[12] City of Murrieta Parks and Recreation Master Plan, 2009.

[13] Ibid.

TRAILS

In 2006, the City produced a trails guide that maps and describes 15 multi-use trails within the City. These trails provide bicycle, pedestrian, and equestrian access to parkland and open space, but are not connected to each other.[14]

Plans for an interconnected system of trails were included in the City's 1994 General Plan, 1999 Parks and Recreation Master Plan, and 2003 City Adopted Multi-Purpose Trail Plan.[15] *Exhibit 5.4-11*, *Trails and Bikeways*, from the Master Plan depicts existing trails, planned trails, and areas where trails can potentially be connected.

The Master Plan calls out trails as a key issue in the recreation facility recommendations; specifically, the development of an effective, connected, multi-use trail system for walking, jogging, hiking, biking, and equestrian uses. The Master Plan recommends that increased trail connectivity and opportunities should be emphasized, focusing on corridors and links to adjacent natural open space, parks, schools, and commercial areas.

Adjacent to the City of Murrieta are numerous planned County trails with access to hiking areas such as the Santa Rosa Plateau Ecological Reserve. There are also trails in the nearby Cleveland National Forest.

AREAS SERVED OR UNDERSERVED

There are six residential areas that the Master Plan identifies as outside the service area of any neighborhood park, as depicted in *Exhibit 5.20-2*, *Underserved Park Areas in City*. Rural areas with large lots and private open space were not called out in this exhibit as underserviced by neighborhood parks.

FUTURE PLANS

The Master Plan identifies the following key issues for parks and recreation:

- Provision of quantities of swimming pools appropriate to the current and future population.
- Development of an effective, connected, multiuse trail system for walking, jogging, hiking, biking, and equestrian uses.
- Provision of quantities of sports facilities appropriate to the current and future population, to include:

[14] "City Trails," September 2006.
[15] *City of Murrieta Parks and Recreation Master Plan*, 2009.

- Baseball fields
- Soccer Fields
- Softball Fields
- Tennis Courts

- Provision of community centers in appropriate locations.
- Addition of at least two off-leash dog areas, distributed in the City.
- Provision of gymnasiums in appropriate locations.
- Provision of parkland acreage quantities consistent with the City standard of 5 acres per 1,000, with appropriate distribution.

The Master Plan provides details on these facility needs and identifies opportunities to meet them by expanding existing park and joint use facilities, developing City-owned sites, and acquiring additional sites. It also includes exhibits showing locations for proposed facilities and a chapter on funding and implementation.

OPEN SPACE AREAS

Lands set aside for protection and conservation of natural resources are designated as open space. The General Plan indicates that this may include hillsides, significant habitat areas, and creeks. Additionally, within Specific Plan areas, open space may be set aside to serve as buffer areas and drainage areas. Some open space is found in conjunction with parkland, especially in Nature Parks as described earlier in this section.

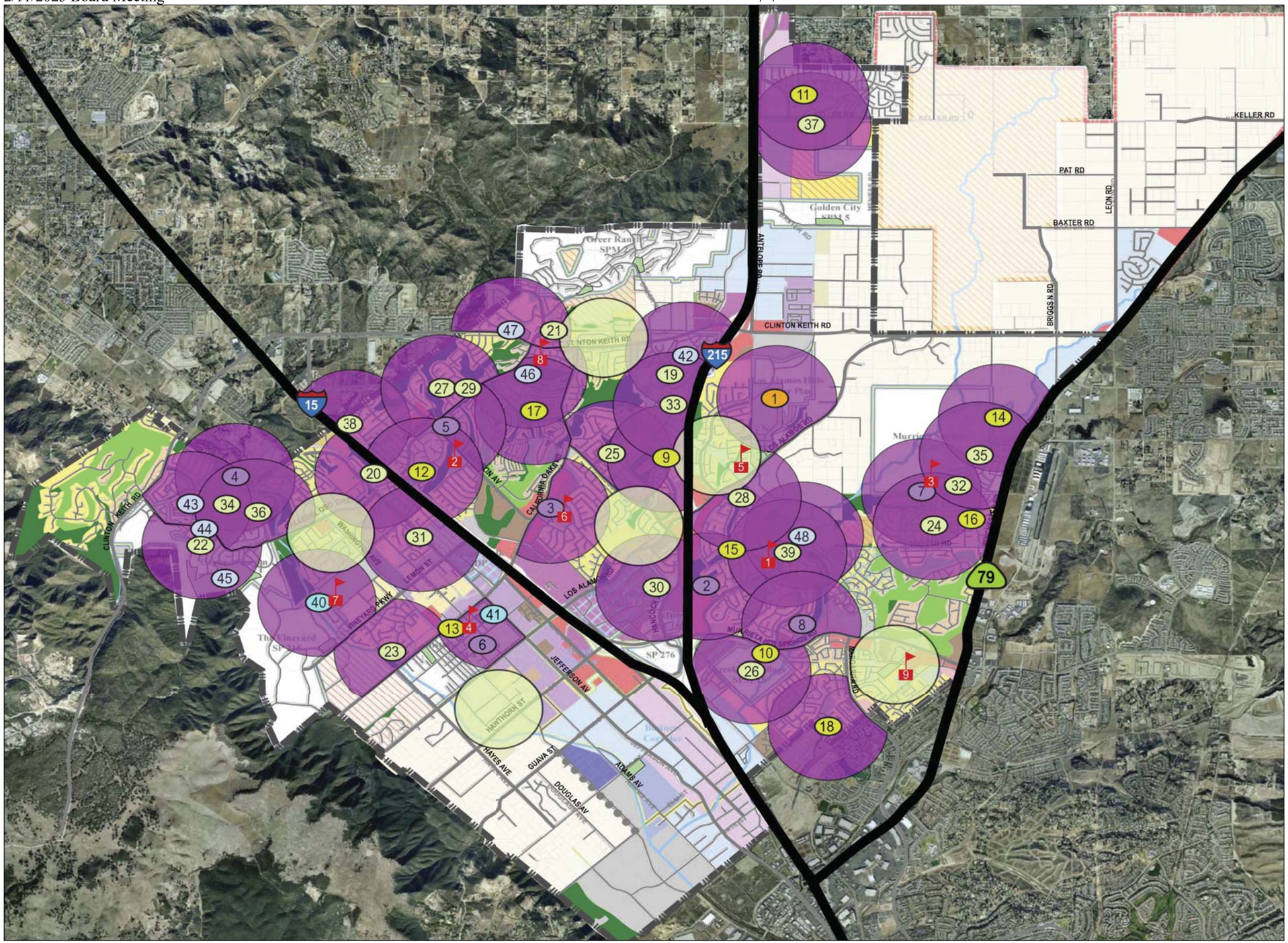
Murrieta currently has 2,306.01 acres classified as Open Space on the 2006 General Plan/Zoning Map within the City limits, as shown in *Exhibit 5.20-3*, *Open Space*.

5.20.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, parks and recreational facilities impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or result in the need for new or physically altered governmental facilities, the construction of which may cause significant environmental impacts in order to maintain acceptable service ratios, response times or other performance objectives for parks.

- Increase the use of existing neighborhood and regional facilities such that substantial physical deterioration of the facility would occur or be accelerated.



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LEGEND

CITYWIDE PARKS
1 Los Alamos Hills Sports Park

COMMUNITY PARKS
2 Alta Murrieta Sports Park
3 California Oaks Sports Park
4 Copper Canyon Park
5 Glen Arbor Park
6 Hunt Park
7 Mira Mosa Park
8 Pond Park

NEIGHBORHOOD PARKS
9 Barratt Park
10 Firefighters Park
11 Mapleton Park
12 Mountain Pride Park
13 Murrieta Elementary School Pk
14 Northstar Park
15 Rancho Acacia Park
16 Shady Maple Park
17 Valley Vista Park
18 Vintage Reserve Park

NEIGHBORHOOD PLAY AREAS
19 Antelope Hills Park - Active
20 Antigua Park
21 Blackmore Ranch Park
22 Calle Cipres Park
23 Calle Estancia Park
24 Carson Park
25 Century Park
26 Creekside Villages Park
27 Crystal Aire Park
28 Eastgate Park
29 Echo Canyon Park
30 Meadowridge Park
31 Montafino Park
32 Monte Vista Park
33 Oak Meadows Park
34 Oak Tree Park

NEIGHBORHOOD PLAY AREAS (con't)
35 Palomar Park
36 Rosewood Park
37 Springbrook Park
38 Sycamore Park
39 Whitewood Park

SPECIAL USE PARKS
40 Sykes Ranch Park
41 Town Square Park

NATURE PARKS
42 Antelope Hills Park
43 Bear Valley Park 1
44 Bear Valley Park 2
45 Cole Canyon Park
46 Falcon's View Park
47 Oak Mesa Park
48 Warm Springs Park

JOINT USE SCHOOLS
1 Alta Murrieta Elementary School
2 E. Hale Curran Elementary School
3 Monte Vista Elementary School
4 Murrieta Elementary School
5 Rail Ranch Elementary School
6 Shivela Middle School
7 Thompson Middle School
8 Tovashal Elementary School
9 Warm Springs Middle School

Underserviced Area

1/2 Mile Service Radius

0 0.5 1
Miles

Source: RJM Design Group, November 2009.

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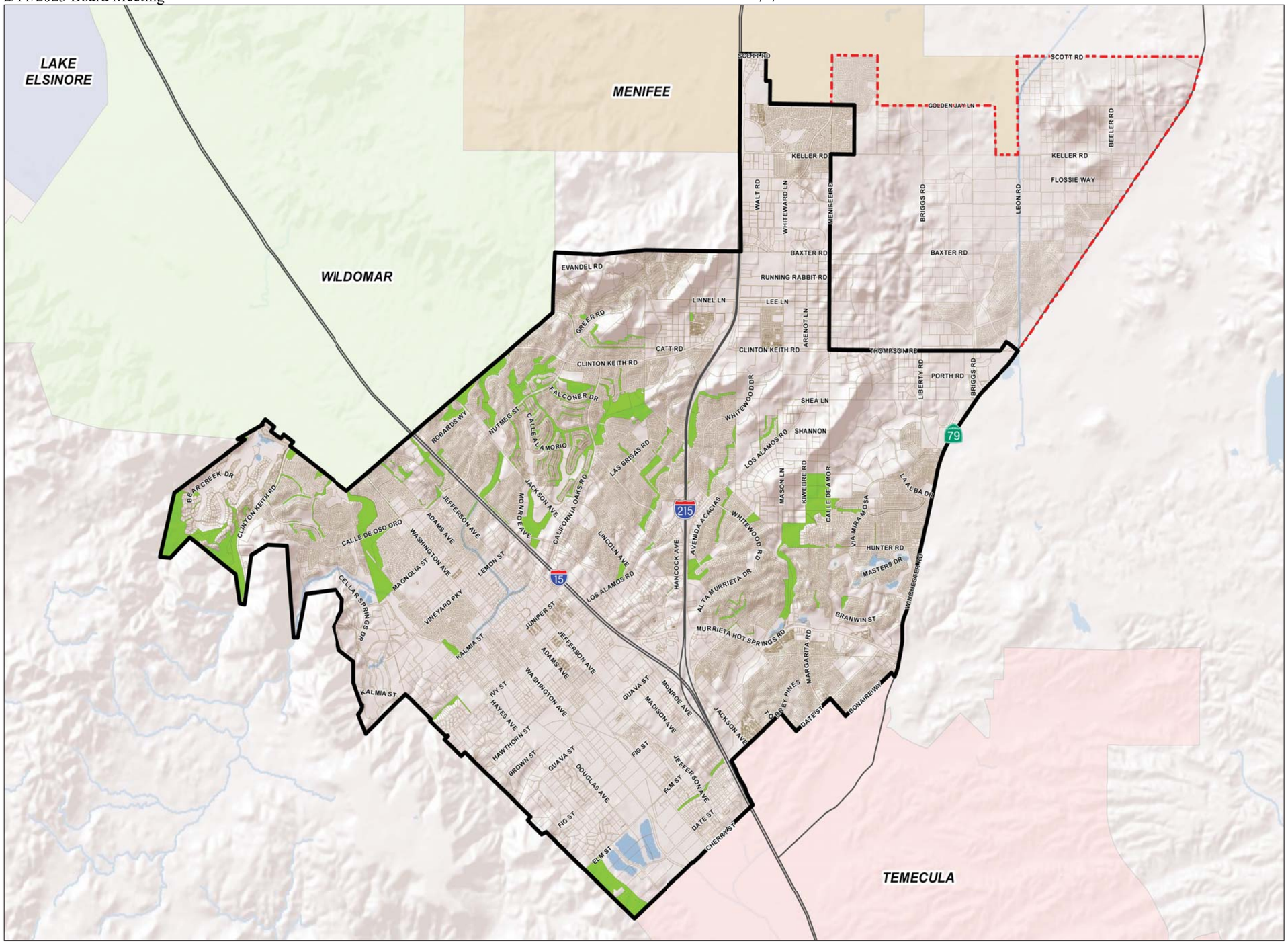
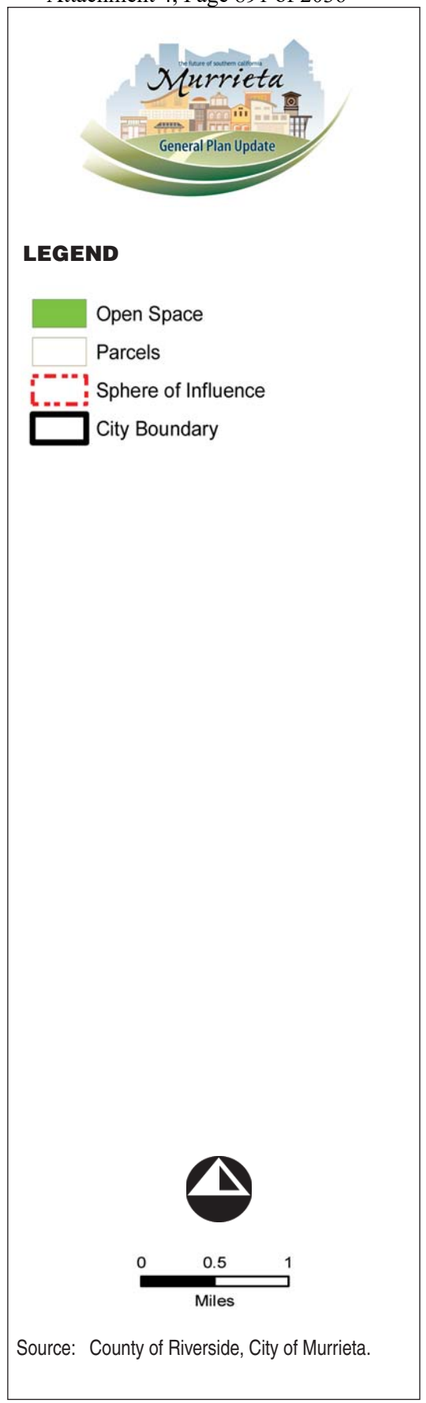
07/11 • JN 10-106976

Underserved Park Areas in City

Exhibit 5.20-2

Back of 11 X 17 Color Exhibit





Source: County of Riverside, City of Murrieta.

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07/11 • JN 10-106976

Open Space

Exhibit 5.20-3

Back of 11 X 17 Color Exhibit

- Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.20.4 PROJECT IMPACTS AND MITIGATION MEASURES

PARKS AND RECREATIONAL FACILITIES

IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN IMPACTS TO THE ADEQUATE AVAILABILITY OF PARKLAND, RECREATIONAL FACILITIES, AND TRAILS WITHIN THE CITY.

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: In June 2009, the City of Murrieta had 467.24 acres of parkland in 48 City parks. The City has adopted a standard of 5 acres of parkland per 1,000 residents. Per the adopted standard, the City had a deficit of 34 acres in June 2009. Additional acreage is required in order to meet identified needs for recreation facilities, such as sports fields and courts. The Master Plan estimated a need for 240.3 acres at buildout, assuming a population of 120,000, to accommodate these facilities. The Master Plan noted that if the City continues to grow, upon buildout assuming the 120,000 population, a deficit of 133 acres would occur if no new park facilities or expansion of existing facilities is anticipated and planned.

The Master Plan identified 14 "opportunity sites" within the City Murrieta, totaling approximately 40-acres[16] of additional parkland. These opportunity sites are planned facilities located throughout the City, and consist of planned sites, unplanned sites, and acquisition sites. Several "opportunity sites" are currently planned as developer-built parks.

The City has a joint use agreement in place with the Murrieta Valley Unified School District (MVUSD), which allows the City to use school facilities after school hours. Based on a preliminary calculation by RBF Consulting , it is anticipated that acreage from MVUSD facilities total 115.48 acres that can be utilized in evenings and on weekends, as shown in *Table 5.20-2, School Facility Open Space*. The school facilities identified for joint use park space are shown in Appendix K.

[16] Written correspondence with Robert Kast, City of Murrieta Parks and Recreation Department, January 2011.

Table 5.20-2
School Facility Open Space

School Name	Acres
Murrieta Mesa High	6.21
Vista Murrieta High School	15.64
Calvary Murrieta Christian	7.60
Cole Canyon Elementary	0.90
Murrieta Valley High School	12.71
Creekside High School	4.19
Murrieta Valley High School	1.77
Creekside High School	2.28
The Oak Grove Center	2.98
E. Hale Curran Elementary	2.87
Shivela Middle	1.57
Murrieta Mesa High	4.97
Avaxat Elementary	6.00
Tovashal Elementary	7.85
Antelope Hills Elementary	2.64
Vista Murrieta High School	7.27
Rail Ranch Elementary	5.84
Alta Murrieta Elementary	6.17
Monte Vista Elementary	3.55
Warm Springs Middle	5.85
Warm Springs Middle	1.58
Daniel L. Buchanan Elementary	1.12
Vista Murrieta High School	3.90
TOTAL	**115.48**

Source: RBF Consulting, using aerial photography and GIS data.

Implementation of the proposed General Plan 2035 would introduce approximately 3,346 new dwelling units in the Focus Areas, along with buildout of existing undeveloped residential areas for a total of 10,734 dwelling units throughout the City, resulting in an approximate population increase of 10,038 persons for the Focus Areas and 32,199 persons citywide. This increase in population would create new demand on current recreational infrastructure including parks, facilities, and programs. The potential citywide population increase would require a total of 161 acres of parkland based on the City's adopted standard of 5 acres per 1,000 persons.

With the inclusion of the 115.48 acres of MVUSD facility open space, and the 40 acres of future opportunity sites, a total of 622.72 acres of parkland and open space would be available in the year 2035 for a population of 133,452. However, to meet the standard of 5 acres per 1,000 residents, a total of 667.26 acres would be needed in the year 2035; therefore, there would be a deficit of 44.54 acres of parkland.

It is anticipated that more parkland and facility areas would be available within the City, and as developments are built and constructed, developers or business owners would be subject to all provisions of the Quimby Act to set aside land or pay in-lieu fees to provide park and recreation facilities. The City charges a Parkland Facilities Development Impact Fee for residential units, as allowed by the Quimby Act (*California Government Code* Section 66477), which is used for park and recreational facility improvements.

The proposed General Plan 2035 includes goals regarding parks, trails and recreational facilities in the Recreation and Open Space and Circulation Elements, specifically Recreation and Open Space Goal ROS-1 to provide parkland within convenient distances from residential area and Goal ROS-3 regarding joint use agreements school districts. However, the goals and associated policies identified below encourage the City to provide parks, recreation facilities and programs, open space, and trails to meet the needs of its constituents. Although the City would adhere to these goals and policies and Quimby Act provisions, as well as utilize future parkland "opportunity sites," collect Parkland Facilities Development Impact fees, and utilize MVUSD school fields and facilities, the parkland acreage would still be at a deficit of 44.54 acres in 2035. It is anticipated that the City would strive to include new potential park sites to meet its goal of 5 acres per 1,000 residents; however, this impact is concluded to be significant unavoidable.

Goals and Policies in the Proposed General Plan 2035:

RECREATION AND OPEN SPACE ELEMENT

Goal ROS-1 Parkland is provided within a convenient distance from all residential areas, in a range of park types that meet different needs for active and passive recreation.

Policies

ROS-1.1 Maintain a minimum standard of 5 acres of local parkland per 1,000 population.

ROS-1.2 Create a strategy for providing sufficient parkland to accommodate needed recreation facilities through land acquisition, joint use, partnerships, and other means.

ROS-1.3 Provide City-Wide Parks, Community Parks, Neighborhood Parks, Neighborhood Play Areas, Special Use Parks, and Nature Parks in locations appropriate to their intended service areas, so that all residential areas are served by parks.

ROS-1.4 Involve the community in planning for parks.

Goal ROS-2 Facilities that support recreation needs, programs, and community events are located throughout the City.

Policies

ROS-2.1 Pursue the development of active recreation facilities through improvements to parks and existing facilities as well as the development of facilities in new parkland.

ROS-2.2 Provide community centers, gymnasiums, and courts for indoor recreation programs in convenient, accessible, and equitably distributed locations.

ROS-2.3 Ensure that recreation facilities provide access and accommodations for users with a range of physical abilities.

Goal ROS-3 City resources for parks and recreation facilities are leveraged through partnerships, joint use agreements, private facilities, outside funding, and community volunteers.

Policies

ROS-3.1 Maintain the joint use agreement with Murrieta Valley Unified School District and look for additional opportunities to partner with expanding resident access to shared facilities.

ROS-3.2 Continue to cooperate with school districts in locating schools to allow for park development adjacent to campuses.

ROS-3.3 Cooperate with federal, state, and county agencies to provide regional open space and recreation facilities for local residents.

ROS-3.4 Encourage the development of private and commercial recreation facilities.

ROS-3.5 Seek agreements and joint ventures with private entities to provide recreation facilities and activities.

ROS-3.6 Pursue support from federal, state, and private sources to assist with acquisition, design, and construction of parks and recreation facilities.

ROS-3.7 Promote a sense of community responsibility for maintaining and improving the parks and recreation system, and offer ways for individuals, groups, and businesses to invest time and resources in that effort.

Goal ROS-4 Recreation programs enrich the lives of residents across a broad spectrum of ages, interests, and abilities.

Policies

ROS-4.1 Seek resident involvement and feedback to create recreation programming that is relevant to a broad spectrum of community members.

ROS-4.2 Offer and encourage cultural arts programs and events that provide entertainment, such as concerts, as well as those that develop skills in dancing, drama, music, and the arts.

ROS-4.3 Use recreation programming to promote physical activity, healthy eating, and other healthy lifestyle habits.

ROS-4.4 Collaborate with other providers to expand therapeutic recreation programs for residents with special needs.

Goal ROS-5 Recreation programs foster a sense of community and civic involvement, and promote interaction between residents.

Policies

ROS-5.1 Host special events that become community traditions, appealing to a range of ages.

ROS-5.2 Encourage events in the Town Square Park and Historic Downtown Murrieta.

ROS-5.3 Promote opportunities for multi-generational interaction such as youth mentoring by seniors and business people.

ROS-5.4 Create roles for volunteers to assist with recreation facilities and programs.

Goal ROS-6 Youth are a special focus of recreation facilities and programs.

Policies

ROS-6.1 Expand recreation programs for youth and teens, including before- and after-school care, sports and fitness, outdoor activity and excursions, and arts education.

ROS-6.2 Use recreation programming to promote success in school.

ROS-6.3 Provide safe places for teens to socialize and participate in recreation activities.

ROS-6.4 Expand opportunities for youth to be involved in planning recreation programs, services, and events for youth.

ROS-6.5 Continue providing the Youth Advisory Committee for middle school and high school students.

Goal ROS-7 Open space areas are planned to protect, conserve, and utilize resources of unique character and value for the community.

Policies

ROS-7.1 Preserve and enhance open space resources in Murrieta.

ROS-7.2 Designate open space to preserve habitat and scenic views of natural areas.

ROS-7.3 Seek opportunities to designate open space along waterways, while also providing for the development of trails.

ROS-7.4 When possible, link open space and parks for the movement of wildlife and people.

Goal ROS-8 New development is part of a coordinated system of open space, parkland, recreation facilities, and trails.

Policies

ROS-8.1 Encourage the provision of parks, recreation facilities, and/or open space in new development and redevelopment projects.

ROS-8.2 Ensure that new residential developments provide for recreation needs of residents through development fees and park dedication.

ROS-8.3 Encourage development that promotes outdoor activity.

ROS-8.4 When reviewing new development or redevelopment projects, refer to the Trails Plan to determine whether right-of-way is needed for trails on the project site.

Goal ROS-9 Public plazas or green spaces provide additional open space opportunities for existing and future residents and employees.

Policies

ROS-9.1 Continue to require that adequate, usable, and permanent private open space is provided in residential developments.

ROS-9.2 Encourage new and existing commercial, office, and industrial development to provide outdoor green spaces that may be used by employees.

ROS-9.3 Encourage new development and redevelopment projects to incorporate gardens and green spaces with various cultural influences throughout the community to bridge cultures and provide education opportunities.

ROS-9.4 Encourage green spaces planted with a diverse plant palette in order to promote natural variety, ecosystem services, and enhance the well-being of community residents.

ROS-9.5 Review and modify as necessary, open space requirements for different types of development projects.

CIRCULATION ELEMENT

Goal CIR-8 Development, expansion, and maintenance of a network of bicycle, pedestrian, and multi-use trails that allows residents to travel between parks, schools, neighborhoods, and other major destinations without driving.

Policies

CIR-8.11 Coordinate the location of multi-use trails to connect with regional trail systems, where feasible.

CIR-8.12 Pursue funding or grant opportunities to plan, construct, and maintain pedestrian, bicycle, and multi-use trails.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are available.

Level of Significance After Mitigation: Significant Unavoidable Impact.

5.20.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS TO PARKS AND RECREATIONAL FACILITIES.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Development associated with the proposed General Plan 2035 would create additional demand on existing parks and recreational facilities within the City. Individual development projects would be reviewed to determine their potential impact on parks and recreational facilities within the City. Implementation of the proposed General Plan 2035 goals and policies would ensure the provision for new developments to mitigate impacts to parkland and recreational facilities. The City has a parkland standard of 5 acres per 1,000 residents. As of 2009, this standard was not being met, and in 2035, a deficit of at least 43.59 acres is anticipated. However, payment of park facilities fees and/or dedication of parkland by future developments would reduce potential park impacts. Additionally, the proposed General Plan 2035 includes goals and policies to take advantage of opportunities for new parkland, civic parks, and open space; pursue joint use agreements; and expand the City's trail network, which would further assist in reducing park impacts. However, with the City's existing parkland deficiency, future growth associated with the proposed General Plan 2035, and cumulative development, cumulative impacts would be considered significant unavoidable in this regard.

Goals and Policies in the Proposed General Plan 2035: Refer to goals and policies referenced above in this Section 5.20.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are available.

Level of Significance After Mitigation: Significant Unavoidable Impact.

5.20.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Implementation of the proposed General Plan 2035 and cumulative development would result in significant unavoidable impacts to parks and recreational facilities.

If the City of Murrieta approves the proposed General Plan 2035, the City shall be required to cite their findings in accordance with *CEQA Guidelines* Section 15091 and prepare a Statement of Overriding Considerations in accordance with *CEQA Guidelines* Section 15093.

5.20.7 SOURCES CITED

City of Lake Elsinore: "Lake and Aquatic Resources," http://www.lake-elsinore.org/index.aspx?page=172, accessed 11/11/09

City of Lake Elsinore: "Lake Use Regulations," no date

City of Murrieta, CityScene, July 2007

City of Murrieta, "City Trails," 2006

City of Murrieta Parks and Recreation Master Plan, 2009

"Joint Use Agreement for School and Municipal Facilities between Murrieta Valley Unified School District and the City of Murrieta," effective August 1, 2009

Riverside County Regional Park & Open Space District: "Santa Rosa Plateau," http://www.riversidecountyparks.org/locations/nature-historic-centers/santa-rosa-plateau/, accessed 11/11/09

The Metropolitan Water District of Southern California: "Diamond Valley Lake: Diamond Valley Lake Boating Guide," http://www.dvlake.com/rules01.html, accessed 11/11/09

The Metropolitan Water District of Southern California: "Diamond Valley Lake: Home," http://www.dvlake.com/index.html, accessed 11/11/09

USDA Forest Service: "Forest Visitor Maps: Cleveland National Forest," http://www.fs.fed.us/r5/forestvisitormaps/cleveland/, accessed 11/11/09

Vail Lake Village & RV Resort, "Vail Lake Membership," http://www.vaillakeresort.com/index.php?p=3_4_Vail-Lake-Membership, accessed 12/9/09

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Section 5.21:
Solid Waste

5.21 SOLID WASTE

This section analyzes the potential solid waste impacts associated with the implementation of the proposed General Plan 2035. Specifically, this section compares the solid waste generation of the proposed General Plan 2035 with the capacity of the existing landfills that accept solid waste from the City of Murrieta.

5.21.1 REGULATORY SETTING

STATE PLANS AND POLICIES FOR SOLID WASTE DISPOSAL

California Integrated Waste Management Act

The California Integrated Waste Management Act of 1989 (AB 939) requires every city and county in the state to prepare a Source Reduction and Recycling Element (SRRE) to its Solid Waste Management Plan, that identifies how each jurisdiction will meet the mandatory state waste diversion goal of 50 percent by and after the year 2000. Subsequent legislation changed the reporting requirements and threshold, but restated source reduction as a priority. The purpose of AB 939 is to "reduce, recycle, and re-use solid waste generated in the state to the maximum extent feasible."

The term "integrated waste management" refers to the use of a variety of waste management practices to safely and effectively handle the municipal solid waste stream with the least adverse impact on human health and the environment. AB 939 established a waste management hierarchy as follows:

- Source Reduction;
- Recycling;
- Composting;
- Transformation; and
- Disposal.

LOCAL PLANS AND POLICIES FOR SOLID WASTE DISPOSAL

Local governments have an ongoing obligation to meet a 50 percent diversion goal, as mandated by AB 939. While Murrieta's recycling program is voluntary, residents and businesses are strongly encouraged to make full use of these services. Recycling and reuse of materials extends the life of landfills, results in less use of natural resources and improves the environment.

The City requires all residential and business properties to have trash collection services. The City contracts with Waste Management of the Inland Empire to provide collection and recycling services. No other haulers are authorized. The City, in collaboration with Waste Management, provides residential customers with three separate containers for waste separation: one for trash, one for commingled recyclables, and one for green waste and organic yard materials. In addition, the City has implemented a variety of Diversion Programs including, but not limited to the Business Waste Reduction program, in which Waste Management Inc. (WMI) and Western Riverside Council of Governments (WRCOG) offer businesses in the City waste assessments to promote recycling activities; Procurement, in which the City continues to give preference to the purchase of recycled content materials when feasible; Economic Incentives; and School Recycling Programs.

CITY OF MURRIETA MUNICIPAL CODE

All solid waste disposals within the City Murrieta are subject to the requirements set forth in *Title 8, Health and Safety*, Chapter 8.28 Waste Management, as provided in the *Municipal Code*. Chapter 8.28 provides integrated waste management guidelines for service, prohibitions, and provisions of service. The provisions of service require that the City of Murrieta shall provide for or furnish integrated waste management services relating to collection, transfer, and disposal of refuse, recyclables, and compostables within and throughout the city.

5.21.2 ENVIRONMENTAL SETTING

In 2009, the City of Murrieta disposed of approximately 58,783 tons[1] of solid waste. Trash collected from the City is primarily disposed of at several landfill sites, as shown below in *Table 5.21-1*, *Disposal Facilities Used By Murrieta (2009)*.

As indicated in *Table 5.21-1*, the majority of solid waste generated within the City is disposed of at El Sobrante Landfill. The El Sobrante Landfill is located midway between Lake Elsinore and Corona along I-15. The landfill has a daily permitted capacity of 16,054 tons/day. In 2009, the City disposed of approximately 50,215 tons of solid waste in this landfill (approximately 137.6 tons per day). This represents approximately 0.0086 percent of this landfill's permitted daily capacity. The El Sobrante landfill is currently slated for closure in January 2045.

The Badlands Sanitary Landfill is located on Ironwood Avenue in Moreno Valley, along SR-60. The landfill has a daily permitted capacity of 4,000 tons per day. The City disposed of approximately 8,178 tons of solid waste at this landfill (approximately 22.4 tons per day) in 2009. This represents approximately 0.0056 percent of this landfill's permitted daily capacity. The Badlands Sanitary Landfill is slated for closure in December 2038.

[1] California Integrated Waste Management Board official website, Disposal Reporting System, 2008, http://www.ciwmb.ca.gov LGCentral/Reports/DRS/Destination/JurDspFa.aspx, 2009 data, Accessed December 17, 2010

Table 5.21-1
Disposal Facilities Used by Murrieta (2009)

Facility	Amount Disposed from Murrieta (tons/year)[1]	Permitted Throughput (tons/day)[2]	Permitted Capacity (cubic yards)[2]	Remaining Capacity (cubic yards)[2]	Anticipated Closure Date[2]
Azusa Land Reclamation Co. Landfill	192	6,500	66,670,000	34,100,000	1/01/2025
Badlands Sanitary Landfill	8,178	4,000	30,386,332	19,477,616	1/1/2016
Bakersfield Metropolitan (Bena) Sanitary Landfill	1	4,500	53,000,000	34,994,127	12/31/2038
California Street Landfill	14	829	10,000	6,800	1/1/2042
El Sobrante Landfill	50, 215	16,054	184,930,000	145,530,000	1/01/2045
Lamb Canyon Sanitary Landfill	150	3,000	34,292,000	18,955,000	4/30/2021
Olinda Alpha Sanitary Landfill	18	8,000	74,900,000	38,578,383	12/31/2013
Prima Deshecha Sanitary Landfill	2	4,000	172,900,000	87,384,799	12/31/2067
San Timoteo Sanitary Landfill	2	1,000	24,400,000	11,360,000	5/01/2016
Sycamore Sanitary Landfill	10	3,965	48,124,462	47,388,428	12/31/2031
Total	**58,783**	**68,200**	**928,071,000**	**518,511,964**	NA

[1] California Integrated Waste Management Board official website, Disposal Reporting System, 2008, http://www.ciwmb.ca.gov LGCentral/Reports/DRS/Destination/JurDspFa.aspx, 2009 data, Accessed December 17, 2010.
[2] California Integrated Waste Management Board official website, Solid Waste Information System, 2010, http://www.calrecycle.ca.gov/SWFacilities/Directory/Search.aspx, accessed December 17, 2010.

According to the Jurisdictional Profile for Murrieta, the City had a diversion rate of 49 percent in 2006[2]. In December 2008, the California Integrated Waste Management Board found Murrieta to be in compliance with state requirements, having made a "good faith" effort to meet the 50 percent reduction goal.[3]

5.21.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, impacts to solid waste facilities and service resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

[2] Ibid
[3] Source: Cal Recyle, http://www.calrecycle.ca.gov/LGCentral/Tools/MARS/JurDrDtl.asp?Flag=1&Ju=329&Yr=2006, accessed January 29, 2011.

- Is served by a landfill with insufficient permitted capacity to accommodate the project's solid waste disposal needs; and/or
- Does not comply with federal, state, and local statutes and regulations related to solid waste.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.21.4 PROJECT IMPACTS AND MITIGATION MEASURES

LANDFILL CAPACITY

■ **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN DEMANDS ON LOCAL LANDFILLS IN EXCEEDANCE OF CAPACITY CURRENT CAPACITY CONSTRAINTS.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: The projected growth anticipated with implementation of the proposed General Plan 2035 would potentially impact solid waste disposal services and the capacity of landfill facilities that serve the City.

The State of California has established 50 percent as the minimum waste reduction rate for all cities. According to the City's website, the last measured diversion rate was 47 percent, and according to the Jurisdictional Profile for Murrieta, the city had a diversion rate of 49 percent in 2006[4]. Chapter 8.28 of the Municipal Code stipulates policies and procedures for the collection and management of solid waste in Murrieta, in accordance with AB 939.

As illustrated in *Table 5.21-2*, *Net Increase in Solid Waste Generation*, implementation of the proposed General Plan 2035 would generate an additional 348,541 lbs/day or 175 tons/day of solid waste, or 63,875 tons of solid waste per year. This represents an approximate 0.0026 percent increase of the combined daily permitted capacity all landfills currently serving the City.

[4] Ibid

Table 5.21-2
Net Increase in Solid Waste Generation

Land Use	Units or Square Feet	Generation Factor[1]	Solid Waste Generation (lbs/day)
Residential	10,734 du	12.23 lbs/unit/day	131,277
Non-Residential[2]	36,210,757 sf	6lbs/1000 sf/day[3]	217,265
		Total	**348,541 lbs/day or 175 tons/day**

1 = Does not include demolition inert waste generation
2 = Non-residential land uses include commercial, office and research park, business park, and civic/institutional
3 = Generation Factor for business park, office, and commercial
sf = square feet lbs = pounds du = dwelling units
Source: California Integrated Waste Management Board, Solid Waste Information System, 2004, *Estimated Solid Waste Generation Rates for Residential, Commercial, Industrial and Institutional Establishments,* http://www.calrecycle.ca.gov/wastechar/wastegenrates/, accessed December 17, 2010

Compliance with City and County waste reduction programs and policies would reduce the volume of solid waste entering landfills. Individual development projects within the City would be required to comply with applicable State and local regulations, thus reducing the amount of landfill waste by at least 50 percent. Nonetheless, buildout associated with implementation of the proposed General Plan 2035 would increase the volume of solid waste generated in the City that is diverted to existing landfills, thus contributing to the acceleration of landfill closures or the use of more distant sites. However, the closure dates for the various landfills range from 2013 until 2067. Combined remaining capacities at the landfills would be adequate to accommodate the buildout of the proposed General Plan 2035.

The proposed General Plan 2035 Conservation Element includes goals and policies that address opportunities to reduce solid waste generation and disposal within the City. Additionally, future developments resulting from the implementation of the proposed General Plan 2035 would be reviewed on a project-by-project basis to ensure that solid waste disposal services and landfill facilities would be available to serve the development. All development projects would be required to comply with Federal, State, and local statutes and regulations related to solid waste. Therefore, implementation of proposed General Plan 2035 would result in less than significant impacts.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-13 Solid waste is diverted from landfills through waste reduction, re-use and recycling.

Policies

CSV-13.1 Continue to comply with the landfill diversion requirements of the Integrated Waste Management Program.

CSV-13.2 Ensure that non-residential and multi-family developments provide readily accessible areas for recycling (at a minimum) paper, corrugated cardboard, glass, plastics and metals, as required by California law.

CSV-13.3 Maximize community reuse and recycling of products and materials through waste management contracts and public education.

CSV-13.4 Incentivize businesses that provide solutions for recycling and re-use of specific waste streams such as food waste and cooking oils.

CSV-13.5 Work with local landfills or green waste centers to develop the infrastructure for a composting program.

CSV-13.6 Provide public outreach and education workshops and information on the composting program.

CSV-13.7 Work with local landfills or green waste centers, or other interested parties, as appropriate, to implement a community-wide food scrap collection and composting program.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.21.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND OTHER CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS RELATED TO SOLID WASTE DISPOSAL SERVICES AND LANDFILL DISPOSAL CAPACITY.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Future development associated with buildout of the proposed General Plan 2035 and associated cumulative projects within the local area would impact solid waste collection and disposal services within the area. Murrieta, along with cities in the surrounding area, would continue to use common landfill resources, thereby reducing the capacity of local landfills.

Although the proposed General Plan 2035 would not significantly impact existing landfill capacity, the increase in solid waste generation from the proposed project and related cumulative projects together could significantly impact the finite resources associated with solid waste disposal. Individual development projects and related cumulative projects would be required to meet current recycling goals, reducing the amount of solid waste requiring disposal at landfills. Future developments would be reviewed on a project-by-project basis; solid waste impacts would be evaluated based on existing and planned disposal facilities and capacities available.

All development projects would be required to comply with Federal, State, and local statutes and regulations related to solid waste. Pursuant to the California Integrated Waste Management Act of 1989 (AB 939), every city and county in the State is required to divert 50 percent of solid waste generated in its jurisdiction away from landfills. Implementation of source reduction measures, such as recycling and converting waste to energy, that would be implemented on a project-by-project basis would serve to divert solid waste away from landfills. The contribution of the proposed General Plan 2035 to cumulative impacts associated with increased solid waste would be less than significant. Therefore, the proposed General Plan 2035 would not result in cumulatively considerable solid waste impacts.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.21.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.21.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Solid waste impacts associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to/compliance with State and local requirements and goals and policies in the proposed General Plan 2035. No significant unavoidable solid waste impacts would occur as a result of buildout of the proposed General Plan 2035.

5.21.7 SOURCES CITED

City of Murrieta Website, www.murrieta.org/services/waste/index.asp, accessed December 17, 2010

City of Murrieta Municipal Code, codified December 2010, Chapter 8.28, Waste Management, accessed December 26, 2010.

California Integrated Waste Management Board official website, Disposal Reporting System, 2008, located online at http://www.ciwmb.ca.govLGCentral/Reports/DRS/Destination/JurDspFa.aspx, 2009 data, accessed December 17, 2010

City of Murrieta Jurisdictional Waste Stream profile, located online at http://www.calrecycle.ca.gov/Profiles/Juris/JurProfile2.asp?RG=C&JURID=329&JUR=Murrieta, accessed December 17, 2010

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Section 5.22:
Electricity and Natural Gas

5.22 ELECTRICITY AND NATURAL GAS

This section identifies electricity and natural gas service providers and facilities serving the City of Murrieta and evaluates potential electricity and natural gas impacts associated with implementation of the proposed General Plan 2035.

5.22.1 REGULATORY SETTING

FEDERAL

State and Federal governments extensively regulate corporate utilities. The Federal government has almost no power to regulate municipal utilities, except as they are parties to certain contracts that must be filed with the Federal Energy Regulatory Commission (FERC).[1]

STATE

The California Public Utilities Commission (CPUC) regulates privately owned electric, natural gas, telecommunications, water, railroad, rail transit, and passenger transportation companies. Assembly Bill 1890, enacted in 1996, deregulated the power generation industry, allowing customers to purchase electricity on the open market. Under deregulation, the production and distribution of power that was under the control of investor-owned utilities was decoupled. Deregulation allowed other providers the ability to supply electricity to consumers.

The Energy Efficiency Standards for Residential and Nonresidential Buildings were established in 1978 in response to a legislative mandate to reduce California's energy consumption. The standards are updated periodically to allow consideration and possible incorporation of new energy efficiency technologies and methods.

LOCAL

Electric power supply and distribution to the City of Murrieta is furnished by Southern California Edison (SCE). The Southern California Gas Company (SCG) provides natural gas service to the City of Murrieta. Electrical and natural gas services must be provided in accordance with SCE and SCG policies and extension rules on file with the CPUC at the time contractual agreements are made.

[1] http://www.econlib.org/library/Enc1/ElectricUtilityRegulation.html

On July 17, 2008, the Murrieta City Council adopted Ordinance No. 408-08 establishing standards for regulating non-commercial wind energy conversion systems in the Rural Residential District.[2]

5.22.2 ENVIRONMENTAL SETTING

ELECTRICITY

Electrical power is provided within the City of Murrieta by SCE. There is a local SCE office located at 27450 Ynez Road, Suite 124 in Temecula. There are a total of six existing substations that service the area, of which three are within the City of Murrieta.

SCE maintains and operates the transmission and distribution infrastructure necessary to provide electricity to end users throughout its entire service area. SCE provides electricity to approximately 13 million people, 180 cities and communities in 50,000 square miles of service area, encompassing 11 counties in central, costal and southern California, excluding the City of Los Angeles and certain other cities. Electricity can be generated from a combination of natural gas, hydroelectric, nuclear or renewable sources (wind and solar). SCE facilities include hydroelectric, nuclear, and coal power plants as identified below:[3]

- Big Creek Hydroelectric Facilities is located in Shaver Lake, California. This hydroelectric facility began operating in 1911, and consists of 23 hydroelectric generating units in nine powerhouses with a generating capacity of approximately 1,000 Megawatts, and six major reservoirs with a storage capacity of more than 560,000 acre-feet.

- San Onofre Nuclear Generating Station (SONGS), located in San Clemente, California, is jointly owned by SCE (75 percent share), San Diego Gas & Electric (20 percent share), and the cities of Riverside and Anaheim (remaining interests). In operation since 1968, SONGS is one of the largest nuclear generating stations in the United States. SONGS' two active units can serve 2.2 million households. Unit 1 of the facility was decommissioned in 2007.

- Four Corners Generating Station is located in Fruitland, New Mexico. Arizona Public Service and SCE jointly own this facility. SCE owns 48 percent (approximately 754 Megawatts) in shares. The plant is fueled by coal and has a generating capacity of approximately 2,048 Megawatts.

[2] City of Murrieta City Council Meeting Minutes, June 17, 2008, http://www.murrieta.org/uploads/minutes/council/cm061708.doc, accessed January 14, 2010

[3] Southern California Edison Company, *Our Company*, 2008, http://www.edison.com/ourcompany/sce.asp, accessed December 11, 2009.

- Mohave Generating Station, located in Laughlin, Nevada, is jointly owned by the SCE (56 percent share), the Salt River Project (20 percent share), Nevada Power (14 percent share), and Los Angeles Department of Water and Power (10 percent share). The Mohave Generating Station temporarily ceased operations on December 31, 2005 in order make significant upgrades to the plant and its emissions control systems. The plant owners are working to bring the plant back online as soon as possible. Prior to the facility ceasing operations, the plant's generating capacity was approximately 1,580 Megawatts and utilized low-sulfur coal. Coal was mixed with water off-site and delivered to the Mohave plant via a 275-mile pipeline, the only pipeline coal delivery system in the world.

- Palo Verde Nuclear Generating Station, located in Wintersburg, Arizona, is owned by both SCE (16 percent share) and Arizona Public Service (84 percent share). This facility is fueled by nuclear power and has a generating capacity of 3,600 Megawatts.

Locally, SCE is in the process of developing the Triton transmission substation. The substation project consists of constructing a new 115/12 kilovolt substation that would serve the cities of Temecula, Murrieta, and unincorporated southwestern Riverside County. The substation would be located in the City of Temecula with the purpose of strengthening SCE's electrical network in order to maintain reliability and meet the area's forecasted electrical demands due to population and density growth. The Triton transmission substation had an expected in-service date of June 2010.[4]

NATURAL GAS

The City of Murrieta receives its natural gas service from SCG, a subsidiary of Sempra Energy. Currently SCG is the nation's largest natural gas distribution utility, serving approximately 20.5 million consumers throughout 20,000 square miles of central and Southern California.[5]

The City is located within SCG's Ramona District of the Inland Empire. SCG provides the City with customer and distribution services. The City does not have any natural gas storage facilities. Natural gas is brought to the City through an existing network of gas transmission pipelines. Natural gas is distributed through existing mains located under City streets which can be extended to serve new projects. When new gas supply lines are required, SCG obtains encroachment permits from the City in advance of construction.

[4] Southern California Edison, Project Update Triton 115/12 Kilovolt Substation, October 2008; http://www.sce.com/NR/rdonlyres/7787C52B-A994-455E-8FD2-157955FC8BFF/0/081009_TritonSubProjectUpdate.pdf, accessed January 14, 2010.

[5] Sempra Energy, *Companies*, 2008, http://www.sempra.com/companies/utilities.htm#scg, accessed, December 11, 2009.

For service meter installation and maintenance procedures SCG possesses a "blanket permit" agreement with the City where the work is performed and SCG notifies the City after the work is completed.[6]

In areas of the City where natural gas infrastructure is not available, homes or businesses use propane gas. Individual propane tanks are located on the property and the owners or occupants execute private agreements with propane companies to maintain and refill the tanks.

RENEWABLE ENERGY

Southern California Edison

In 2008, SCE delivered approximately 12.6 billion kilowatt-hours of renewable energy to its customers, representing approximately 16 percent of the total energy delivered. Based on current renewable energy contracts, SCE expects that upon delivery, 20 percent or more of its customers energy needs with be met with renewable energy. *Table 5.22-1, Southern California Edison, 2008 Renewable Energy Summary* provides a summary of the renewable energy SCE generated in 2008.

Table 5.22-1
Southern California Edison
2008 Renewable Energy Summary

	Capacity (MW)	Delivered in 2008 (MWh)	Percentage of SCE's Renewable portfolio (%)
Wind	1,137	2,572,011	21
Geothermal	906	7,839,726	62
Solar	356	730,712	6
Biomass	185	904,465	7%
Small Hydro	200	526,193	4
Total	**2,784**	**12,573,107**	**100**
Source: SCE, http://www.sce.com/PowerandEnvironment/Renewables/ accessed January 14, 2010			

SCE has signed two wind-energy contracts. One agreement, with Puget Sound Energy signed in January 2009, calls for 2 billion kilowatt-hours over the next two years. The projects are located in Columbia and Kittitas counties in Washington State. The other, with AES Mountainview, calls for 66.6 megawatts from a wind farm in the San Gorgonio Pass near Palm Springs. This 10-year contract was signed in November 2008.

[6] City of Murrieta Master Environmental Assessment, October 28, 1992

In addition, SCE has implemented the *Renewables Standard Contract Program*, which is available for all renewable technologies of 20 megawatts or less. This program is designed to help smaller renewable generators contribute to reaching California's renewable energy and environmental goals. It also provides a faster, simpler way for renewable projects under 20 megawatts to sell their power to utility customers.

Southern California Gas Company

SCG participates in the Self-Generation Incentive Program (SGIP), which was established in 2001 in response to Assembly Bill (AB) 970. This legislation required the CPUC to initiate certain program activities that allowed customers of the utility to generate their own power and sell it back to a utility. The first SGIP application was accepted by the CPUC in July 2001. Today, the SGIP represents the single largest incentive program of its kind in the country. Approximately 860 facilities representing slightly over 200 megawatts of rebated generation capacity have been installed and received rebate checks under the program.[7] *Table 5.22-2, Southern California Gas Company Self-Generation Incentive Levels*, outlines the incentives provided by SCG for participating in the program.

Table 5.22-2
Southern California Gas Company
Self-Generation Incentive

Incentive Levels	Eligible Technologies	Incentive Offered ($/Watt)[2]	Minimum System Size	Maximum System Size[3]
Level 2 (Renewable)	Wind turbines	$1.50/W	30 kW	5 MW
	Renewable fuel cells	$4.50/W		
Level 3 (Non-Renewable)	Non-Renewable fuel cells[1]	$2.50/W	None	5 MW
Advanced Energy Storage	Coupled with eligible self generation technology and four hour discharge period rate capacity	$2.00/W	None	5 MW

Source: SCG, http://www.socalgas.com/business/selfGen/
1. System must utilize waste heat recovery meeting Public Utilities Code 218.5.
2. O - 1 MW -- 100% of incentive
   1 - 2 MW -- 50% of incentive
   2 - 3 MW -- 25% of incentive
3. Maximum incentive payout capped at 3 MW.

[7] CPUC Self-Generation Incentive Program Fifth Year Impact Evaluation, Final Report, prepared by Itron, Inc, March 1, 2007

5.22.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, impacts to electricity and natural gas facilities and service resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- The project would create demands on electricity or natural gas supply and/or infrastructure which exceed the capacity of the utility serving the project area.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.22.4 PROJECT IMPACTS AND MITIGATION MEASURES

ELECTRICITY

■ IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INCREASED DEMAND FOR ELECTRICITY PROVIDED WITHIN THE CITY.

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Implementation of the proposed General Plan 2035 would result in an increased demand for electricity supplies. As indicated in Table *5.22-3*, *Net Increase in Electricity Demand* the proposed General Plan 2035 would result in an increased electricity demand of approximately 529,324,154 MWh/year over existing usage. However, SCE has indicated that it would be able to serve the projected buildout resulting from implementation of the proposed General Plan 2035.[8] SCE has existing electricity infrastructure located throughout the City, which would serve future development associated with the implementation of the proposed General Plan 2035.

[8] Written Correspondence with Ronald Wold, SCE Field Engineering, December 2010

Table 5.22-3
Net Increase in Electricity Demand

Land Use	Development Potential	Consumption Factor	Electricity Demand
Residential	10,734 du	5626.5 kWh/du/year	60,394,861 MWH/year
Non-Residential[1]	36,210,757 sq ft	12.95 kWh/sf/year[2]	468,929,303 MWH/year
		Total	**529,324,154 MWh/year**

kWh = kilowatt-hour MWh = Megawatt-hour sf = square feet du = dwelling unit
Source: Consumption factors obtained from South Coast Air Quality Management District CEQA Air Quality Handbook, April 1993, Table A9-11-A.
1 = Non-residential land uses include commercial, office and research park, business park, and civic/institutional
2 = Office Consumption Factor was applied.

SCE maintains a Distribution Plan that is updated every year. With regard to the five Focus Areas targeted for land use change in the proposed General Plan 2035, SCE anticipates that new development in the northern portion of the City would be served by the Auld Substation, which is located at Clinton Keith Road and Liberty Road. New development in the southern portion of the City may be served from a new substation being built in Temecula, which would be coming online in 1 to2 years. It is also possible that this new substation may take load from the Auld substation, allowing Auld to serve more development in the north. Development in the southern portion of the City would also be served by the existing Stadler Substation, located by Ivy Street and Jefferson Street.[9]

Additionally, SCE just upgraded the Tenaja Substation, located at Clinton Keith Road and Grand Avenue, which could help serve new growth in the southern portion of the City, or could take some of the load that would be served by the Stadler Substation.[10]

It is anticipated that service demands created by implementation of the proposed General Plan 2035 are within the service parameters of SCE current and future transmission and service infrastructure. SCE would update existing facilities or add new facilities in the City as needed throughout the life of the proposed General Plan 2035. Financial responsibility for any updates or additional facilities would be in accordance with SCE's rules and tariffs. All new developments that require new electricity lines to be installed would be required to pay applicable fees assessed by SCE to extend electricity lines to serve a specific project site. SCE would not provide service to new developments if there were not adequate electricity supplies and infrastructure to maintain existing service levels and meet the anticipated electricity demands of the specific development requesting service.

In addition, all new construction in the State of California is subject to the energy conservation standards set forth in *Title 24*, Parts 6 and 11 of the *California Code of Regulations*. These are prescriptive standards that establish maximum energy consumption levels for the heating and

[9] Ibid
[10] Ibid

cooling of new buildings. Furthermore, the proposed General Plan 2035 includes policies related to conservation and energy efficiency in the Infrastructure and Conservation Elements. Adherence to these building practices would reduce the demand for electricity. As such, impacts are anticipated to be less than significant in this regard.

Goals and Policies in the Proposed General Plan 2035:

INFRASTRUCTURE ELEMENT

Goal INF-1 New development and redevelopment is coordinated with the provision of adequate infrastructure for water, sewer, storm water, and energy.

Policies

INF-1.2 Discourage development in areas without connections to existing infrastructure, unless infrastructure is being provided.

INF-1.5 Continue to require new development and redevelopment to provide verification that energy utilities are able to accommodate the additional demand for service.

INF-1.7 Encourage the preparation and updates of master plans by the appropriate providers or agencies to conduct detailed long-range planning to ensure the efficient provision of public services, infrastructure, and/or utilities.

CONSERVATION ELEMENT

Goal CSV-12 Energy conservation and the generation of energy from renewable sources is prioritized as part of an overall strategy to reduce greenhouse gas emissions.

Policies

CSV-12.1 Ensure that all developments comply with energy efficiency requirements as mandated by the applicable Building Code.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

NATURAL GAS

IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INCREASED DEMAND FOR NATURAL GAS PROVIDED WITHIN THE CITY.

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Implementation of the proposed General Plan 2035 would result in an increased demand for natural gas supplies. According to *Table 5.22-4*, *Existing Natural Gas Consumption*, it is estimated that the City of Murrieta currently consumes 2,669,820 kcf per year of natural gas.

Table 5.22-4
Existing Natural Gas Consumption

Land Use	Development Potential	Consumption Factor	Natural Gas Demand
Residential	33, 750 du	6,665 cf/du/month	224,944 kcf/month
Commercial	13,978 sf	2.9 cf/sf/month	41 kcf/month
		Total	**224,985 kcf/month (2,699,820 kcf/year)**

cf = cubic feet kcf = thousand cubic feet sf = square feet du = dwelling unit
Source: Consumption factors obtained from South Coast Air Quality Management District CEQA Air Quality Handbook, April 1993, Table A9-12-A.
Note: All non-residential land uses are lumped into the Commercial Designation, to produce a more conservative estimate.

As indicated in *Table 5.22-5*, *Net Increase in Natural Gas Demand*, new development associated with implementation of the proposed General Plan 2035 would generate a need for an addition of approximately 1,727,563,488 kcf per year of natural gas supplies over existing usage.

Table 5.22-5
Net Increase in Natural Gas Demand

Land Use	Development Potential	Consumption Factor	Natural Gas Demand
Residential	10,734 du	6,665 cf/du/month	71,542,110 kcf/month
Non-Residential[1]	36,210,757 sq ft	2.0 cf/sf/month	72,421,514 kcf/month
		Total	**143,963,624 kcf/month 1,727,563,488 kcf/year**

cf = cubic feet kcf = thousand cubic feet sf = square feet du = dwelling unit
Source: Consumption factors obtained from South Coast Air Quality Management District CEQA Air Quality Handbook, April 1993, Table A9-12-A.
1 = Non-residential land uses include commercial, office and research park, business park, and civic/institutional
2 = Office Consumption Factor was applied.

This represents an increase in natural gas consumption of approximately 64 percent over 25 years, which is approximately a 2.56 percent increase per year. Based on past experiences with SGC, it is anticipated that SCG would be able to serve this projected increase. Each project would be reviewed on a case-by-case basis, which means that natural gas sources and infrastructure to serve the project(s) would be planned for well in advance of project construction. Additionally, all aforementioned proposed General Plan 2035 goals and policies would also be applicable to all future development projects requiring natural gas. Thus, a less than significant impact is anticipated in this regard.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.22.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.22.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND OTHER CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS TO ELECTRICAL AND/OR NATURAL GAS SERVICES AND FACILITIES.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: For this topic, the cumulative impacts are analyzed in terms of impacts associated with the proposed General Plan 2035 and related cumulative projects served by the same electricity and natural gas service providers (i.e., SCE, SCG).

Future development resulting from the implementation of the proposed General Plan 2035, in combination with other future development within SCE and SCG service areas would result in the long-term and continued use of electricity and natural gas resources. Potential electricity and natural gas impacts associated with new developments would be evaluated on a project-by-project basis. All new development that would be served by SCE would be required to pay applicable fees assessed by SCE necessary to provide service to the specific project. SCE would not provide service to new developments if there were not adequate electricity and natural gas supplies and infrastructure to maintain existing service levels and meet the anticipated electricity demands of the specific development requesting service. Future developments that require new

infrastructure/gas main extensions would be required to pay all applicable fees assessed by SCG necessary to accommodate the specific project. Natural gas services provided would be required to comply with all policies and extension rules of SCG. SCG would not allow new development projects to connect to existing gas main unless the system could maintain adequate service and supply to existing customers and meet the anticipated demands of the project requesting service. Therefore, the proposed General Plan 2035 would not result in cumulatively considerable electricity or natural gas impacts.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.22.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.22.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Electricity and natural gas impacts associated with implementation of the proposed General Plan 2035 would be less than significant with compliance with and/or adherence to Federal, State and local regulations, and goal and policies in the proposed General Plan 2035. Therefore, no significant unavoidable electricity or natural gas impacts would occur as a result of the proposed General Plan 2035.

5.22.7 SOURCES CITED

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General Plan Update

Section 6.0:
Alternatives

6.0 ALTERNATIVES

6.1 INTRODUCTION

CEQA Guidelines Section 15126.6 requires the identification and evaluation of reasonable alternatives designed to feasibly achieve the most basic objectives of the project, while avoiding or substantially lessening any of the significant environmental effects of the project. In addition, *CEQA* requires a comparative evaluation of the merits of the alternatives.

Pursuant to *CEQA Guidelines* Section 15126.6 (f)(1), factors that may be taken into account when addressing the feasibility of alternatives include, but are not limited to, site suitability, economic viability, availability of infrastructure, general plan consistency, other plans or regulatory limitations, jurisdictional boundaries, and whether the proponent can reasonably acquire, control or otherwise have access to the alternative site (or the site is already owned by the proponent). Although these factors do not present a strict limit on the scope of reasonable alternatives to be considered, they help establish the context in which "the rule of reason" is measured against when determining an appropriate range of alternatives sufficient to establish and foster meaningful public participation and informed decision-making.

GENERAL PLAN 2035 PROCESS

It is important to discuss the General Plan 2035 process, as that process lead to the selection of the preferred General Plan Land Use Diagram. The following outlines the General Plan 2035 process:

- ***Project Understanding and Initiation.*** This task involved the General Plan Team reviewing existing plans and studies, conducting site visits, and collecting new data needed for the General Plan. This task culminated in the preparation of an Existing Conditions Report.

- ***Visioning and Community Involvement.*** The first phase of community participation in the General Plan 2035 was called "visioning" because it asked the community to help define a vision of what Murrieta should be in the future. Participation opportunities included workshops and surveys, as described below. The input received from the community through these various opportunities shaped the following ten community priorities that served as the foundation for the General Plan.

Natural Environment	*Protect the natural beauty of the mountains, hills, and waterways.*
Rural Areas	*Preserve elements of Murrieta's rural heritage.*
Community Character	*Protect and foster a strong sense of community and safety, as well as the "small town" feeling.*
Recreation and Culture	*Provide abundant parks and facilities for recreational activities, and cultural amenities.*
Historic Downtown Murrieta	*Create a vibrant, prosperous Historic Downtown that serves as a community center and provides a variety of quality shopping and dining experiences.*
Governance	*Promote community involvement and provide for a fiscally sound future.*
Sustainable Economy	*Pursue economic vitality and longevity by attracting higher education and growing a base of clean industry, while maintaining the current housing affordability.*
Transportation	*Improve roadway networks to reduce traffic, and provide a citywide system of bicycle lanes and recreational trails that improve accessibility without a car.*
Infrastructure and Services	*Improve health care within the City, and continue to provide excellent school, police, fire, library, and recreation services.*
Youth Amenities	*Provide ample activities for all ages of youth, and jobs for teens.*

- ***Land Use Alternatives.*** The next major phase in the planning process considered and analyzed different scenarios for land use change, with several opportunities for community input.

  Before commencing work on the General Plan 2035, the City Council decided on four "Focus Areas" that were targeted for land use change:

  - North Murrieta Business Corridor
  - Clinton Keith/Mitchell Area

- Golden Triangle North (Central Murrieta)
- South Murrieta Business Corridor

These areas included key locations along freeway corridors that are suitable for major land development and redevelopment to carry out the City Council's economic development strategy. It also included rural residential areas north of Clinton Keith Road that are adjacent to major new development along I-215.

Through the General Plan 2035 process, three additional Focus Areas were identified:

- Multiple Use Area 3 (MU-3)
- Los Alamos Hills
- Historic Downtown Murrieta

The Focus Areas are shown on *Exhibit 3-3* in Section 3.0, Project Description.

Following the community workshops and City Council and Planning Commission joint workshops (described below), a preferred Land Use Alternative was selected for analysis in the EIR.

- ***Preparation of the General Plan Elements and Program Environmental Impact Report.*** During this phase in the General Plan process, goals and polices were developed to reflect the vision and priorities of the community. Joint City Council and Planning Commission workshops were held to provide a preview of the updated General Plan, including a review of some of the draft goals and policies (described below). Following the development of the goals and policies, an environmental review was conducted to evaluate the impacts of the policy program and the preferred land use alternative. A Draft General Plan and Draft Program EIR were developed for public review.

Community Involvement

The following provides an overview of the visioning and community involvement that occurred during the General Plan 2035 process:

- ***Outreach.*** In January 2010, the City of Murrieta kicked off an outreach campaign to raise public awareness of the General Plan 2035 process and opportunities to participate. Early outreach efforts included "information centers" at City Hall and the Library, presentations to business groups, and staffed tables at local retailers (Wal-Mart) and the City's Recreation Expo. Outreach continued throughout the process with updates to the project website, press releases, and email newsletters.

- ***Online Survey.*** Residents were invited to participate in an online survey from January 8 to February 8, 2010 and describe what about Murrieta they wanted to stay the same, the challenges they felt Murrieta needs to overcome, and their hopes for Murrieta's future (Treasures, Challenges, and Visions). There were 94 responses to the visioning survey.

- ***Workshops.*** Visioning workshops began with the same questions as the survey, asking for ideas on Treasures, Challenges, and Visions. Participants then worked in groups to provide further direction on the popular topics. Students at Vista Murrieta High School participated in a youth visioning workshop which engaged 48 students from grades 9-12 on January 22, 2010 and led students to create vision statements for Murrieta. This was followed by two workshops for the community at large, held at Murrieta Mesa High School on the evening of Thursday, January 28, 2010 and duplicated on the morning of Saturday, January 30, 2010. Over 60 people participated in these community workshops, suggesting objectives and action steps for several topics.

  A visioning workshop was held for the rural Los Alamos area on April 13, 2010. Approximately 50 participants did a Treasures, Challenges, Visions exercise and then worked in groups to write vision statements for the Los Alamos area.

- ***Feedback on Community Priorities.*** A summary of the initial visioning input was placed online and provided a detailed description of participation in the survey and workshops. In that summary, the General Plan Team distilled all input into several "community priorities" for the future of Murrieta. The public was then asked to provide feedback on these community priorities through a second online survey and a room-wide polling exercise at the land use workshop on March 27, 2010.

  A Community Vision Report presented the ten final community priorities, a summary of visioning activities, and verbatim input from the community. The report was posted on the General Plan 2035 website.

- ***Land Use Alternatives Workshops.*** Development of the land use alternatives involved several community and joint City Council and Planning Commission workshops.

COMMUNITY WORKSHOPS

The General Plan Team sought input on land use changes in five Focus Areas from local residents, property owners, and other stakeholders by holding a series of land use workshops from March to June 2010. A community workshop was held on March 27, 2010 in which participants worked in groups to provide general direction on land use in the Focus Areas anticipated for land use changes.

Local meetings were held in each of the Focus Areas to discuss land use in those areas. Formats of these meetings were tailored to the needs for each area. Generally, the first meeting for each area asked participants for open-ended input on land use, and a follow-up meeting presented land use alternatives for additional feedback. These meetings were held as follows:

- North Murrieta Business Corridor – March 23 and June 2, 2010
- Clinton Keith/Mitchell – March 25 and June 8, 2010

- South Murrieta Business Corridor – March 29, 2010
- Multiple Use 3 (MU-3) Area – April 22 and June 7, 2010
- Golden Triangle North – May 3 and June 10, 2010

The input received at those meetings, and submitted in writing, was summarized in the Land Use Summary Report: Community Workshop and Land Use Area Meetings, which was posted on the General Plan 2035 website.

CITY COUNCIL AND PLANNING COMMISSION WORKSHOPS

Joint meetings of the City Council and Planning Commission were held on June 23, 2010 and July 6, 2010, so that these officials could review a series of land use alternatives for the five Focus Areas targeted for land use change, consider community comments, and provide direction to City Staff and the General Plan Team on a Recommended Land Use Alternative.

- ***Goals and Policies/General Plan Drafts Workshops.*** A community workshop and two joint City Council and Planning Commission workshops were held to obtain input of the draft goals and policies.

"GOALS FOR A HEALTHY MURRIETA" WORKSHOP

A public workshop on October 21, 2010 had the dual purpose of obtaining direction on General Plan 2035 goals and hearing ideas on how Murrieta can be a healthy community. A brief presentation at the beginning of the workshop reviewed the purpose and progress of the General Plan 2035. The presentation then described the relationships between the built environment and health, and provided information on health in Murrieta. Groups of participants were asked to write goals that could help the City to achieve the Community Priorities derived in the visioning process, and to suggest ways to promote health while pursuing those goals.

CITY COUNCIL AND PLANNING COMMISSION WORKSHOPS

Two joint workshops of the City Council and Planning Commission were held on November 30, 2010 and January 11, 2011 to provide a preview of the major features of the updated General Plan, in anticipation of the release of the public review draft. Presentations at these workshops reviewed some of the draft goals and policies, and introduced the concept of separating the land use map from the zoning map. Public comments were received at both workshops.

Determination of Alternatives to Be Analyzed

Key factors used to determine the range of feasible alternatives to the proposed General Plan 2035 include the objectives established for the EIR process, the City Council's number one priority of Economic Development, and the community values and vision for the General Plan 2035.

The basic objectives of the proposed General Plan 2035 and General Plan EIR are set forth specifically and in detail in Section 3.3, Statement of Objectives. Section 3.2, Background, provides the framework for the economic development foundation for the General Plan 2035, and is summarized in the following sentences. The City Council established a Comprehensive Economic Development Strategy in October 2008, making economic development of Murrieta the number one priority for the City. The Strategy served as one of the key factors to initiate a comprehensive General Plan Update. The update process involved a number of steps, including but not limited to, visioning and community involvement that led to the establishment of ten community priorities; a complete revision to all the elements, and the addition of new elements. The community priorities are reflected throughout the General Plan 2035, and have been previously stated in this Section. The land use alternatives for the General Plan Update were developed based upon the City Council's number one priority along with the City's goal to revitalize and make Murrieta a regional hub of economic activity. Both of these served as key driving factors for the update and ultimately to the City Council and Planning Commission selection of a Recommend Land Use Scenario and two additional alternatives (Scenario A and Scenario B). The land use changes identified in the Land Use Element that make way for this revitalization and economic activity are the cornerstones of General Plan 2035.

With these factors in mind, the following alternatives have been identified for detailed analysis in this section:

- No Project/Existing General Plan
- Scenario A
- Scenario B

ALTERNATIVES ANALYSIS

Potentially significant impacts that would result from implementation of the proposed General Plan 2035 are identified in Section 5.0, Environmental Analysis, which indicates that the proposed General Plan 2035 would result in significant and unavoidable impacts related to:

- *Traffic*
  - Roadway Segments Exceeding LOS Standards (LOS D, E, or F) – Project and Cumulative Impacts
  - Intersections Exceeding LOS Standards (LOS D, E, or F) – Project and Cumulative Impacts

- ***Air Quality***
  - Short-Term Construction Emissions – Project and Cumulative Impacts
  - Long-Term Mobile and Stationary Source Emissions – Project and Cumulative Impacts

- ***Noise***
  - Cumulative Long-Term Operation Noise Impacts

- ***Parks and Recreation Facilities***
  - Parks and Recreational Facilities – Project and Cumulative Impacts

Implementation of the identified goals, policies, or mitigation measures can mitigate all other potentially significant impacts to less than significant levels. This section considers alternatives to otherwise avoid or minimize these impacts.

A description of each alternative and a comparative environmental evaluation to the impacts identified for the proposed General Plan 2035 is provided below. The evaluation is followed by a conclusion.

6.2 NO PROJECT/EXISTING GENERAL PLAN ALTERNATIVE

6.2.1 DESCRIPTION

As required by *CEQA Guidelines* Section 15126.6 (e), the No Project/Existing General Plan Alternative describes buildout of the City of Murrieta in accordance with existing zoning and General Plan land use designations and policies of the current General Plan, which was adopted in 1994 with amendments in 2006 (refer to *Exhibit 5.1-3*, *Existing General Plan/Zoning Map*). This Alternative assumes that the existing General Plan would continue to provide outdated information regarding several issues, such as land uses, traffic conditions, community noise levels, air quality data, public services and utilities levels of service, and population, employment and housing.

This Alternative assumes that ultimate buildout of the existing General Plan would occur. The No Project/Existing General Plan Alternative encompasses the same geographic area as that in the proposed General Plan 2035. The General Plan 2035 proposes the revisions to the Existing General Plan, as outlined in Section 3.5.1, Components of the Proposed General Plan 2035.

6.2.2 IMPACT EVALUATION

LAND USE

Two objectives of the proposed General Plan 2035 are to provide comprehensive and concise land use designations that better reflect the land use vision for the City and to update the General Plan development projections to the year 2035. The No Project/Existing General Plan Alternative land use designations do not adequately address the development patterns and land use vision for the City. Further, this Alternative does not include a land use plan that reflects the current development projections for future years. Under the No Project/Existing General Plan Alternative, the existing Land Use Element would continue to provide outdated information that does not reflect the current conditions or goals of the City. This Alternative would prevent the City from achieving some of the core objectives of the 2035 General Plan, including economic revitalization, job creation, and healthy community goals. The proposed General Plan 2035 revises and updates the existing Land Use Element, including establishing Focus Areas for future growth that reflect the economic development priorities of the City. The General Plan 2035 proposes removal of the MU-1, MU-2, and MU-3 land use and zoning designations and the introduction of a mixed-use land use designation. The proposed General Plan 2035 provides updated land use information for the City, including land uses that have changed over time and may not be reflective of the existing General Plan's land use designations. It establishes the policy foundation to address current and anticipated buildout conditions over the next 25 years. The existing inconsistency impact with the *Riverside County Airport Land Use Compatibility Plan* associated with the French Valley Airport would continue to occur with this Alternative, as no new policies would be included to address the inconsistency.. In this regard, the No Project/Existing General Plan Alternative is considered environmentally inferior to the proposed General Plan 2035.

POPULATION, HOUSING, AND EMPLOYMENT

Two objectives of the proposed General Plan 2035 are to update the City's environmental baseline conditions to 2009 and to update the General Plan development projections to the year 2035 for dwelling units, non-residential square footage, population, and employment. The No Project/Existing General Plan Alternative does not reflect the most current population, employment, and housing numbers or projections, nor does it provide quantitative population, employment, and housing projections for future years. The existing General Plan was adopted in 1994 with amendments in 2006, and therefore does not address current conditions or plan for anticipated growth within the City over the next 25 years. In contrast, the proposed General Plan 2035 reflects the current priorities of the City, including economic development and increased employment opportunities within the City. The No Project/Existing General Plan Alternative does not provide for the type and intensity of non-residential development within specific Focus Areas of the City in order to achieve these priorities to the extent of the General Plan 2035. Further, the jobs/housing balance would not be improved to the extent of the General Plan 2035.

Therefore, the No Project/Existing General Plan Alternative is considered environmentally inferior to the proposed General Plan 2035 in this regard.

AESTHETICS

Both the No Project/Existing General Plan Alternative and the General Plan 2035 would encourage preservation of existing residential neighborhoods within the City. Vacant land within the City comprises approximately 7,291 acres, representing approximately 34 percent of the City's acreage. The proposed General Plan 2035 has identified Focus Areas within the City for development, which includes areas of vacant land. New development within these areas would change the character of the areas and their surroundings. It is anticipated that similar areas would be developed under the No Project/Existing General Plan Alternative resulting in changes to the existing character of the areas. However, the proposed General Plan 2035 would involve land use changes within these areas to provide for more consistent and compatible development, while allowing for the City's economic development priorities to be achieved. The No Project/Existing General Plan Alternative does not provide the framework and focused vision to address the visual character of future development within the City to the extent of the proposed General Plan 2035. The proposed General Plan 2035 establishes policies that address the desired character of development within these areas. Thus, the No Project/Existing General Plan Alternative is considered environmentally inferior to the Proposed General Plan 2035 in this regard.

TRAFFIC AND CIRCULATION

Levels of service associated with the No Project/Existing General Plan Alternative were calculated for both roadway segments and intersections (refer to Appendix C for the detailed traffic impact analysis). Two scenarios were modeled: without the extension of Whitewood Road between Jackson Avenue and Murrieta Hot Springs Road in place; and with the extension of Whitewood Road between Jackson Avenue and Murrieta Hot Springs Road in place.

Roadway Segments – Without the Whitewood Road Extension

Using the No Project/Existing General Plan buildout scenario daily traffic volumes and the maximum daily roadway capacity values, daily volume-to-capacity ratios have been determined for the scenario without the Whitewood Road extension. Several roadway segments are projected to operate at an unacceptable level of service (LOS D, E, or F) per the City of Murrieta's LOS standards; refer to Appendix C, Figure 12. The roadway segments generally include, but are not limited to:

Level of Service D

- Portions of Jefferson Avenue, Whitewood Road, Winchester Road, and Washington Avenue.

Level of Service E

- Portions of Jefferson Avenue, Monroe Avenue, Jackson Avenue, Alta Murrieta Drive, and Clinton Keith Road.

Level of Service F

- Portions of Jefferson Avenue, Clinton Keith Road, California Oaks Road, Los Alamos Road, Hancock Avenue, Winchester Road, Menifee Road, and Kalmia Street.

Roadway Segments – With the Whitewood Road Extension

Using the No Project/Existing General Plan buildout scenario daily traffic volumes and the maximum daily roadway capacity values, daily volume-to-capacity ratios have been determined for the scenario with the Whitewood Road extension in place. The following roadway segments are projected to operate at an unacceptable level of service (LOS D, E, or F) per the City of Murrieta's Level of Service standards; refer to Appendix C, Figure 14. The roadway segments generally include, but are not limited to:

Level of Service D

- Portions of Madison Avenue, Jefferson Avenue, Guava Street, Hancock Avenue, California Oaks Road, and Monroe Avenue.

Level of Service E

- Portions of Jefferson Avenue, California Oaks Road, Clinton Keith Road, Murrieta Hot Springs Road, Winchester Road, Menifee Road, and Hancock Road.

Level of Service F

- Portions of Murrieta Hot Springs Road, Jefferson Avenue, Clinton Keith Road, Winchester Road, Los Alamos Road.

Intersections

Under the No Project/Existing General Plan Alternative, all future study intersections are projected to operate at LOS D or better with the exception of the following 15 intersections:

- Menifee Road/Scott Road
- Winchester Road - SR-79/Scott Road
- Antelope Road/Keller Road
- Whitewood-Meadowlark/Golden City Drive – Baxter Road
- I-215 NB Off-Ramp/Clinton Keith Road
- Meadowlark – Whitewood Road/Clinton Keith Road
- Winchester Road - SR-79/Benton Road
- Jefferson Avenue/Murrieta Hot Springs Road
- Madison Avenue/Murrieta Hot Springs Road
- Jefferson Avenue/Kalmia Street

- Winchester Road (SR-79)/Murrieta Hot Springs Road
- Hancock Avenue/Los Alamos Road
- I-215 SB Ramps/Los Alamos Road
- Whitewood Road/Murrieta Hot Springs Road
- Nutmeg Street/Clinton Keith Road

As indicated in Section 5.4, Traffic and Circulation, 18 study intersections would operate at an unacceptable LOS under the proposed General Plan 2035. With intersection improvements, 16 intersections would continue to operate at an unacceptable LOS based upon the City's performance criteria under the proposed General Plan 2035. Thus, fewer impacts would occur under the No Project/Existing General Plan Alternative when compared to the proposed General Plan 2035.

The proposed General Plan 2035 encourages new and/or improved transit operations within the City, as well as accessibility between major uses and users. Other alternative modes of transportation, including walking and biking are also encouraged. The Circulation Element of the proposed General Plan 2035 identifies the provision of a multi-modal circulation system with accessibility to all users as a key goal. The General Plan 2035 proposes policies that would support and encourage the use of alternative transportation and ensure that adequate alternative transportation is available to serve demand. Although the No Project/Existing General Plan Alternative provides goals and policies to support and encourage alternative modes of transportation, it does not do so to the extent of the proposed General Plan 2035. However, since the number of deficient intersections would be less with the No Project/Existing General Plan Alternative when compared to the General Plan 2035, this Alternative is considered environmentally superior to the proposed General Plan 2035.

AIR QUALITY

The No Project/Existing General Plan Alternative would allow for new development on existing vacant land or through redevelopment of currently developed land, similar to the proposed General Plan 2035. Although the amount and intensity of development would be greater under the proposed General Plan 2035, development under either the No Project/Existing General Plan Alternative or the proposed General Plan 2035 would result in significant unavoidable impacts related to construction-related emissions, regional operational emissions, AQMP consistency, and cumulative construction and operational impacts. All other air quality impacts associated with the proposed General Plan 2035 and No Project/Existing General Plan Alternative can be mitigated to less than significant levels. However, the proposed General Plan 2035 land use plan and goals and policies provide for greater opportunities to protect and improve air quality, including updated goals and policies that reflect current regulatory requirements, as well as providing opportunities for a better jobs/housing balance to reduce vehicle miles traveled, encouraging energy conservation and new and expanded regional and local transit opportunities, and providing future opportunities to developed mixed-use and transit-oriented developments. Thus, the No Project/Existing General Plan Alternative is considered environmentally inferior to the proposed General Plan 2035 in this regard.

GREENHOUSE GAS EMISSIONS

In accordance with AB 32, the City would be required to reduce GHG emissions to 1990 levels by 2020. Development pursuant to the No Project/Existing General Plan Alternative would result in additional GHG emissions with future development, similar to the proposed General Plan 2035. The City has prepared a Climate Action Plan (CAP) as part of the proposed General Plan 2035 to address GHG emissions reduction within the City. The strategies identified in the CAP contain emission reduction measures from municipal and non-municipal operations. These measures are consistent with and build upon the goals and policies within the proposed General Plan 2035. The strategies identified in the CAP would achieve the desired reduction target of 15 percent below baseline levels by 2020 under the proposed General Plan 2035. Since the No Project/Existing General Plan Alternative does not include goals and policies that would address GHG emissions reductions within the City to the extent of the proposed General Plan 2035, it is possible that the City would not meet its reduction targets of AB 32 under this Alternative, resulting in a significant impact. Thus, the No Project/Existing General Plan Alternative is considered environmentally inferior to the proposed General Plan 2035 in this regard.

NOISE

The No Project/Existing General Plan Alternative would allow for new development on existing vacant land or through redevelopment of currently developed land, similar to the proposed General Plan 2035. Although the amount and intensity of development would be greater under the proposed General Plan 2035, development under either the No Project/Existing General Plan Alternative or the proposed General Plan 2035 would result in additional noise from construction activities and the resulting increase in traffic associated with future development. Cumulative long-term operational noise impacts would be significant and unavoidable due to anticipated City growth, along with cumulative growth in the Sphere of Influence and outside the City. Thus, the No Project/Existing General Plan Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

GEOLOGY AND SEISMIC HAZARDS

Development under either the No Project/Existing General Plan Alternative or the proposed General Plan 2035 would potentially result in new development (i.e., new residential and non-residential land uses), thereby resulting in an increase in population. Potential new development would be located throughout the City and would result in a larger number of structures/people potentially exposed to substantial adverse effects associated with severe ground shaking or ground failure. However, impacts related to geologic and seismic hazards associated with either the No Project/Existing General Plan Alternative or the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with building codes and standards and the goals and policies of the proposed General Plan 2035. However, it should be noted that the No Project/Existing General Plan Alternative would involve the development of fewer residential units and non-residential square footage than the proposed General Plan 2035.

Therefore, the number of people or structures that would potentially be exposed to seismic hazards would be reduced with this Alternative. Therefore, the No Project/Existing General Plan Alternative would be considered environmentally superior to the proposed General Plan 2035 in this regard.

CULTURAL RESOURCES

The No Project/Existing General Plan Alternative and proposed General Plan 2035 would allow for new development on existing vacant land. Therefore, potential impacts to known or unknown/undiscovered historical, archaeological, or paleontological resources would be similar under the No Project/Existing General Plan Alternative or the proposed General Plan 2035. However, impacts related to cultural resources associated with either the No Project/Existing General Plan Alternative or the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with the goals and policies of the No Project/Existing General Plan Alternative or proposed General Plan 2035, respectively and mitigation measures. Therefore, the No Project/Existing General Plan Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

BIOLOGICAL RESOURCES

The No Project/Existing General Plan Alternative and proposed General Plan 2035 would allow for new development of vacant land or through redevelopment of currently developed land that may contain biological resources. Therefore, potential impacts to habit modifications of any species identified as sensitive or special status species, riparian habitat, sensitive natural communities, federally protected wetlands, movement of native resident or migratory fish or wildlife species would be similar under the No Project/Existing General Plan Alternative or the proposed General Plan 2035. It is anticipated that impacts related to biological resources associated with either the No Project/Existing General Plan Alternative or the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with the current regulatory requirements and the goals and policies of the No Project/Existing General Plan Alternative or proposed General Plan 2035, respectively. Therefore, the No Project/Existing General Plan Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

AGRICULTURAL RESOURCES

Future development under the No Project/Existing General Plan Alternative and proposed General Plan 2035 may involve parcels of land currently operating for agricultural purposes or identified for agricultural production. Therefore, potential impacts to prime farmland, unique farmland, farmland of statewide importance, or Williams Act contracts would be similar under the No Project/Existing General Plan Alternative or the proposed General Plan 2035. It is anticipated that impacts related to agricultural resources associated with either the No Project/Existing General Plan Alternative or the proposed General Plan 2035 would be less than

significant. However, the proposed General Plan 2035 provides better protection and promotion of agricultural resources and activities, including the promotion of urban agriculture, when compared to the No Project/Existing General Plan Alternative. Therefore, the No Project/Existing General Plan Alternative is considered environmentally inferior to the proposed General Plan 2035 in this regard.

MINERAL RESOURCES

Future development under the No Project/Existing General Plan Alternative and proposed General Plan 2035 may involve lands that contain unknown mineral resources. Therefore, potential impacts to mineral resources would be similar under the No Project/Existing General Plan Alternative or the proposed General Plan 2035. It is anticipated that impacts related to mineral resources associated with either the No Project/Existing General Plan Alternative or the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goals and policies of the No Project/Existing General Plan Alternative or the proposed General Plan 2035, respectively. Therefore, the No Project/Existing General Plan Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

HYDROLOGY, DRAINAGE, AND WATER QUALITY

The No Project/Existing General Plan Alternative and proposed General Plan 2035 would potentially allow for new development on existing vacant land, resulting in increased population and development that could result in hydrology, drainage, or water quality impacts. The proposed General Plan 2035 would allow for greater development when compared to the No Project/Existing General Plan Alternative, resulting in increased hydrology, drainage and water quality impacts. Buildout of the proposed General Plan 2035 would involve greater development and greater demand for groundwater resources due to increased growth and decreased reliance of imported water supplies, when compared to the No Project/Existing General Plan Alternative. The Conservation Element of the proposed General Plan 2035 includes goals and policies that address stormwater management and water quality to ensure that potential impacts would be reduced. These policies provide for increased protection and provide updated and current information regarding stormwater and water quality requirements. However, compliance with the regulatory requirements and existing goals and policies would reduce impacts to a less than significant level under the No Project/Existing General Plan Alternative. Since the No Project/Existing General Plan Alternative would allow for less development than the proposed General Plan 2035, the No Project/Existing General Plan Alternative is considered environmentally superior to the proposed General Plan 2035 in this regard.

HAZARDS AND HAZARDOUS MATERIALS

Implementation of the No Project/Existing General Plan Alternative or the proposed General Plan 2035 would potentially result in the expansion or development of facilities that could impact the health and safety of Murrieta residents and employees. Both the No Project/Existing General Plan Alternative and the proposed General Plan 2035 provide goals and policies to reduce the potential threat associated with hazardous material use, disposal, and transport. The MU-3 designation that occurs under the No Project/Existing General Plan Alternative currently allows for the development of mixed-uses, including the placement of residential and non-residential uses in proximity to each other. These non-residential uses may involve the storage and/or use of hazardous materials. Although the MU-3 designation would be removed as part of the proposed General Plan 2035, the General Plan 2035 proposes a mixed-use land use designation that would allow for mixed-use development in the future, including the placement of residential and non-residential uses in proximity to each other. The General Plan 2035 proposes new policies to address the potential for hazards and hazardous materials impacts associated with mixed-use developments and the protection of residential uses. Thus, the General Plan 2035 would provide for better protection related to potential hazards and hazardous materials impacts associated with mixed-use developments when compared to the No Project/Existing General Plan Alternative. Therefore, the No Project/Existing General Plan Alternative is considered environmentally inferior to the proposed General Plan 2035 in this regard.

PUBLIC SERVICES AND UTILITIES

The No Project/Existing General Plan Alternative does not represent the true level of service demand based on current conditions. Implementation of the proposed General Plan 2035 would provide a comprehensive inventory of existing public services and utilities and the levels of service provided to the City. Growth associated with the proposed General Plan 2035 would exceed the growth anticipated with the No Project/Existing General Plan Alternative. Therefore, the level of service and demand for service would be less with the No Project/Existing General Plan Alternative than the proposed General Plan 2035. However, with the exception of parks and recreational facilities, goals and policies in the proposed General Plan 2035 would reduce potential impacts to a less than significant level. Impacts to parks and recreational facilities would be significant and unavoidable with the No Project/Existing General Plan Alternative and the proposed General Plan 2035. Thus, the No Project/Existing General Plan Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

CONCLUSION

The No Project/Existing General Plan Alternative would result in similar environmental impacts as the proposed General Plan 2035 for noise, cultural resources, biological resources, mineral resources, and public services and utilities. However, this Alternative may generate higher

impacts than the proposed General Plan 2035 with respect to land use, population, housing, and employment, aesthetics, air quality, greenhouse gas emissions, agricultural resources, and hazards and hazardous materials. This Alternative would generate fewer impacts than the proposed General Plan 2035 with respect to traffic and circulation, geology and seismic hazards, and hydrology, drainage, and water quality. It is the intent of the proposed General Plan 2035 to provide new information based on current conditions within the City and to provide goals and policies that address current conditions. The conditions evaluated under the No Project/Existing General Plan Alternative would not serve the City as effectively as the proposed General Plan 2035 and provides environmental data that is inferior to the proposed General Plan 2035. Additionally, the No Project/Existing General Plan Alternative would not provide the land use plan and policy direction to achieve the core economic development objectives of the General Plan 2035, which focuses on guiding the development of vacant land, specifically focusing on opportunities for economic development within key Focus Areas. To achieve this vision, the City seeks to encourage private sector investment in the creation of higher paying jobs, income, and wealth through economic diversification. The City is focusing its efforts to attract a variety of businesses and industries, higher educational institutions, and health care facilities. A full range of quality new development would be part of this effort, including retail centers, corporate/technology parks, hotels, and upscale restaurants that would be supported by the proposed General Plan 2035.

6.3 SCENARIO A ALTERNATIVE

6.3.1 DESCRIPTION

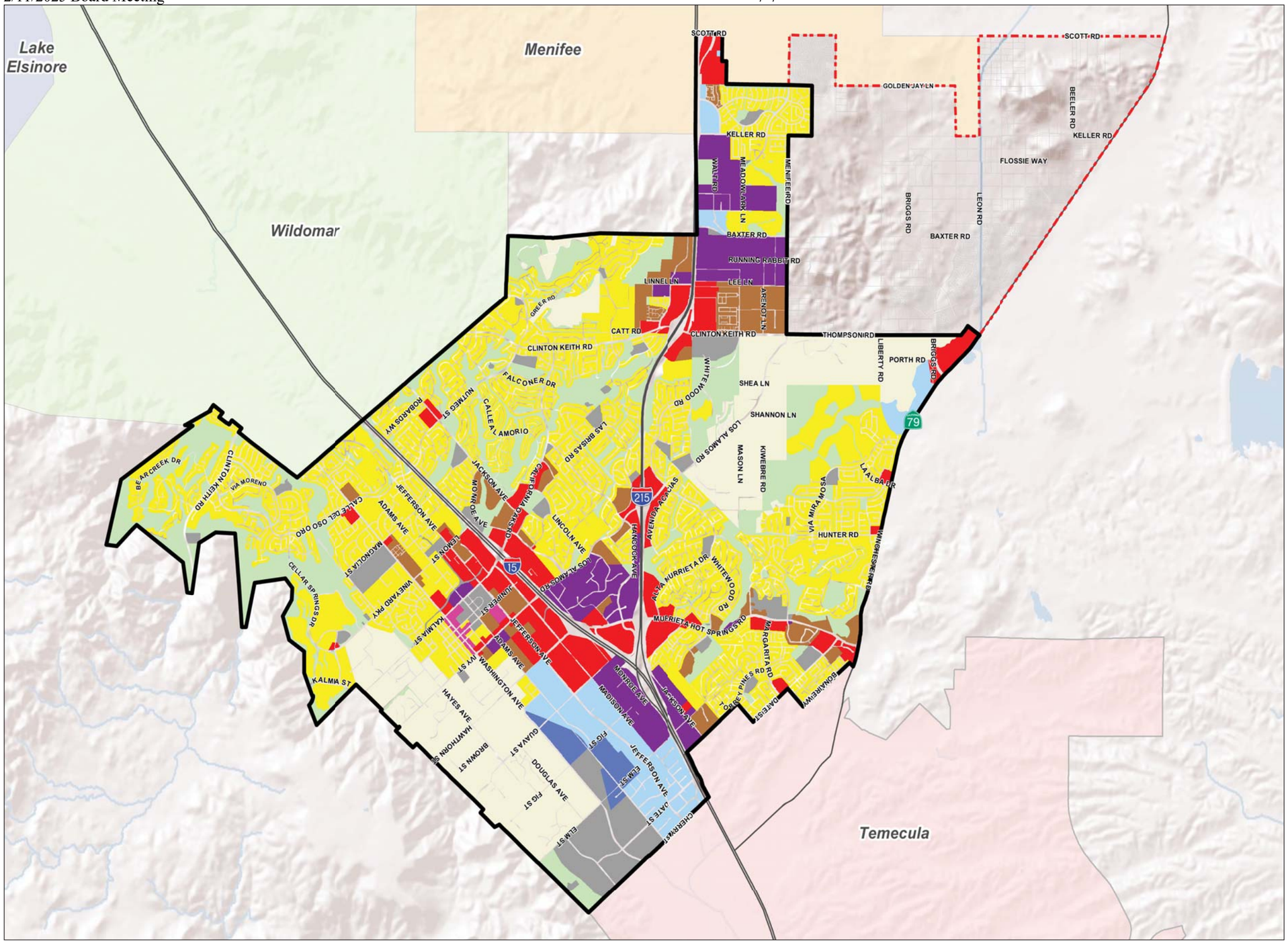
The Scenario A Alternative assumes that the proposed General Plan 2035, including all goals and policies would be adopted; however, the land use plan within the Clinton Keith/Mitchell, North Murrieta Business Corridor, and Multiple Use Area 3 (MU-3) Focus Areas would provide for greater residential dwelling units and less non-residential square footage when compared to the proposed General Plan 2035 (refer to *Exhibit 6-1*, *Scenario A Alternative*). Citywide growth and anticipated growth within the remaining Focus Areas would be the same for both the Scenario A Alternative and the proposed General Plan 2035.

The anticipated growth over existing conditions within the Focus Areas with the Scenario A Alternative would be:

- 10,890 dwelling units; and
- 18,333,890 square feet of non-residential uses.

When compared to the proposed General Plan 2035, the Scenario A Alternative would result in the following within the Focus Areas:

- 7,544 more dwelling units; and
- 2,822,894 fewer square feet of non-residential uses.



Source: City of Murrieta.

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General Plan 2035 Land Use Alternative - Scenario A

Exhibit 6-1

Back of 11 x 17 exhibit.

6.3.2 IMPACT EVALUATION

LAND USE

As with the proposed General Plan 2035, the Scenario A Alternative revises and updates the existing Land Use Element, including establishing Focus Areas for future growth that reflect the economic development priorities of the City. The Scenario A Alternative proposes removal of the MU-1, MU-2, and MU-3 land use and zoning designations and the introduction of a mixed-use land use designation, similar to the proposed General Plan 2035. The Scenario A Alternative provides updated land use information for the City, including land uses that have changed over time and may not be reflective of the existing General Plan's land use designations. It establishes the policy foundation to address current and anticipated buildout conditions over the next 25 years. The Scenario A Alternative would involve changes to land use designations that would allow for the development of additional multiple-family residential uses within the Clinton Keith/Mitchell and North Murrieta Business Corridor Focus Areas, when compared to the General Plan 2035. These land use changes would continue to provide consistent and compatible development within the City and be consistent with Federal, State, and regional plans, policies, or regulations, similar to the proposed General Plan 2035. Similar to the proposed General Plan 2035, this Alternative would provide additional land use policies for consistency with the *Riverside County Airport Land Use Compatibility Plan* associated with the French Valley Airport. The Scenario A Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035.

POPULATION, HOUSING AND EMPLOYMENT

The Scenario A Alternative would update the City's environmental baseline conditions to 2009 and update the General Plan development projections to the year 2035, similar to the General Plan 2035. Development projections include projections for dwelling units, non-residential square footage, population, and employment. The Scenario A Alternative would provide the most current population, housing, and employment numbers or projections, and quantitative population, employment, and housing projections for future years. Although the Scenario A Alternative reflects the current priorities of the City, including economic development and increased employment opportunities within the City, it does not provide the amount of non-residential development to achieve these priorities to the extent of the proposed General Plan 2035. The Scenario A Alternative would provide for greater residential development (7,544 more dwelling units) and decreased non-residential development (2,822,894 fewer square feet of non-residential uses) when compared to the proposed General Plan 2035. As indicated in Section 5.2, Population, Housing, and Employment and Section 7.0, Other CEQA Considerations, potential buildout of the proposed General Plan 2035 would result in 44,484 dwelling units and 130,153 jobs, resulting in a jobs/housing ratio of approximately 2.9. A ratio of 1.0 or greater generally indicates that a City provides adequate employment opportunities, potentially allowing its residents to work within the City. A desirable jobs/housing balance improves regional mobility (traffic), reduces vehicle miles traveled, and improves air quality.

Potential buildout of the Scenario A Alternative would result in 44,640 dwelling units and 118,783 jobs, resulting in a jobs/housing ratio of approximately 2.7. Although the Scenario A Alternative would provide an improved jobs/housing balance over existing conditions, it would not be improved to the extent of the proposed General Plan 2035. Therefore, the Scenario A Alternative is considered environmentally inferior to the proposed General Plan 2035 in this regard.

AESTHETICS

Both the Scenario A Alternative and the proposed General Plan 2035 would encourage preservation of existing residential neighborhoods within the City. Vacant land within the City comprises approximately 7,291 acres, representing approximately 34 percent of the City's acreage. Similar to the proposed General Plan 2035, the Scenario A Alternative would involve development of Focus Areas, which includes areas of vacant land. New development within these areas would change the character of the areas and their surroundings. Both the Scenario A Alternative and proposed General Plan 2035 would involve land use changes within these areas to provide for more consistent and compatible development, while allowing for the City's economic development priorities to be achieved. The Scenario A Alternative would provide the framework and focused vision to address the visual character of future development within the City, similar to the proposed General Plan 2035. The Scenario A Alternative establishes policies that address the desired character of development within these areas. Thus, the Scenario A Alternative is considered neither environmentally superior nor inferior to the Proposed General Plan 2035 in this regard.

TRAFFIC AND CIRCULATION

The Scenario A Alternative would allow for similar development identified for the Scenario B Alternative (described below). The land use plan for both the Scenario A and Scenario B Alternatives would provide for greater residential dwelling units and less non-residential square footage within the Clinton Keith/Mitchell, North Murrieta Business Corridor, and Multiple Use Area 3 (MU-3) Focus Areas when compared to the proposed General Plan 2035. The Scenario A Alternative would allow for slightly more residential and non-residential growth than the Scenario B Alternative. Based on the similar land use plans and development potential identified for the Scenario A and Scenario B Alternatives, it is anticipated that similar roadway and intersection impacts would occur. Therefore, potential buildout under the Scenario A Alternative would result in several roadway segments and intersections to operate at an unacceptable LOS based on the City of Murrieta's performance standards.

As indicated in Section 5.4, Traffic and Circulation, 18 study intersections would operate at an unacceptable LOS under the proposed General Plan 2035. With intersection improvements, 16 intersections would continue to operate at an unacceptable LOS based upon the City's performance criteria under the proposed General Plan 2035. Since many of the same intersections would operate at an unacceptable LOS under both the Scenario A Alternative and

the proposed General Plan 2035, it is assumed that with intersection improvements identified for the proposed General Plan 2035, similar impacts would remain under the Scenario A Alternative.

As with the proposed General Plan 2035, the Scenario A Alternative encourages new and/or improved transit operations within the City, as well as accessibility between major uses and users. Other alternative modes of transportation, including walking and biking are also encouraged. The Circulation Element identifies the provision of a multi-modal circulation system with accessibility to all users as a key goal. The Scenario A Alternative proposes policies that would support and encourage the use of alternative transportation and ensure that adequate alternative transportation is available to serve demand. The Scenario A Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

AIR QUALITY

The Scenario A Alternative would allow for new development on existing vacant land or through redevelopment of currently developed land, similar to the proposed General Plan 2035. Development under either the Scenario A Alternative or the proposed General Plan 2035 would result in significant unavoidable impacts related to construction-related emissions, regional operational emissions, AQMP consistency, and cumulative construction and operational impacts. All other air quality impacts associated with the proposed General Plan 2035 and Scenario A Alternative can be mitigated to less than significant levels. Thus, the Scenario A Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

GREENHOUSE GAS EMISSIONS

In accordance with AB 32, the City would be required to reduce GHG emissions to 1990 levels by 2020. Development pursuant to the Scenario A Alternative would result in additional GHG emissions with future development, similar to the proposed General Plan 2035. The City has prepared a Climate Action Plan (CAP) as part of the proposed General Plan 2035 to address GHG emissions reduction within the City, which would also be applicable to this Alternative. The strategies identified in the CAP contain emission reduction measures from municipal and non-municipal operations. These measures are consistent with and build upon the goals and policies within the proposed General Plan 2035. The strategies identified in the CAP would achieve the desired reduction target of 15 percent below baseline levels by 2020. Therefore, similar to the proposed General Plan 2035, the Scenario A Alternative would be consistent with the reduction targets of AB 32, resulting in a less than significant impact. Thus, the Scenario A Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

NOISE

The Scenario A Alternative would allow for new development on existing vacant land or through redevelopment of currently developed land, similar to the proposed General Plan 2035. Development under either the Scenario A Alternative or the proposed General Plan 2035 would result in additional noise from construction activities and the resulting increase in traffic associated with future development. Similar to the proposed General Plan 2035, cumulative long-term operational noise impacts would be significant and unavoidable with the Scenario A Alternative due to the redistribution of traffic on City streets due to the change in land uses and anticipated City growth, along with cumulative growth in the Sphere of Influence and outside the City. All other noise impacts can be mitigated to less than significant levels. Thus, the Scenario A Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

GEOLOGY AND SEISMIC HAZARDS

Development under the Scenario A Alternative or the proposed General Plan 2035 would potentially result in new development (i.e., new residential and non-residential land uses), thereby resulting in an increase in population. Potential new development would be located throughout the City and would result in a larger number of structures/people potentially exposed to substantial adverse effects associated with severe ground shaking or ground failure. However, compliance with building codes and standards would reduce impacts to a less than significant level. Although the Scenario A Alternative would allow for development of more residential units when compared to the proposed General Plan 2035, it would allow for less non-residential development. Therefore, the potential impacts associated with the number of people or structures potentially exposed to seismic hazards would be similar with this Alternative. Therefore, the Scenario A Alternative would be considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

CULTURAL RESOURCES

The Scenario A Alternative and proposed General Plan 2035 would allow for new development on existing vacant land. Therefore, potential impacts to known or unknown/undiscovered historical, archaeological, or paleontological resources would be similar under the Scenario A Alternative or the proposed General Plan 2035. However, impacts related to cultural resources associated with either the Scenario A Alternative or the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with the goals and policies of the proposed General Plan 2035 and mitigation measures. Therefore, the Scenario A Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

BIOLOGICAL RESOURCES

The Scenario A Alternative and proposed General Plan 2035 would allow for new development of vacant land or through redevelopment of currently developed land that may contain biological resources. Therefore, potential impacts to habit modifications of any species identified as sensitive or special status species, riparian habitat, sensitive natural communities, federally protected wetlands, movement of native resident or migratory fish or wildlife species would be similar under the Scenario A Alternative or the proposed General Plan 2035. It is anticipated that impacts related to biological resources associated with either the Scenario A Alternative or the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with the current regulatory requirements and the goals and policies of the proposed General Plan 2035. Therefore, the Scenario A Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

AGRICULTURAL RESOURCES

Future development under the Scenario A Alternative and proposed General Plan 2035 may involve parcels of land currently operating for agricultural purposes or identified for agricultural production. Therefore, potential impacts to prime farmland, unique farmland, farmland of statewide importance, or Williams Act contracts would be similar under the Scenario A Alternative or the proposed General Plan 2035. It is anticipated that impacts related to agricultural resources associated with either the Scenario A Alternative or the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goals and policies of the proposed General Plan 2035. Therefore, the Scenario A Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

MINERAL RESOURCES

Future development under the Scenario A Alternative and proposed General Plan 2035 may involve lands that contain unknown mineral resources. Therefore, potential impacts to mineral resources would be similar under the Scenario A Alternative or the proposed General Plan 2035. It is anticipated that impacts related to mineral resources associated with either the Scenario A Alternative or the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goals and policies of the proposed General Plan 2035. Therefore, the Scenario A Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

HYDROLOGY, DRAINAGE, AND WATER QUALITY

The Scenario A Alternative and proposed General Plan 2035 would potentially allow for new development on existing vacant land, resulting in increased population and development that could result in hydrology, drainage, or water quality impacts. Buildout under either the Scenario A Alternative or the proposed General Plan 2035 would result in increased demand for

groundwater resources due to increased growth and decreased reliance of imported water supplies. The Conservation Element includes goals and policies that address stormwater management and water quality to ensure that potential impacts would be reduced, which would be applicable to this Alternative. Additionally, the proposed General Plan 2035 provides updated and current information regarding stormwater and water quality requirements. Since the Scenario A Alternative and the proposed General Plan 2035 would provide for increased development Citywide and within the Focus Areas that would potentially impact hydrology, drainage, and water quality, the Scenario A Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

HAZARDS AND HAZARDOUS MATERIALS

Implementation of the Scenario A Alternative or the proposed General Plan 2035 would result in the expansion or development of facilities that could impact the health and safety of Murrieta residents and employees. Both the Scenario A Alternative and the General Plan 2035 would provide for a mixed-use land use designation that could potentially allow for mixed-use development in the future, including the placement of residential and non-residential uses in proximity to each other. These non-residential uses may involve the storage and/or use of hazardous materials. Implementation of goals and policies would minimize risk under both the Scenario A Alternative and the General Plan 2035. Therefore, the Scenario A Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

PUBLIC SERVICES AND UTILITIES

Similar to the General Plan 2035, implementation of the Scenario A Alternative would provide a comprehensive inventory of existing public services and utilities and the levels of service provided to the City. Growth associated with both the Scenario A Alternative and proposed General Plan 2035 would result in increased demand for public services and utilities beyond existing conditions. With the exception of parks and recreational facilities, goals and policies in the proposed General Plan 2035 would reduce potential impacts to a less than significant level. Impacts to parks and recreational facilities would be significant and unavoidable with the Scenario A Alternative and the proposed General Plan 2035. However, Scenario A would allow for the development of 7,544 additional dwelling units when compared to the proposed General Plan 2035. This would result in a greater demand on parks and recreational facilities due to the population growth associated with the residential units. Although both the Scenario A Alternative and General Plan 2035 would result in a significant and unavoidable impact to parks and recreational facilities, the deficiency would be greater under the Scenario A Alternative. Thus, the Scenario A Alternative is considered environmentally inferior to the proposed General Plan 2035 in this regard.

CONCLUSION

The Scenario A Alternative would result in similar environmental impacts as the proposed General Plan 2035 for land use, aesthetics, traffic and circulation, air quality, greenhouse gas emissions, noise, geology and seismic hazards, cultural resources, biological resources, agricultural resources, mineral resources, hydrology, drainage, and water quality, and hazards and hazardous materials. However, this Alternative may generate higher impacts than the proposed General Plan 2035 with respect to population, housing, and employment and public services and utilities. It is the intent of the proposed General Plan 2035 to provide new information based on current conditions within the City and to provide goals and policies that address current conditions. The Scenario A Alternative would provide updated environmental data and goals and policies that address current and future conditions, similar to the proposed General Plan 2035. The Scenario A Alternative would provide the land use plan and policy direction to achieve the core economic development objectives of the General Plan 2035, which focuses on guiding the development of vacant land, specifically focusing on opportunities for economic development within key Focus Areas. To achieve this vision, the City seeks to encourage private sector investment in the creation of higher paying jobs, income, and wealth through economic diversification. The City is focusing its efforts to attract a variety of businesses and industries, higher educational institutions, and health care facilities. A full range of quality new development would be part of this effort, including retail centers, corporate/technology parks, hotels, and upscale restaurants that would be supported by this Alternative. However, this Alternative would allow for fewer employment opportunities within the City when compared to the proposed General Plan 2035. Thus, this Alternative would not meet the economic development objectives to the same extent as the General Plan 2035.

6.4 SCENARIO B ALTERNATIVE

6.4.1 DESCRIPTION

The Scenario B Alternative assumes that the proposed General Plan 2035, including all goals and policies would be adopted; however, the land use plan within the Clinton Keith/Mitchell, North Murrieta Business Corridor, and Multiple Use 3 (MU-3) Focus Areas would provide for greater residential dwelling units and less non-residential square footage when compared to the proposed General Plan 2035 (refer to *Exhibit 6-2*, *Scenario B Alternative*). Citywide growth and anticipated growth within the remaining Focus Areas would be the same for both the Scenario B Alternative and the proposed General Plan 2035.

The anticipated growth over existing conditions within the Focus Areas with the Scenario B Alternative would be:

- 10,835 dwelling units; and
- 18,149,507 square feet of non-residential uses.

When compared to the proposed General Plan 2035, the Scenario B Alternative would result in the following within the Focus Areas:

- 7,489 more dwelling units; and
- 3,007,277 fewer square feet of non-residential uses.

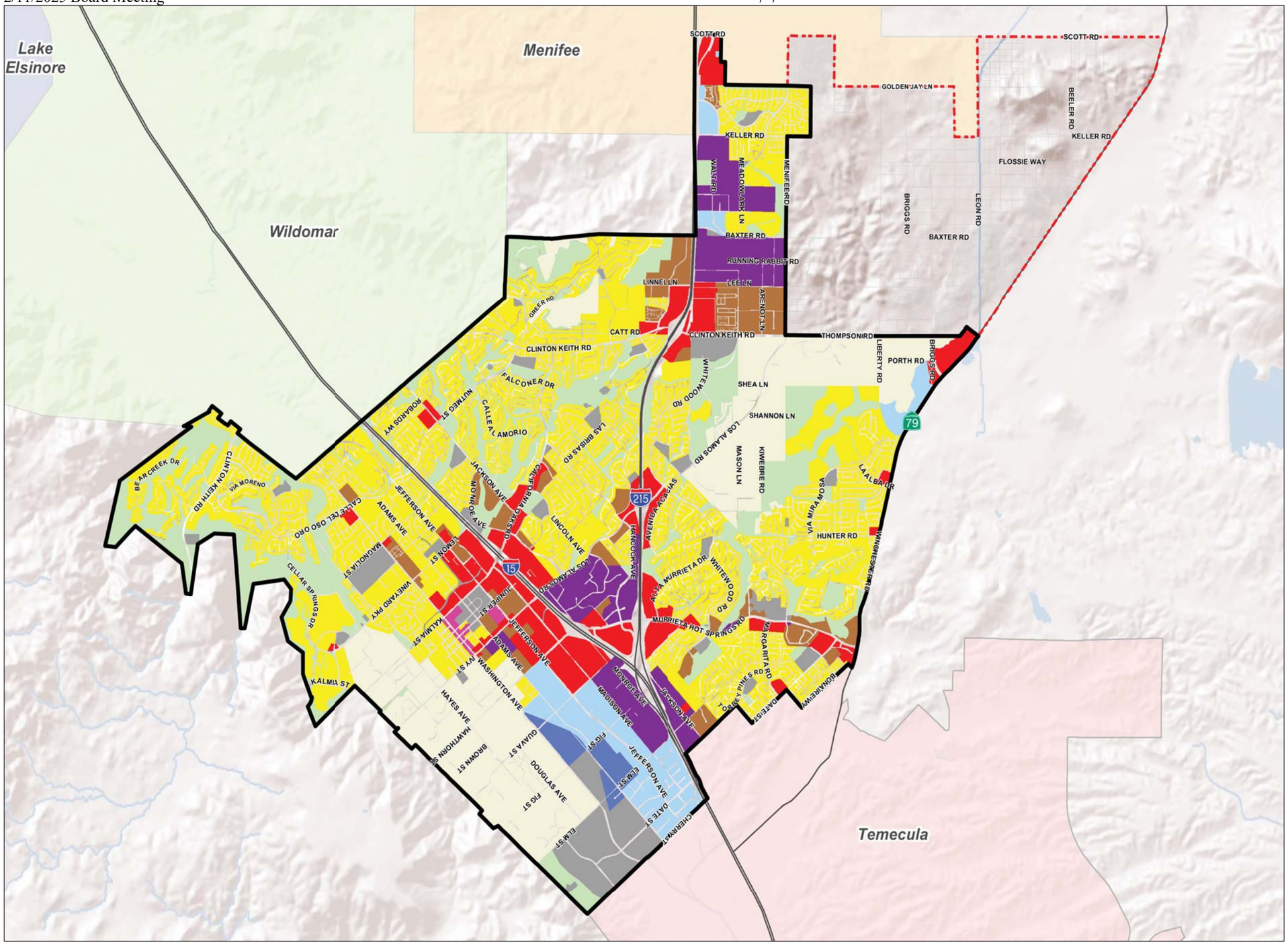
6.4.2 IMPACT EVALUATION

LAND USE

As with the proposed General Plan 2035, the Scenario B Alternative revises and updates the existing Land Use Element, including establishing Focus Areas for future growth that reflect the economic development priorities of the City. The Scenario B Alternative proposes removal of the MU-1, MU-2, and MU-3 land use and zoning designations and the introduction of a mixed-use land use designation, similar to the proposed General Plan 2035. The Scenario B Alternative provides updated land use information for the City, including land uses that have changed over time and may not be reflective of the existing General Plan's land use designations. It establishes the policy foundation to address current and anticipated buildout conditions over the next 25 years. The Scenario B Alternative would involve changes to land use designations that would allow for the development of additional multiple-family residential uses within the Clinton Keith/Mitchell, North Murrieta Business Corridor, and Multiple Use 3 Focus Areas, when compared to the General Plan 2035. These land use changes would continue to provide consistent and compatible development within the City and be consistent with Federal, State, and regional plans, policies, or regulations, similar to the proposed General Plan 2035. Similar to the proposed General Plan 2035, this Alternative would provide additional land use policies for consistency with the *Riverside County Airport Land Use Compatibility Plan* associated with the French Valley Airport. The Scenario B Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035.

POPULATION, HOUSING, AND EMPLOYMENT

The Scenario B Alternative would update the City's environmental baseline conditions to 2009 and update the General Plan development projections to the year 2035, similar to the General Plan 2035. Development projections include projections for dwelling units, non-residential square footage, population, and employment. The Scenario B Alternative would provide the most current population, housing, and employment numbers or projections, and quantitative population, housing, and employment projections for future years. Although the Scenario B Alternative reflects the current priorities of the City, including economic development and increased employment opportunities within the City, it does not provide the amount of non-residential development to achieve these priorities to the extent of the proposed General Plan 2035. The Scenario B Alternative would provide for greater residential development (7,489 more dwelling units) and decreased non-residential development (3,007,277 fewer square feet of non-residential uses) when compared to the proposed General Plan 2035. As indicated in



LEGEND

- Rural Residential
- Single-Family Residential
- Multiple-Family Residential
- Commercial
- Office and Research Park
- Business Park
- Industrial
- Civic and Institutional
- Mixed Use
- Parks and Open Space
- City of Murrieta
- Murrieta Sphere of Influence
- Temecula
- Lake Elsinore
- Menifee
- Wildomar

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Miles

Source: City of Murrieta.

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General Plan 2035 Land Use Alternative - Scenario B

Exhibit 6-2

Back of 11 x 17 exhibit.

Section 5.2, Population, Housing, and Employment and Section 7.0, Other CEQA Considerations, potential buildout of the proposed General Plan 2035 would result in 44,484 dwelling units and 130,153 jobs, resulting in a jobs/housing ratio of approximately 2.9. A ratio of 1.0 or greater generally indicates that a City provides adequate employment opportunities, potentially allowing its residents to work within the City. A desirable jobs/housing balance improves regional mobility (traffic), reduces vehicle miles traveled, and improves air quality. Potential buildout of the Scenario B Alternative would result in 44,585 dwelling units and 118,412 jobs, resulting in a jobs/housing ratio of approximately 2.7. Although the Scenario B Alternative would provide an improved jobs/housing balance over existing conditions, it would not be improved to the extent of the proposed General Plan 2035. Therefore, the Scenario B Alternative is considered environmentally inferior to the proposed General Plan 2035 in this regard.

AESTHETICS

Both the Scenario B Alternative and the proposed General Plan 2035 would encourage preservation of existing residential neighborhoods within the City. Vacant land within the City comprises approximately 7,291 acres, representing approximately 34 percent of the City's acreage. Similar to the proposed General Plan 2035, the Scenario B Alternative would involve development of Focus Areas, which includes areas of vacant land. New development within these areas would change the character of the areas and their surroundings. Both the Scenario B Alternative and proposed General Plan 2035 would involve land use changes within these areas to provide for more consistent and compatible development, while allowing for the City's economic development priorities to be achieved. The Scenario B Alternative would provide the framework and focused vision to address the visual character of future development within the City, similar to the proposed General Plan 2035. The Scenario B Alternative establishes policies that address the desired character of development within these areas. Thus, the Scenario B Alternative is considered neither environmentally superior nor inferior to the Proposed General Plan 2035 in this regard.

TRAFFIC AND CIRCULATION

Levels of service associated with buildout of the Scenario B Alternative were calculated for both study roadway segments and intersections (refer to Appendix C for the detailed traffic impact analysis). Using the Scenario B daily traffic volumes and the maximum daily roadway capacity values, daily volume-to-capacity ratios have been determined.

Roadway Segments

Under the Scenario B Alternative, several roadway segments are projected to operate at an unacceptable level of service (LOS D, E, or F) per the City of Murrieta's LOS standards; refer to Appendix C, Figure 20. The roadway segments generally include, but are not limited to:

Level of Service D

- Portions of Washington Avenue, Jefferson Avenue, Kalmia Street, Whitewood Road, Hancock Road, and Menifee Road.

Level of Service E

- Portions of Jefferson Avenue, California Oaks Road, Murrieta Hot Springs Road, Meadowlark Lane/Menifee Road, and Winchester Road.

Level of Service F

- Portions of Jefferson Avenue, Murrieta Hot Springs Road, Los Alamos Road, Winchester Road, and Clinton Keith Road.

Intersections

All future study intersections are projected to operate at LOS D or better with the exception of the following 18 locations:

- Menifee Road/Scott Road
- Winchester Road - SR-79/Scott Road
- Antelope Road/Keller Road
- Antelope Road/Golden City Drive – Baxter Road
- Whitewood-Meadowlark/Golden City Drive – Baxter Road
- California Oaks Road/Clinton Keith Road
- I-215 NB Off-Ramp/Clinton Keith Road
- Meadowlark – Whitewood Road/Clinton Keith Road
- Winchester Road - SR-79/Clinton Keith Road - Benton Road
- Jefferson Avenue/Murrieta Hot Springs Road
- Madison Avenue/Murrieta Hot Springs Road
- Jefferson Avenue/Kalmia Street
- Winchester Road (SR-79) / Murrieta Hot Springs Road
- Hancock Ave/Los Alamos Road
- I-215 SB Ramps/Los Alamos Road
- Whitewood Road Murrieta Hot Springs Road
- Nutmeg Street/Clinton Keith Road
- Mitchell Road/Clinton Keith Road

As indicated in Section 5.4, Traffic and Circulation, 18 study intersections would operate at an unacceptable LOS under the proposed General Plan 2035. With intersection improvements, 16 intersections would continue to operate at an unacceptable LOS based upon the City's performance criteria under the proposed General Plan 2035. Since many of the same intersections would operate at an unacceptable LOS under both the Scenario B Alternative and the proposed General Plan 2035, it is assumed that with intersection improvements identified for the proposed General Plan 2035, similar impacts would remain under the Scenario B Alternative.

As with the proposed General Plan 2035, the Scenario B Alternative encourages new and/or improved transit operations within the City, as well as accessibility between major uses and users. Other alternative modes of transportation, including walking and biking are also encouraged. The Circulation Element identifies the provision of a multi-modal circulation system with accessibility to all users as a key goal. The Scenario B Alternative proposes policies that would support and encourage the use of alternative transportation and ensure that adequate alternative transportation is available to serve demand. The Scenario B Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

AIR QUALITY

The Scenario B Alternative would allow for new development on existing vacant land or through redevelopment of currently developed land, similar to the proposed General Plan 2035. Development under either the Scenario B Alternative or the proposed General Plan 2035 would result in significant unavoidable impacts related to construction-related emissions, regional operational emissions, AQMP consistency, and cumulative construction and operational impacts. All other air quality impacts associated with the proposed General Plan 2035 and Scenario B Alternative can be mitigated to less than significant levels. Thus, the Scenario B Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

GREENHOUSE GAS EMISSIONS

In accordance with AB 32, the City would be required to reduce GHG emissions to 1990 levels by 2020. Development pursuant to the Scenario B Alternative would result in additional GHG emissions with future development, similar to the proposed General Plan 2035. The City has prepared a Climate Action Plan (CAP) as part of the proposed General Plan 2035 to address GHG emissions reduction within the City, which would also be applicable to this Alternative. The strategies identified in the CAP contain emission reduction measures from municipal and non-municipal operations. These measures are consistent with and build upon the goals and policies within the proposed General Plan 2035. The strategies identified in the CAP would achieve the desired reduction target of 15 percent below baseline levels by 2020. Therefore, similar to the proposed General Plan 2035, the Scenario B Alternative would be consistent with the reduction targets of AB 32, resulting in a less than significant impact. Thus, the Scenario B Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

NOISE

The Scenario B Alternative would allow for new development on existing vacant land or through redevelopment of currently developed land, similar to the proposed General Plan 2035. Development under either the Scenario B Alternative or the proposed General Plan 2035 would result in additional noise from construction activities and the resulting increase in traffic

associated with future development. Similar to the proposed General Plan 2035, cumulative long-term operational noise impacts would be significant and unavoidable with the Scenario B Alternative due to the redistribution of traffic on City streets due to the change in land uses and anticipated City growth, along with cumulative growth in the Sphere of Influence and outside the City. All other noise impacts can be mitigated to less than significant levels. Thus, the Scenario B Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

GEOLOGY AND SEISMIC HAZARDS

Development under the Scenario B Alternative or the proposed General Plan 2035 would result in new development (i.e., new residential and non-residential land uses), thereby resulting in an increase in population. Potential new development would be located throughout the City and would result in a larger number of structures/people potentially exposed to substantial adverse effects associated with severe ground shaking or ground failure. However, compliance with building codes and standards would reduce impacts to a less than significant level. Although the Scenario B Alternative would allow for development of more residential units when compared to the proposed General Plan 2035, it would allow for less non-residential development. Therefore, the potential impacts associated with the number of people or structures potentially exposed to seismic hazards would be similar with this Alternative. Therefore, the Scenario B Alternative would be considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

CULTURAL RESOURCES

The Scenario B Alternative and proposed General Plan 2035 would allow for new development on existing vacant land. Therefore, potential impacts to known or unknown/undiscovered historical, archaeological, or paleontological resources would be similar under the Scenario B Alternative or the proposed General Plan 2035. However, impacts related to cultural resources associated with either the Scenario B Alternative or the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with the goals and policies of the proposed General Plan 2035 and mitigation measures. Therefore, the Scenario B Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

BIOLOGICAL RESOURCES

The Scenario B Alternative and proposed General Plan 2035 would allow for new development of vacant land or through redevelopment of currently developed land that may contain biological resources. Therefore, potential impacts to habit modifications of any species identified as sensitive or special status species, riparian habitat, sensitive natural communities, federally protected wetlands, movement of native resident or migratory fish or wildlife species would be similar under the Scenario B Alternative or the proposed General Plan 2035. It is anticipated

that impacts related to biological resources associated with either the Scenario B Alternative or the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with the current regulatory requirements and the goals and policies of the proposed General Plan 2035. Therefore, the Scenario B Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

AGRICULTURAL RESOURCES

Future development under the Scenario B Alternative and proposed General Plan 2035 may involve parcels of land currently operating for agricultural purposes or identified for agricultural production. Therefore, potential impacts to prime farmland, unique farmland, farmland of statewide importance, or Williams Act contracts would be similar under the Scenario B Alternative or the proposed General Plan 2035. It is anticipated that impacts related to agricultural resources associated with either the Scenario B Alternative or the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goals and policies of the proposed General Plan 2035. Therefore, the Scenario B Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

MINERAL RESOURCES

Future development under the Scenario B Alternative and proposed General Plan 2035 may involve lands that contain unknown mineral resources. Therefore, potential impacts to mineral resources would be similar under the Scenario B Alternative or the proposed General Plan 2035. It is anticipated that impacts related to mineral resources associated with either the Scenario B Alternative or the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goals and policies of the proposed General Plan 2035. Therefore, the Scenario B Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

HYDROLOGY, DRAINAGE, AND WATER QUALITY

The Scenario B Alternative and proposed General Plan 2035 would allow for new development on existing vacant land, resulting in increased population and development that could result in hydrology, drainage, or water quality impacts. The Conservation Element includes goals and policies that address stormwater management and water quality to ensure that potential impacts would be reduced, which would be applicable to this Alternative. Additionally, the proposed General Plan 2035 provides updated and current information regarding stormwater and water quality requirements. Since the Scenario B Alternative and the proposed General Plan 2035 would provide for increased development Citywide and within the Focus Areas that would potentially impact hydrology, drainage, and water quality, the Scenario B Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

HAZARDS AND HAZARDOUS MATERIALS

Implementation of the Scenario B Alternative or the proposed General Plan 2035 would result in the expansion or development of facilities that could impact the health and safety of Murrieta residents and employees. Both the Scenario B Alternative and the General Plan 2035 would provide for a mixed-use land use designation that could potentially allow for mixed-use development in the future, including the placement of residential and non-residential uses in proximity to each other. These non-residential uses may involve the storage and/or use of hazardous materials. Implementation of goals and policies would minimize risk under both the Scenario B Alternative and the General Plan 2035. Therefore, the Scenario B Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035 in this regard.

PUBLIC SERVICES AND UTILITIES

Similar to the General Plan 2035, implementation of the Scenario B Alternative would provide a comprehensive inventory of existing public services and utilities and the levels of service provided to the City. Growth associated with both the Scenario B Alternative and proposed General Plan 2035 would result in increased demand for public services and utilities beyond existing conditions. With the exception of parks and recreational facilities, goals and policies in the proposed General Plan 2035 would reduce potential impacts to a less than significant level. Impacts to parks and recreational facilities would be significant and unavoidable with the Scenario B Alternative and the proposed General Plan 2035. However, Scenario B would allow for the development of 7,489 additional dwelling units when compared to the proposed General Plan 2035. This would result in a greater demand on parks and recreational facilities due to the population growth associated with the residential units. Although both the Scenario B Alternative and General Plan 2035 would result in a significant and unavoidable impact to parks and recreational facilities, the deficiency would be greater under the Scenario B Alternative. Thus, the Scenario B Alternative is considered environmentally inferior to the proposed General Plan 2035 in this regard.

CONCLUSION

The Scenario B Alternative would result in similar environmental impacts as the proposed General Plan 2035 for land use, aesthetics, traffic and circulation, air quality, greenhouse gas emissions, noise, geology and seismic hazards, cultural resources, biological resources, agricultural resources, mineral resources, hydrology, drainage, and water quality, and hazards and hazardous materials. However, this Alternative may generate higher impacts than the proposed General Plan 2035 with respect to population, housing, and employment and public services and utilities. It is the intent of the proposed General Plan 2035 to provide new information based on current conditions within the City and to provide goals and policies that address current conditions. The Scenario B Alternative would provide updated environmental data and goals and policies that address current and future conditions, similar to the proposed

General Plan 2035. The Scenario B Alternative would provide updated environmental data and goals and policies that address current and future conditions, similar to the proposed General Plan 2035. The Scenario B Alternative would provide the land use plan and policy direction to achieve the core economic development objectives of the General Plan 2035, which focuses on guiding the development of vacant land, specifically focusing on opportunities for economic development within key Focus Areas. To achieve this vision, the City seeks to encourage private sector investment in the creation of higher paying jobs, income, and wealth through economic diversification. The City is focusing its efforts to attract a variety of businesses and industries, higher educational institutions, and health care facilities. A full range of quality new development would be part of this effort, including retail centers, corporate/technology parks, hotels, and upscale restaurants that would be supported by this Alternative. However, this Alternative would allow for fewer employment opportunities within the City when compared to the proposed General Plan 2035. Thus, this Alternative would not meet the economic development objectives to the same extent as the General Plan 2035.

6.5 ENVIRONMENTALLY SUPERIOR ALTERNATIVE

CEQA requires that an "Environmentally Superior Alternative" be identified among those considered; that is an alternative that would result in the fewest or least significant environmental impacts. As noted above, the determination of an environmentally superior alternative is based on the consideration of how the alternative fulfills the project objectives and how the alternative either reduces significant, unavoidable impacts or substantially reduces the impacts to the surrounding environment.

NO PROJECT/EXISTING GENERAL PLAN ALTERNATIVE

As it is the intent of the proposed General Plan 2035 to provide new information based on current conditions within the City, the existing General Plan evaluated under the No Project/Existing General Plan Alternative would not serve the City as adequately as the proposed General Plan 2035. Overall, the No Project/Existing General Plan Alternative and the proposed General Plan 2035 would result in similar environmental impacts, with the exception of impacts related to land use, population, housing, and employment, aesthetics, air quality, greenhouse gas emissions, agricultural resources and hazards and hazardous materials, which would generate higher impacts and geology and seismic hazards, hydrology, drainage, and water quality, and hazards and hazardous materials, which would generate less impacts. The No Project/Existing General Plan Alternative would not reduce the severity of the significant unavoidable impacts associated with the proposed General Plan 2035. Thus, the No Project/Existing General Plan Alternative is not selected as the environmentally superior alternative to the proposed General Plan 2035.

The No Project/Existing General Plan Alternative would not meet the economic development priorities established by the City to the extent of the proposed General Plan 2035. The proposed General Plan 2035 focuses economic development as a key priority in order to improve the jobs/housing balance, reduce vehicle miles traveled, improve air quality, and contribute to a healthy and sustainable community. To achieve this vision, the City seeks to encourage private sector investment in the creation of higher paying jobs, income, and wealth through economic diversification. The City is focusing its efforts to attract a variety of businesses and industries, higher educational institutions, and health care facilities. A full range of quality new development would be part of this effort, including retail centers, corporate/technology parks, hotels, and upscale restaurants, which would not be supported with this Alternative as compared to the proposed General Plan 2035. Buildout under the No Project/Existing General Plan Alternative would not provide opportunities for residents to live and work within the City to the extent of the proposed General Plan 2035. Thus, this Alternative would not achieve a housing balance that improves regional mobility (traffic), reduces vehicle miles traveled, and improves air quality to the extent of the proposed General Plan 2035. Further this Alternative would not provide updated development projections for the year 2035, nor provide a land use plan and policy direction that addresses future development and growth anticipated by the City and SCAG.

SCENARIO A ALTERNATIVE

The Scenario A Alternative would meet the stated objectives of the General Plan 2035 and EIR, as the Scenario A Alternative would provide new and updated information based on current conditions and would provide updated goals and policies to direct future growth within the City. Although it would generally meet the growth objectives identified by the General Plan 2035, this Alternative would provide for greater residential development and less non-residential development. Therefore, the economic development objectives, including providing an improved jobs/housing ratio would not be achieved to the same extent as the General Plan 2035. The Scenario A Alternative would result in similar environmental impacts when compared to the proposed General Plan 2035 with the exception of population, housing, and employment and public services and utilities, which would be greater. The Scenario A Alternative would not reduce any of the significant unavoidable impacts identified for traffic and circulation, air quality, noise, or parks and recreation facilities. Although both the Scenario A Alternative and General Plan 2035 would result in a significant and unavoidable impact to parks and recreational facilities, the deficiency would be greater under the Scenario A Alternative. However, since the Scenario A Alternative allows for greater non-residential development in support of the City's economic development goals and would meet the project objectives, Alternative A is selected as the environmentally superior alternative.

SCENARIO B ALTERNATIVE

The Scenario B Alternative would meet the stated objectives of the General Plan 2035 and EIR, as the Scenario B Alternative would provide new and updated information based on current conditions and would provide updated goals and policies to direct future growth within the City. Although it would generally meet the growth objectives identified by the General Plan 2035, this Alternative would provide for greater residential development and less non-residential development. Therefore, the economic development objectives, including providing an improved jobs/housing ratio would not be achieved to the same extent as the General Plan 2035. The Scenario B Alternative would result in similar environmental impacts when compared to the proposed General Plan 2035 with the exception of population, housing, and employment and public services and utilities, which would be greater. The Scenario B Alternative would not reduce any of the significant unavoidable impacts identified for traffic and circulation, air quality, noise, or parks and recreation facilities. Although both the Scenario B Alternative and General Plan 2035 would result in a significant and unavoidable impact to parks and recreational facilities, the deficiency would be greater under the Scenario B Alternative. The Scenario B Alternative is considered environmentally inferior to the proposed General Plan 2035, and is not selected as the environmentally superior alternative.

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Section 7.0:

Other CEQA Considerations

7.0 OTHER CEQA CONSIDERATIONS

7.1 LONG-TERM IMPLICATIONS OF THE PROPOSED PROJECT

Buildout of the proposed General Plan 2035 would involve a variety of short- and long-term impacts on a local level. During site-specific project grading and construction, portions of surrounding uses may be temporarily impacted by dust and noise. Short-term soil erosion may also occur during grading. There may also be an increase in vehicle pollutant emissions caused by grading and construction activities. However, these disruptions would be temporary and may be avoided or lessened to a large degree through mitigation cited in this EIR and through compliance with the Murrieta *Municipal Code*; refer to Section 5.0, Environmental Analysis.

Development under the proposed General Plan 2035 would potentially create long-term environmental consequences associated with a transition in land use. Development associated with buildout of the proposed General Plan 2035 and the subsequent long-term effects may impact the physical, aesthetic, and human environments. Long-term physical consequences of development include increased traffic volumes, increased noise from project-related mobile (traffic) and stationary (mechanical and landscaping) sources, incremental increased demands for essential public services and utility/service systems, and increased energy and natural resource consumption. Long-term visual impacts would occur with the potential modifications to City and distant views, and alterations to the visual character of portions of the City. Incremental degradation of local and regional air quality could also occur as a result of mobile source emissions generated from project-related traffic and stationary source emissions generated from the consumption of propane and electricity.

7.2 IRREVERSIBLE ENVIRONMENTAL CHANGES THAT WOULD BE INVOLVED WITH THE PROPOSED ACTION SHOULD IT BE IMPLEMENTED

CEQA Guidelines Section 15126.2(c) requires a discussion of any significant irreversible environmental changes that would be caused by the proposed project, and states:

Uses of nonrenewable resources during the initial and continued phases of the project may be irreversible since a large commitment of such resources makes removal or nonuse thereafter unlikely. Primary impacts, and particularly, secondary impacts (such as highway improvement which provides access to a previously inaccessible area) generally commit future generations to similar uses. Also, irreversible damage can result from environmental accidents associated with the project. Irretrievable commitments of resources should be evaluated to assure that such current consumption is justified.

The proposed General Plan 2035's environmental effects are discussed in Section 5.0. In 2009, a majority (approximately 66 percent) of Murrieta is developed. Single-family residential uses represent approximately 30 percent of the City, while less than six percent is developed with commercial, commercial office, industrial, and public/institutional uses; refer to *Table 3-1, Existing Land Use Summary*. Approximately 34 percent of the City (approximately 7,291 acres) is currently vacant. Additionally, underutilized land is available for development. Future development resulting from implementation of the proposed General Plan 2035 is anticipated to occur on both vacant and underutilized land throughout the City, however, primarily within the five of the Focus Areas targeted for land use change. Implementation of the proposed General Plan 2035 would allow for new developments in the City that would entail the irreversible commitment of natural resources, energy, land, and human resources. Manpower would also be committed for the development of residential and non-residential uses. Ongoing maintenance and operation of the new developments would entail a further irreversible commitment of energy resources in the form of petroleum products (diesel fuel and gasoline), natural gas, and electricity. Long-term impacts would also result from an increase in vehicular traffic, and the associated air pollutant and noise emissions. These resource commitments would be a long-term obligation given that, practically speaking, it is impossible to return the land to its original condition once it has been developed. In summary, implementation of the proposed General Plan 2035 would involve the following irreversible environmental changes:

- Soil erosion associated with grading and construction activities;
- Alteration of the human environment as a consequence of the development process, which commits land to residential, commercial, professional/office, business park, and civic/institutional uses, and intensifies land uses within the City;
- Increased usage of essential public services (including fire protection, police protection, parks and recreational facilities, schools, solid waste) and utility/service systems (including water, wastewater, electricity, and natural gas) during and after construction of new developments, which would result in temporary and permanent uses of these resources;
- Temporary and permanent commitment of energy and water resources as a result of the construction, long-term operation, and maintenance of new developments, which may be considered a permanent investment;

- Utilization of various new raw materials (such as lumber, sand, and gravel) for construction; and

- Incremental increases in vehicular activity within the City, with resultant air pollutant and noise emissions.

7.3 GROWTH INDUCING IMPACTS

CEQA Guidelines Section 15126(d), Growth Inducing Impact of the Proposed Project, requires that an EIR *"discuss the ways in which the proposed project could foster economic or population growth, or the construction of additional housing, either directly or indirectly, in the surrounding environment."* The *CEQA Guidelines* also indicate that it must not be assumed that growth in any area is necessarily beneficial, detrimental, or of little significance to the environment. This section analyzes potential growth-inducing impacts, based on the criteria outlined below, as suggested in the *CEQA Guidelines*. In general terms, a project may foster spatial, economic, or population growth in a geographic area, if it meets any one of the following criteria:

- Removal of an impediment to growth (e.g., establishment of an essential public service and provision of new access to an area);

- Fostering of economic expansion or growth (e.g., changes in revenue base and employment expansion);

- Fostering of population growth (e.g., construction of additional housing), either directly or indirectly;

- Establishment of a precedent-setting action (e.g., an innovation, a change in zoning and general plan amendment approval); or

- Development of or encroachment on an isolated or adjacent area of open space (being distinct from an in-fill project).

Should a project meet any one of the above-listed criteria, it may be considered growth inducing. The potential growth-inducing impacts of the proposed Project are evaluated below against these criteria.

It is noted that the *CEQA Guidelines* require an EIR to "discuss the ways" a project could be growth-inducing and to "discuss the characteristics of some projects that may encourage…activities that could significantly affect the environment." However, the *CEQA Guidelines* do not require that an EIR predict (or speculate) specifically where such growth would occur, in what form it would occur, or when it would occur. The answers to such questions require speculation, which CEQA discourages; refer to *CEQA Guidelines* Section 15145, Speculation.

IMPEDIMENT TO GROWTH

Future development resulting from implementation of the proposed General Plan 2035 is anticipated to occur on both vacant and underutilized land throughout the City, however, primarily within the five Focus Areas targeted for land use change. As discussed in detail in Section 3.0, Project Description, the proposed General Plan 2035 has taken a focused development strategy that would be implemented through seven Focus Areas, with individualized approaches for each area.

With the exception of the Los Alamos Hills Focus Area, none of the six other Focus Areas would involve development that would establish an essential public service or utility/service system. The Los Alamos Hills Focus Area consists primarily of rural residential uses with water wells and septic tanks. In addition, many of the properties in the Los Alamos Hills are not included within a water district that could provide water and/or sewer service to the area. The lack of existing water and sewer infrastructure systems that connect to other systems in the City and the region could be an impediment to growth in this area. Future development in this area would require coordination with appropriate water districts regarding the infrastructure needed to support the proposed development. The proposed General Plan 2035 includes goals and policies for the Los Alamos Hills Focus Area that include the preparation of a Specific Plan, along with goals and policies regarding the provision of infrastructure to support the development proposed in a future Specific Plan.

Murrieta's developed areas and Focus Areas are already served by essential public services, including fire protection, police protection, parks and recreational facilities, schools, and solid waste; an extensive network of utility/service systems, including water, wastewater, electricity, and natural gas; and other infrastructure necessary to accommodate or allow the existing conditions and planned growth. The existing public services and utility/service systems can be readily upgraded and/or extended onto the future development sites. The increased demands for public services and utility/service systems would not reduce or impair any existing or future levels of services, either locally or regionally, as costs for increases in public services and utility/service systems would be provided through cooperative agreements between future developments and servicing agencies. Further, future development would be reviewed a project-by-project basis, at the time of proposed construction, in order to determine the public services and utility/service systems necessary to serve the proposed land uses. Buildout of the proposed General Plan 2035 would not require substantial development of unplanned or unforeseen public services and utility/service systems. Therefore, implementation of the proposed General Plan 2035 would not be growth-inducing with respect to removal of an impediment to growth through establishment of an essential public service or expansion to a new area.

Regional access to the City is provided via Interstates 15 and 215, and local access is provided by existing roadways. The proposed General Plan 2035 has taken a focused development strategy that would be implemented through the five Focus Areas targeted for land use change, which are concentrated along Interstates 15 and 215. The growth over existing conditions resulting from project implementation would occur both within the Focus Areas and throughout

the City. Although, project implementation would facilitate the installation and construction of transportation improvements within the City necessary to carry out the proposed General Plan 2035, as discussed in detail in Section 5.4, Traffic and Circulation, these improvements would not provide new access to an area, since access is already provided by an existing roadway network. Therefore, implementation of the proposed General Plan 2035 would not remove an existing impediment to growth through the provision of new access to an area.

ECONOMIC GROWTH

As indicated in *Table 5.2-9*, *General Plan 2035 Compared to Existing Conditions*, the proposed General Plan 2035 would increase the City's existing population by approximately 32 percent or 32,199 persons. The projected population growth is anticipated to increase sales, with resultant increases in the City's revenue base. Additionally, the proposed General Plan 2035 would increase the City's existing non-residential floor area by approximately 36.2 million square feet and employment by approximately 555 percent or 110,275 jobs; refer to *Table 5.2-9*. The majority of the employment growth would occur in the Commercial and Office and Research Park land use categories. Implementation of the proposed General Plan 2035 would foster economic expansion through changes in the revenue base resulting from population and employment growth. Therefore, the proposed project is considered growth inducing with respect to economic expansion.

POPULATION GROWTH

A project could induce population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure). Although existing roads and infrastructure would be improved/modified, the proposed General Plan 2035 does not involve the extension of roads or other infrastructure into undeveloped areas; refer to Section 5.4, Traffic and Circulation, and Impediment to Growth Section above. The proposed General Plan 2035 would, however, involve new homes and businesses, which would induce direct growth in the City's population.

The proposed General Plan 2035 would involve the development of approximately 10,734 dwelling units (DU), which would induce direct growth in the City's population by approximately 32 percent or 32,199 persons. The proposed General Plan 2035 would also involve the development of new businesses, with a resultant growth in employment of approximately 555 percent or 110,275 jobs. The employment generated by the proposed General Plan 2035 could result in direct growth in the City's population, because the potential exists for future employees (and their families) to relocate to the City. As concluded in Section 5.2, Population, Housing, and Employment, estimating the number of the new employees who would relocate to the City would be highly speculative, because many factors influence personal housing location decisions. Therefore, the precise number of new employees who may relocate to the City to fill the newly created positions is unknown. However, as discussed above, the proposed General Plan 2035 would potentially increase the City's existing housing inventory by

3,346 DU in the Focus Areas, which could be occupied by new employees relocating to the City. The population growth associated with these new dwellings is approximately 32,199 persons. Additionally, the vacancy rates of Murrieta and surrounding cities range from 4.30 to 9.94 percent; refer to Section 5.2. Collectively, the existing vacancies amount to approximately 7,500 DU, which could also be occupied by new employees, with resultant increases in population. Therefore, the proposed General Plan 2035 is considered growth inducing with respect to direct population growth, given it would involve the development of both new homes and businesses.

Potential growth inducing impacts are also assessed based on a project's consistency with adopted plans that have addressed growth management from a local and regional standpoint. As discussed in Section 5.2, SCAG is the responsible agency for developing and adopting regional housing, population, and employment growth forecasts for local Riverside County governments, among other counties. SCAG provides population, household, and employment projection estimates in five-year increments from 2005 to 2035. *Table 5.2-9*, *General Plan 2035 Compared to SCAG*, compares the proposed General Plan 2035's buildout projections with SCAG's 2035 housing, population, and employment forecasts for the City. As indicated in *Table 5.2-9*, SCAG projects that the City's housing inventory will reach 43,966 DU by 2035, with a resultant population of approximately 127,962 persons. At buildout (2035), the proposed General Plan 2035 would result in a housing inventory of approximately 44,484 DU, with a resultant population of approximately 133,452 persons. Although the City's population would be slightly (approximately 4.3 percent) greater than projected by SCAG, the forecast growth is generally consistent.

PRECEDENT-SETTING ACTION

The proposed project would be considered growth-inducing with respect to the establishment of a precedent. The proposed Murrieta General Plan 2035 is a comprehensive update of the 1994 General Plan, which has been tailored to meet the City's needs and issues at the present time and foreseeable future. The project's major components include updates to the development projections to the year 2035 and Land Use Element, including the establishment of building densities for residential land use categories and intensities for all non-residential categories, among other components. Buildout according to the proposed General Plan 2035 anticipates the development of approximately 44,484 DU and approximately 50.2 million square feet of non-residential land uses, or approximately 10,734 DU and 36.2 million square feet over existing conditions. All future land uses within the City would be developed pursuant to the Land Use Policy Map. Additionally, the proposed General Plan 2035 has taken a focused development strategy that would be implemented through seven Focus Areas, with individualized approaches for each area.

DEVELOPMENT OR ENCROACHMENT OF OPEN SPACE

A majority (approximately 66 percent) of Murrieta is built-out and consists of developed areas. Future development resulting from implementation of the proposed General Plan 2035 is anticipated to occur on both vacant and underutilized land throughout the City, however, primarily within the five Focus Areas targeted for land use change. The proposed General Plan 2035 has taken a focused development strategy that would be implemented through the seven Focus Areas, which are generally concentrated along Interstates 15 and 215. The growth over existing conditions resulting from project implementation would occur throughout the City and within the Focus Areas. The proposed General Plan 2035 focuses on preserving residential neighborhoods, guiding the remaining development and redevelopment opportunities, and revitalizing selected areas through the Focus Area approach. None of the Focus Areas would involve development that would encroach on an isolated area of open space, with the potential exception of the Los Alamos Hills Focus Area. Additionally, while approximately 34 percent of the City (approximately 7,291 acres) is currently vacant, it is the City's goal (Goal LU-1) to provide a complementary balance of land uses throughout the community that meets the needs of existing residents and businesses as well as anticipated growth, and achieves the community's vision. To this end, the City would provide for the development of complementary land uses, such as open space, for all future residential and non-residential development (Policy LU-1.4). Accordingly, the proposed General Plan 2035 includes the Parks and Open Space Land Use Designation, which is intended to provide for the preservation of natural open spaces, protection of wildlife habitats, and maintenance of natural and scenic resources, among other objectives. Approximately 3,221 acres are designated Parks and Open Space, representing approximately 18 percent of the City. The Parks and Open Space designation includes lands that would remain undeveloped within the City's Planning Area. Additionally, the General Plan 2035 Conservation Element and Parks and Open Space Element have established goals and policies to preserve open space, as follows:

CONSERVATION ELEMENT

Goal CSV-5 Hills and ridges are protected for their environmental and aesthetic values.

Policies

CSV-5.1 Promote compliance with hillside development standards and guidelines to maintain the natural character and the environmental and aesthetic values of sloped areas.

CSV-5.2 Incorporate significant landform features into City parks and open space, where appropriate.

RECREATION AND OPEN SPACE ELEMENT

Goal ROS-7 Open space areas are planned to protect, conserve, and utilize resources of unique character and value for the community.

Policies

ROS-7.1 Preserve and enhance open space resources in Murrieta.

ROS-7.2 Designate open space to preserve habitat and scenic views of natural areas.

ROS-7.3: Seek opportunities to designate open space along waterways, while also providing for the development of trails.

Therefore, given that future development would be subject to compliance with the proposed General Plan 2035's Goals and Policies, project implementation would not be growth-inducing with respect to development or encroachment into an isolated area of open space.

SUMMARY OF IMPACTS

Overall, implementation of the proposed General Plan 2035 would not be growth-inducing with respect to removing an impediment to growth (i.e., establishing an essential public service or provision of new access to an area) or encroaching on an isolated area of open space, with the exception of the Los Alamos Hills Focus Area. As discussed above, the Los Alamos Hills Focus Area has limited water and sewer infrastructure today. The proposed General Plan 2035 includes goals and policies for the Los Alamos Hills Focus Area that include the preparation of a Specific Plan, along with goals and policies regarding the provision of infrastructure to support the development proposed in a future Specific Plan.

The proposed project would be growth-inducing with respect to fostering economic expansion and population growth, and establishing a precedent-setting action. The population, housing, and employment growth projected at buildout of the proposed General Plan 2035 would be substantially similar to SCAG's projections for the City. Thus, development within the City would be responding to growth that was previously planned, rather than creating growth that would require substantial development of unplanned and unforeseen support uses and services. Further, the proposed General Plan 2035 accounts for the increased growth and establishes goals and policies to reduce its potential growth-related impacts. All future development within the City with growth-inducing potential would be subject to compliance with the proposed General Plan 2035 goals and policies outlined in Section 5.2. Additionally, the forecast population increase would occur over a 25-year period, allowing for development of necessary services and infrastructure commensurate with the proposed growth.

At the regional level, the emphasis regarding growth has been placed primarily on achieving a balance of employment and housing opportunities within the subregions. This regional concept, referred to as jobs/housing balance, encourages the designation and zoning of sufficient vacant land for residential uses with appropriate standards to ensure adequate housing is available to serve the needs derived from the local employment base. The jobs/housing ratio can be used as the general measure of balance between a community's employment opportunities and the housing needs of its residents. A ratio of 1.0 or greater generally indicates that a City provides adequate employment opportunities, potentially allowing its residents to work within the City. A desirable jobs/housing balance improves regional mobility (traffic), reduces vehicle miles traveled, and improves air quality. Conversely, imbalance between a City's jobs and housing increases commutes, with resultant increases in traffic volumes and air emissions, and overall reduces the quality of life.

Under existing conditions, the City's jobs/housing ratio is approximately 0.60, indicating the City is currently housing rich and job poor with insufficient employment opportunities for its residents.[1] The proposed General Plan 2035 would increase the City's existing employment by approximately 555 percent (110,275 new jobs). With implementation of the proposed General Plan 2035, the City's jobs/housing ratio would be approximately 2.9,[2] indicating the City would be able to provide adequate employment opportunities for its residents, potentially allowing them to live as well as work within the City. As such, the proposed General Plan 2035 would provide more employment opportunities for its residents, than are currently provided. Therefore, the proposed General Plan 2035 would beneficially impact the City's job/housing balance, by improving the job/housing ratio when compared to existing conditions. Additionally, the proposed General Plan 2035 would provide approximately 313 percent more employment than SCAG's projection of 31,540 jobs, which represents a difference of approximately 98,613 jobs. While the proposed General Plan 2035 would induce growth in the City over existing conditions, this is considered a beneficial impact.

7.4 ENERGY CONSERVATION

Public Resources Code Section 21100(b)(3) and *CEQA Guidelines* Appendix F requires a description (where relevant) of the wasteful, inefficient, and unnecessary consumption of energy caused by a project. In 1975, the California State Legislature adopted Assembly Bill 1575 (AB 1575) in response to the oil crisis of the 1970s.

[1] Based on 19,878 jobs and 33,750 DU existing (2009).
[2] Based on 130,153 jobs and 44,484 DU at buildout (2035).

PROJECT ENERGY CONSUMPTION

Short-Term Construction

In 1994, the U.S. Environmental Protection Agency (EPA) adopted the first set of emission standards (Tier 1) for all new off-road diesel engines greater than 37 kilowatts (kW). The Tier 1 standards were phased in for different engine sizes between 1996 and 2000, reducing NO_X emissions from these engines by 30 percent. The EPA Tier 2 and Tier 3 standards for off-road diesel engines are projected to further reduce emissions by 60 percent for NO_X and 40 percent for particulate matter from Tier 1 emission levels. In 2004, the EPA issued the Clean Air Nonroad Diesel Rule which will cut emissions from off-road diesel engines by more than 90 percent.

The proposed General Plan 2035 would not directly result in the construction of any new development projects. However, its implementation could facilitate development of various commercial, office and research park, business park, industrial, and civic/institutional uses. There are no unusual characteristics of the proposed General Plan 2035 that would necessitate the use of construction equipment that is less energy-efficient than at comparable construction sites. Therefore, compliance with the goals and policies in the proposed General Plan 2035 would not result in inefficient, wasteful, or unnecessary fuel consumption.

Long-Term Operations

TRANSPORTATION

Pursuant to the Federal Energy Policy and Conservation Act of 1975, the National Highway Traffic and Safety Administration (NHTSA) is responsible for establishing additional vehicle standards and for revising existing standards. Since 1990, the fuel economy standard for new passenger cars has been 27.5 miles per gallon (mpg). The fuel economy standard for new light trucks (gross vehicle weight of 8,500 pounds or less) has been 20.7 mpg since 1996. Heavy-duty vehicles (i.e., vehicles and trucks over 8,500 pounds gross vehicle weight) are not currently subject to fuel economy standards. Compliance with Federal fuel economy standards is not determined for each individual vehicle model. Rather, compliance is determined based on each manufacturer's average fuel economy for the portion of their vehicles produced for sale in the United States.

The proposed General Plan 2035 includes goals and policies encouraging transit-oriented and mixed use development to reduce daily vehicle trips and vehicle miles traveled (VMT). The proposed General Plan 2035 is not anticipated to result in any unusual characteristics that would result in excessive long-term operational fuel consumption. The Riverside Transit Agency (RTA) currently provides fixed bus routes in the City of Murrieta along the I-15 and I-215 Freeways, and along portions of Clinton Keith Road, California Oaks Road/Kalmia Street, Madison Street, Los Alamos Road, Murrieta Hot Springs Road, and Whitewood Road (refer to

Exhibit 5.4-10, *Existing Transit Routes*). Additionally, the proposed General Plan 2035 provides strategies to improve transit service and overall mobility within the City that would result in a decrease in auto dependency. Future development under the proposed General Plan 2035 would increase density and improve the jobs/housing balance, which would increase public transportation patronage. The availability of public transit for City residents, employees, and visitors would ensure that the project would not result in the inefficient, wasteful, or unnecessary consumption of transportation energy.

Overall, fuel consumption associated with vehicle trips generated by future development within Murrieta would not be considered inefficient, wasteful, or unnecessary in comparison to other cities in the region.

ENERGY DEMAND

California Code of Regulations, *Title 24*, Part 6, is California's Energy Efficiency Standards for Residential and Non-residential Buildings. Title 24 was established by the California Energy Commission (CEC) in 1978 in response to a legislative mandate to create uniform building codes to reduce California's energy consumption, and provide energy efficiency standards for residential and non-residential buildings. In 2010, the CEC updated Title 24 standards with more stringent requirements. The 2010 Standards are expected to substantially reduce the growth in electricity and natural gas use. Additional savings result from the application of the Standards on building alterations, such as those within Section V (Site Lighting) including Subpart E (Windows), F (Roofs), and S (Mechanical Equipment). These savings are cumulative, increasing as years go by.

The proposed General Plan 2035 would not result in any unusual characteristics that would result in excessive long-term operational building energy demand. The proposed General Plan 2035 includes numerous energy efficiency goals and policies. Namely, it is the City's goal (Conservation Element Goal CSV-12) to prioritize energy conservation and the generation of energy from renewable sources, as part of an overall strategy to reduce greenhouse gas emissions. To this end, the City would implement the following goal and policies:

CONSERVATION ELEMENT

Goal CSV-12 Energy conservation and the generation of energy from renewable sources is prioritized as part of an overall strategy to reduce greenhouse gas emissions.

Policies

CSV-12.1 Ensure that all developments comply with energy efficiency requirements as mandated by the applicable Building Code.

CSV-12.2 Work with energy utilities to encourage and incentivize the retrofitting of building systems with energy-conserving fixtures and appliances.

CSV-12.3 Support the on-site installation and use of renewable energy generation systems for residential, commercial, institutional, and industrial uses.

CSV-12.4 Explore options for addressing aesthetic concerns about renewable energy systems that do not unreasonably restrict the use of these systems, remaining consistent with State law.

CSV-12.5 Consider non-commercial solar power generation in residential areas.

CSV-12.6 Encourage new development projects and significant rehabilitation or expansion projects to incorporate innovative energy conservation or generation amenities such as electric vehicle charging stations, solar canopies, and carports.

CSV-12.7 Support bulk purchasing or financing packages of renewable energy purchasing for residential, business and government facilities.

CSV-12.8 Promote community awareness of opportunities to conserve energy and use renewable energy.

It is also the City's goal (Conservation Element Goal CSV-14) to encourage and incentivize the sustainable development of buildings and neighborhoods, particularly with respect to durability, energy and water use, and transportation impacts. To this end, the City would ensure that all applicable construction projects comply with the California State Green Building Standards Code (Policy CSV-14.1). Additionally, the City would integrate other principles of green building into development standards and guidelines, looking for opportunities to realize other benefits such as improved health and increased bicycle transportation (Policy CSV-14.2).

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Section 8.0:

Effects Found Not To Be Significant

8.0 EFFECTS FOUND NOT TO BE SIGNIFICANT

Due to the Lead Agency's (City of Murrieta) decision to prepare an Environmental Impact Report (EIR), an Initial Study was not prepared to determine significant effects of the proposed General Plan 2035. This option is permitted under California *Environmental Quality Act* (*CEQA*) *Guidelines* Section 15063(a), which states that if the Lead Agency determines an EIR will be required for a project, the Lead Agency may skip further initial review and begin work on the EIR. However, the Initial Study Environmental Checklist form contained in *CEQA Guidelines* Appendix G was utilized to identify the issue areas considered within this EIR. In the course of this evaluation, certain impacts of the proposed General Plan 2035 were found to be less than significant due to the inability of a project of this scope to create such impacts or the absence of project characteristics producing effects of this type. The following discussion briefly describes the potential impacts found not to be significant as a result of implementation of the proposed General Plan 2035. In addition, this section summarizes which impacts were found to be less than significant in this EIR, both with and without the imposition of mitigation measures. The wording for each impact statement is the exact wording cited in Section 5.0.

8.1 EIR CONCLUSIONS

8.2.1 LESS THAN SIGNIFICANT IMPACTS WITHOUT MITIGATION

LAND USE

The following impacts were identified as less than significant and did not require mitigation.

- Implementation of the proposed General Plan 2035 could disrupt or physically divide an established community.
- Implementation of the proposed General Plan 2035 could result in potential inconsistency impacts with Federal and State regulations.
- The proposed General Plan 2035 could result in inconsistencies with the goals of the Southern California Association of Government's Regional Comprehensive Plan, 2008 Regional Transportation Plan and the principles and strategies of the compass Growth Visioning Program.

- The proposed General Plan 2035 could result in inconsistencies with the Western Riverside County Multiple Species Habitat Conservation Plan.
- Implementation of the proposed General Plan 2035 could result in potential inconsistency impacts with local plans and policies.
- Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable land use impacts.

POPULATION, EMPLOYMENT, AND HOUSING

- Implementation of the proposed General Plan 2035 could induce population growth in the City by allowing new homes and businesses.
- Implementation of the proposed General Plan 2035 could displace existing housing or persons, necessitating the construction of replacement housing.
- Development associated with implementation of the proposed General Plan 2035 and cumulative development could induce population growth in the Western Riverside Council of Government's SCAG subregion.

AESTHETICS

- Implementation of the proposed General Plan 2035 could have an adverse effect on a scenic vista.
- Implementation of the proposed General Plan 2035 could substantially damage scenic resources within a State scenic highway.
- Future development associated with implementation of the proposed General Plan 2035 could permanently degrade the visual character of the respective development site and its immediate surroundings.
- Future development associated with implementation of the proposed General Plan 2035 could create new sources of light/glare that could adversely affect views in the area.
- Future development associated with implementation of the proposed General Plan 2035 could create shade and shadows that could adversely affect adjacent land uses.

TRAFFIC

- Implementation of the proposed General Plan 2035 could result in conflicts with the Riverside County Congestion Management Program.

- Implementation of the proposed General Plan 2035 could result in inadequate design features or incompatible uses.

- Implementation of the proposed General Plan 2035 could result in inadequate emergency access.

- Implementation of the proposed General Plan 2035 could conflict with the performance of existing and/or planned transit systems serving the area and/or conflict with adopted transit, bicycle, or pedestrian policies, plans, or programs.

AIR QUALITY

- Implementation of the proposed General Plan 2035 could result in an overall increase in odors within the City.

- Implementation of the proposed General Plan 2035 could result in an overall increase in carbon monoxide hotspot emissions within the City, which could exceed South Coast Air Quality Management District air quality standards.

- The proposed General Plan 2035 may conflict with or hinder implementation of the Southern California Association of Government's Regional Comprehensive Plan Guidelines and the South Coast Air Quality Management District's Air Quality Management Plan.

- Regional air quality emissions resulting from operational buildout (localized air quality and cumulative odor emissions) of the proposed General Plan 2035 could impact regional air quality levels on a cumulatively considerable basis.

GREENHOUSE GASES

- Greenhouse Gas emissions generated by development associated with implementation of the proposed General Plan 2035 could have a significant impact on the environment.

- Implementation of the proposed General Plan 2035 could conflict with an applicable Greenhouse Gas reduction plan, policy, or regulation.

- Greenhouse Gas emissions resulting from development associated with implementation of the proposed General Plan 2035 and cumulative development could impact Greenhouse Gas emissions on a cumulatively considerable basis.

NOISE

- Construction-related activities associated with implementation of the proposed General Plan 2035 could generate noise levels in excess of established standards.

GEOLOGY AND SEISMIC HAZARDS

- Implementation of the proposed General Plan 2035 could result in impacts related to soil erosion or loss of topsoil.

BIOLOGICAL RESOURCES

- Implementation of the proposed General Plan 2035 could have an adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species.
- Implementation of the proposed General Plan 2035 could have an adverse effect on any riparian habitat or federally protected wetlands.
- Implementation of the proposed General Plan 2035 could interfere with migratory birds or an established wildlife corridor.
- Implementation of the proposed General Plan 2035 could conflict with a local policy or ordinance protecting biological resources.
- Implementation of the proposed General Plan 2035 could conflict with the provisions of the Western Riverside County MSHCP.
- Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts to biological resources.

AGRICULTURAL RESOURCES

- Implementation of the proposed General Plan 2035 could result in conversion of Farmland to non-agricultural use, including land shown on the 2008 Farmland Mapping and Monitoring Program, as Unique Farmland.
- Implementation of the proposed General Plan 2035 could conflict with existing zoning for agricultural uses, or a Williamson Act contract.
- Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to agricultural resources.

MINERAL RESOURCES

- Implementation of the proposed General Plan 2035 could result in impacts to mineral resources not yet identified.
- Implementation of the proposed General Plan 2035 could result in impacts to mineral resource recovery sites.
- Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to unknown mineral resources.

HYDROLOGY, DRAINAGE, AND WATER QUALITY

- Development associated with implementation of the proposed General Plan 2035 could deplete groundwater supplies.
- Development associated with implementation of the proposed General Plan 2035 could result in alteration of drainage patterns of the site or area, including alteration of a stream or river, resulting in substantial erosion, flooding, or significant risk of loss.
- Future development associated with implementation of the proposed General Plan 2035 could result in urban uses being located in dam inundation areas of the City.
- Development associated with implementation of the proposed General Plan 2035 could result in impacts related to a 100-year flood event.
- Development associated with implementation of the proposed General Plan 2035 could result in project inundation by seiche, tsunami, or mudflow.

HAZARDS AND HAZARDOUS MATERIALS

- Future development associated with implementation of the General Plan 2035 could result in interference with an adopted emergency response or evacuation plan.

WATER SUPPLY

- Implementation of the proposed General Plan 2035 could result in increased demand for water supplies and infrastructure within the City.
- Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to water resources including increased demand for water supplies and infrastructure.

FIRE PROTECTION

- Buildout of the City in accordance with the proposed General Plan 2035 could result in the need for additional fire facilities or personnel.
- Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts to fire protection personnel, services, and facilities.

POLICE PROTECTION

- Buildout of the City in accordance with the proposed General Plan 2035 could result in the need for additional police facilities or personnel.
- Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts to police protection personnel, services, and facilities.

SOLID WASTE

- Implementation of the proposed General Plan 2035 could result in demands on local landfills in exceedance of capacity current capacity constraints.
- Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts related to solid waste disposal services and landfill disposal capacity.

ELECTRICITY AND NATURAL GAS

- Implementation of the proposed General Plan 2035 could result in increased demand for electricity provided within the City.
- Implementation of the proposed General Plan 2035 could result in increased demand for natural gas provided within the City.
- Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to electrical and/or natural gas services and facilities.

8.2.1 LESS THAN SIGNIFICANT IMPACTS WITH MITIGATION

AESTHETICS

- Construction activities for future development associated with implementation of the proposed General Plan 2035 could temporarily degrade the visual character of the respective development site and/or its immediate surroundings.

- Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable aesthetics, light, and glare impacts.

AIR QUALITY

- Regional air quality emissions resulting from operational buildout of the proposed General Plan 2035 (localized air quality and cumulative odor emissions) could impact regional air quality levels on a cumulatively considerable basis.

NOISE

- Construction-related activities associated with implementation of the proposed General Plan 2035 could generate or expose persons or structures to excessive groundborne vibration.

- Future noise levels associated with implementation of the proposed General Plan 2035 could contribute to an exceedance of the City's noise standards resulting in potential noise impacts to sensitive receptors.

- Cumulative short-term construction noise associated with implementation of the proposed General Plan 2035 could result in cumulatively considerable impacts.

GEOLOGY AND SEISMIC HAZARDS

- Implementation of the proposed General Plan 2035 could expose people and structures to potentially substantial adverse effects involving fault rupture or strong seismic groundshaking.

- Implementation of the proposed General Plan 2035 could expose people and structures to potential substantial adverse effects from seismic-related or other types of ground failures.

- Future development resulting from implementation of the proposed General Plan 2035 could result in impacts related to expansive soils, soil strength, or the potential to support septic tanks or alternative waste water disposal systems.

- Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts related to seismic, geologic, and soil conditions.

CULTURAL RESOURCES

- Implementation of the proposed General Plan 2035 could impact historical and archaeological resources.

- Implementation of the proposed General Plan 2035 could impact unmarked burial sites.

- Implementation of the proposed General Plan 2035 could directly or indirectly impact a unique paleontological resource or site.

- Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts to cultural resources.

HYDROLOGY, DRAINAGE, AND WATER QUALITY

- Implementation of the proposed General Plan 2035 could violate water quality standards and waste discharge requirements.

- Development associated with implementation of the proposed General Plan 2035 could create or contribute to runoff water which could exceed the capacity of existing or planned storm water drainage systems for provide substantial additional sources of polluted runoff.

- Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts related to hydrology, drainage, and water quality.

HAZARDS AND HAZARDOUS MATERIALS

- Future development in accordance with the proposed General Plan 2035 could result in an increased risk of upset associated with the routine use, generation, transport, or disposal of hazardous materials, which may potentially pose a health or safety hazard.

- Accidental release of hazardous materials used, stored, or transported in the City as a result of implementation of the proposed General Plan 2035 could result in a public health risk.

- Future development associated with implementation of the proposed General Plan 2035 could impact hazardous material sites listed on Government Code Section 65962.5 and create a significant hazard to the public or the environment.

- New structures built within the vicinity of the local airport or private airstrip could result in a safety hazard for people residing or working within the area.

- Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts to public health and safety.

WASTEWATER

- Implementation of the proposed General Plan 2035 could result in increased demand for wastewater services and infrastructure.

- Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to wastewater systems due to increased demand and creating the need for additional facilities.

FIRE PROTECTION

- Buildout of the City in accordance with the proposed General Plan 2035 could increase the number of homes or businesses susceptible to wildland fire hazards.

SCHOOL FACILITIES

- Buildout of the City in accordance with the proposed General Plan 2035 could result in adverse physical impacts to facilities within the Murrieta Valley Unified School District, Menifee Unified School District, Perris Unified School District, and Hemet Unified School.

- Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to school facilities.

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Section 9.0:

Significant Environmental Effects Which Cannot Be Avoided If The Proposed Action Is Implemented

9.0 SIGNIFICANT ENVIRONMENTAL EFFECTS WHICH CANNOT BE AVOIDED IF THE PROPOSED ACTION IS IMPLEMENTED

The *California Environmental Quality Act* (*CEQA*) *Guidelines* Section 15126(b) requires an Environmental Impact Report (EIR) to "describe any significant impacts, including those which can be mitigated but not reduced to a level of insignificance. Where there are impacts that cannot be alleviated without imposing an alternative design, their implications, and the reasons why the project is being proposed, notwithstanding their effect, should be described."

Section 5.0 of this EIR provides a description of the potential environmental impacts of the proposed project and recommends General Plan policies and implementation measures as well as mitigation measures to reduce impacts to a less than significant level, where possible. After implementation of the recommended policies, implementation measures, and mitigation measures, most of the potentially significant impacts associated with the proposed project would be reduced to less than significant levels. However, the impacts listed below could not be feasibly mitigated and would result in a significant unavoidable impact associated with approval of the proposed General Plan 2035.

LAND USE

- Consistency with the Riverside County Airport Land Use Compatibility Plan

TRAFFIC AND CIRCULATION

- **Roadway Segments (Project and Cumulative Impacts).** Even with installation of the recommended improvements, implementation of the proposed General Plan 2035 would result in unacceptable levels of service on the roadway segments shown as LOS D in green, LOS E in yellow, and LOS F in red on *Exhibit 5.4-14*. Thus, impacts are concluded to be significant unavoidable impacts for the roadway segments shown as LOS D, LOS E, and LOS F on *Exhibit 5.4-14*.

- **Intersections (Project and Cumulative Impacts).** Even with implementation of the enhanced geometrics, the following 16 intersections are projected to operate at levels of service that do not meet the City's standards, and thus result in a significant unavoidable significant impact.

  - Intersection 1: Menifee Road / Scott Road
  - Intersection 3: Winchester Road – SR-79 / Scott Road
  - Intersection 4: Antelope Road / Keller Road
  - Intersection 9: Antelope Road / Golden City Drive – Baxter Road
  - Intersection 10: Whitewood – Meadowlark / Golden City Drive – Baxter Road
  - Intersection 18: California Oaks Road / Clinton Keith Road
  - Intersection 20: I-215 NB Off-Ramp / Clinton Keith Road
  - Intersection 22: Meadowlark – Whitewood Road / Clinton Keith Road
  - Intersection 25: Winchester Road – SR-79 / Clinton Keith Road – Benton Road
  - Intersection 28: Jefferson Avenue / Murrieta Hot Springs Road
  - Intersection 44: Jefferson Avenue / Kalmia Street
  - Intersection 52: Winchester Road (SR-79) / Murrieta Hot Springs Road
  - Intersection 53: Hancock Avenue / Los Alamos Road
  - Intersection 54: I-215 SB Ramps / Los Alamos Road
  - Intersection 57: Whitewood Road / Murrieta Hot Springs Road
  - Intersection 59: Nutmeg Street / Clinton Keith Road

AIR QUALITY

- Short-Term Construction Emissions
- Long-Term Mobile and Stationary Source Emissions
- Cumulative Short-Term Construction Emissions Impacts
- Cumulative Long-Term Mobile and Stationary Source Emissions

NOISE

- Cumulative Long-Term Operational Noise Impacts

PARKS AND RECREATION FACILITIES

- Parks and Recreational Facilities – Project and Cumulative Impacts

Section 10.0

References

10.0 REFERENCES

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Section 11.0

Mitigation Monitoring Program

11.0 MITIGATION MONITORING AND REPORTING PROGRAM

Section 1.0 and Section 5.0 of this EIR identify the mitigation measures that will be implemented to reduce the impacts associated with the Murrieta General Plan 2035 project. The *California Environmental Quality Act* (*CEQA*) was amended in 1989 to add Section 21081.6, which requires a public agency to adopt a monitoring and reporting program for assessing and ensuring compliance with any required mitigation measures applied to proposed development. As stated in *Public Resources Code* Section 21081.6,

> *. . . the public agency shall adopt a reporting or monitoring program for the changes to the project which it has adopted, or made a condition of project approval, in order to mitigate or avoid significant effects on the environment.*

Public Resources Code Section 21081.6 provides general guidelines for implementing mitigation monitoring programs and indicates that specific reporting and/or monitoring requirements, to be enforced during project implementation, shall be defined prior to final certification of the EIR.

The mitigation monitoring table below lists those mitigation measures that may be included as conditions of approval for the project. These measures correspond to those outlined in Section 1.0 and discussed in Section 5.0. To ensure that the mitigation measures are properly implemented, a monitoring program has been devised which identifies the timing and responsibility for monitoring each measure. The applicant/developer of specific future projects will have the responsibility for implementing the measures, and the various City of Murrieta departments will have the primary responsibility for monitoring and reporting the implementation of the mitigation measures.

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
AESTHETICS							
AES-1	For future development located in or immediately adjacent to residentially zoned properties, construction documents shall include language that requires all construction contractors to strictly control the staging of construction equipment and the cleanliness of construction equipment stored or driven beyond the limits of the construction work area. Construction equipment shall be parked and staged within the project site, as distant from the residential use, as reasonably possible. Staging areas shall be screened from view from residential properties.	During Pre-Construction and Construction	Review and Approval of Construction Documents Periodic Site Inspections During Construction	City of Murrieta Planning Department and Building and Safety Department			
AES-2	Construction documents shall include language requiring that construction vehicles be kept clean and free of mud and dust prior to leaving the development site. Streets surrounding the development site shall be swept daily and maintained free of dirt and debris.	During Pre-Construction and Construction	Review and Approval of Construction Documents Periodic Site Inspections During Construction	City of Murrieta Planning Department and Building and Safety Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
AES-3	Construction worker parking may be located off-site with prior approval by the City. On-street parking of construction worker vehicles on residential streets shall be prohibited.	During Pre-Construction and Construction	Review and Approval of Construction Documents Periodic Site Inspections During Construction	City of Murrieta Planning Department and Building and Safety Department			
NOISE							
NOI-1	The City shall require future developments to implement the following measures to reduce the potential for human annoyance and architectural/structural damage resulting from elevated groundborne noise and vibration levels. ▪ Pile driving within a 50-foot radius of historic structures shall utilize alternative installation methods where possible (e.g., pile cushioning, jetting, predrilling, cast-in-place systems, resonance-free vibratory pile drivers). ▪ The preexisting condition of all designated historic buildings within a 50-foot radius of proposed construction activities shall be evaluated during a preconstruction survey. The preconstruction survey shall determine conditions that exist before construction begins for use in evaluating damage caused by construction activities. Fixtures and	Prior to Issuance of Grading Permit During Construction	Periodic Site Inspections During Grading and Construction	City of Murrieta Planning Department and Building and Safety Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
	finishes within a 50-foot radius of construction activities susceptible to damage shall be documented (photographically and in writing) prior to construction. All damage shall be repaired back to its preexisting condition. Vibration monitoring shall be conducted prior to and during pile driving operations occurring within 100 feet of the historic structures. Every attempt shall be made to limit construction-generated vibration levels in accordance with Caltrans recommendations during pile driving and impact activities in the vicinity of the historic structures.						
NOI-2	Residential projects located within the 55 CNEL noise contour for the French Valley Airport shall be subject to review by the Riverside County Airport Land Use Commission and shall be required to ensure interior noise levels from aircraft operations are at or below 45 dB CNEL.	Prior to Issuance of Grading Permit During Construction	Review by Riverside County Airport Land Use Commission	City of Murrieta Planning Department and Building and Safety Department			
GEOLOGY							
GEO-1	Prior to issuance of a Grading Permit for each future development project, a registered geologist or soils engineer shall prepare an area-specific Geologic Study, which shall be submitted to the Public Works or Building and Safety Department for approval. The Geologic Study shall specify the measures necessary to mitigate impacts related to fault rupture, groundshaking, landslides, liquefaction or dynamic settling, expansive or collapsible soils, lateral spreading, and	Prior to Issuance of a Grading Permit During Construction	Review and Approval of Geologic Study Issuance of Grading Permit Site Inspections	City of Murrieta Planning Department and Building and Safety Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
	other geologic and seismic hazards, if any. All recommendations in the Geologic Study shall be implemented during area preparation, grading, and construction.						
GEO-2	Prior to issuance of any Grading Permit, project applicants of future development projects shall comply with each of the recommendations detailed in the Geotechnical Study, and other such measure(s) as the City deems necessary to adequately mitigate potential seismic and geotechnical hazards.	Prior to Issuance of a Grading Permit During Construction	Review and Approval of Geologic Study Issuance of Grading Permit Site Inspections	City of Murrieta Planning Department and Building and Safety Department			
CULTURAL RESOURCES							
CR-1	Future development projects shall continue to be evaluated for cultural resources by the City of Murrieta through review by the Eastern Information Center (EIC) and notification of and consultation with the local tribes for new entitlement projects. The projects shall be evaluated for compliance with the California Environmental Quality Act (CEQA) and where feasible, avoidance of cultural resources. If, following review by the EIC and/or tribal consultation, it is determined that there is a potential for impacts to cultural resources, further cultural resources analysis by a qualified professional(s), as defined in Mitigation Measure CR-2, may be required by the City.	During Site Plan Review	Completion of cultural resource review by Eastern Information Center Completion of Cultural Resources Analysis	City of Murrieta Planning Department and Building and Safety Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
CR-2	In the event that cultural resources (archaeological, historical, paleontological) resources are inadvertently unearthed during excavation and grading activities of any future development project, the contractor shall cease all earth-disturbing activities within a 100-foot radius of the area of discovery. If not already retained due to conditions present pursuant to Mitigation Measure CR-1, the project proponent shall retain a qualified professional (i.e., archaeologist, historian, architect, paleontologist, Native American Tribal monitor), subject to approval by the City of Murrieta to evaluate the significance of the find and appropriate course of action (refer to Mitigation Measures CR-1 and CR-3). If avoidance of the resources is not feasible, salvage operation requirements pursuant to Section 15064.5 of the CEQA Guidelines shall be followed. After the find has been appropriately avoided or mitigated, work in the area may resume.	During Excavation and Grading Activities	On-Site Archaeological Monitor, if Archaeological, Historical, or Paleontological Resources are Discovered	City of Murrieta Planning Department and Building and Safety Department			
CR-3	In the event that human remains are unearthed during excavation and grading activities of any future development project, all activity shall cease immediately. Pursuant to State Health and Safety Code Section 7050.5, no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner shall within 24 hours notify the Native American Heritage Commission (NAHC). The NAHC shall then	During Excavation and Grading Activities	On-Site Monitor Report to Riverside County Coroner's Office, if Human Remains are Discovered	City of Murrieta Planning Department and Building and Safety Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
	contact the most likely descendant of the deceased Native American, who shall serve as consultant on how to proceed with the remains.						
HYDROLOGY, DRAINAGE, AND WATER QUALITY							
HYD-1	Prior to issuance of any Grading or Building Permit, and as part of the future development's compliance with the NPDES requirements, a Notice of Intent shall be prepared and submitted to the San Diego RWQCB providing notification and intent to comply with the State of California General Construction Permit. Also, a Stormwater Pollution Prevention Plan (SWPPP) shall be reviewed and approved by the Director of Public Works and the City Engineer for water quality construction activities on-site. A copy of the SWPPP shall be available and implemented at the construction site at all times. The SWPPP shall outline the source control and/or treatment control BMPs to avoid or mitigate runoff pollutants at the construction site to the "maximum extent practicable." All recommendations in the Plan shall be implemented during area preparation, grading, and construction. The project applicant shall comply with each of the recommendations detailed in the Study, and other such measure(s) as the City deems necessary to mitigate potential stormwater runoff impacts.	Prior to Issuance of any Grading or Building Permit During Construction	Review and Approval of SWPPP Issuance of Grading or Building Permits Site Inspections	City of Murrieta Public Works and Engineering Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
HYD-2	Prior to issuance of any Grading Permit, future development projects shall prepare, to the satisfaction of the Director of Public Works and the City Engineer, a Water Quality Management Plan or Stormwater Mitigation Plan, which includes Best Management Practices (BMPs), in accordance with the Riverside County DAMP and the Murrieta WQMP. All recommendations in the Plan shall be implemented during post construction/operation phase. The project applicant shall comply with each of the recommendations detailed in the Study, and other such measure(s) as the City deems necessary to mitigate potential water quality impacts.	Prior to Issuance of Grading Permits During Construction During Development Operations (Post Construction)	Review and Approval of WQMP Issuance of Grading Permit Site Inspections	City of Murrieta Public Works and Engineering Department			
HAZARDS AND HAZARDOUS MATERIAL							
HHM-1	The Community Development Department, in cooperation with the Murrieta Fire Department and the Riverside County Community Health Agency, Materials Management Division, shall provide information to businesses on viable alternatives to hazardous materials. Create an informational pamphlet with existing hazardous material substitutions and retailers that sell the materials. Offer the information to applicable business owners who are required to file as a hazardous waste handler in the City.	In Conjunction with Implementation of General Plan	Update and Provide Information to Businesses on Alternatives to Hazardous Waste	City of Murrieta Planning Department and Building and Safety Department/ Murrieta Fire Department/ Riverside County Department of Public Health			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
HHM-2	The Community Development Department, in cooperation with the Murrieta Fire Department and the Riverside County Community Health Agency, Materials Management Division, provide information on viable alternatives to household hazardous materials on the City's website so households may use alternatives. Information will also educate the public to the health, safety, and environmental benefits of using non-hazardous substitutions.	In Conjunction with Implementation of General Plan	Update City of Murrieta Official Website with Information on Alternatives to Household Hazardous Waste Material	City of Murrieta Planning Department and Building and Safety Department/ Murrieta Fire Department/ Riverside County Department of Public Health			
HHM-3	Prior to development approval on a project-by-project basis, the project applicant shall confirm the presence or absence of hazardous materials pertaining to the release of hazardous materials into the soil, surface water, and/or groundwater. If necessary, development shall undergo site characterization and remediation on a project-by-project basis, per applicable Federal, State, and/or local standards and guidelines set by the applicable regulatory agency.	Prior to Development Approval on a Project-by-Project Basis	Periodic Site Inspections During Demolition, Grading and Construction	City of Murrieta Planning Department and Building and Safety Department/ Murrieta Fire Department/ Riverside County Department of Public Health			
HHM-4	The project applicant shall comply with the requirements of the Federal Aviation Administration (FAA) should any portions of the development be within a height overlay review zone or encroach within an imaginary surface surrounding the French Valley Airport. A Notice of Proposed Construction or Alteration (Form 7460-1) may be required by the FAA in accordance with Federal Aviation Regulations Part 77.	Prior to Development Approval on a Project-by-Project Basis	Review and Approval of Site Plans	City of Murrieta Planning Department and Building and Safety Department/ Riverside County Airport Land Use Commission			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
WASTEWATER							
WW-1	Prior to issuance of a wastewater permit for any future development project, the Project Applicant shall pay applicable connection and/or user fees to RCWD, EVMWD, WMWD, or EMWD.	Prior to Issuance of a Wastewater Permit	Payment of Applicable Fees to County Sanitation Districts of Riverside County Issuance of Wastewater Permit	City of Murrieta Public Works Department/County Sanitation Districts of Riverside County			
WW-2	Prior to issuance of a building permit for any future development project, the Project Applicant shall prepare an engineering study to support the adequacy of the sewer systems and submit the engineering study to the City for review and approval. Any improvements recommended in the engineering study shall be installed prior to the certificate of occupancy for the development project.	Prior to Issuance of a Building Permit	Review/Approval of Engineering Study Issuance of Building Permit	City of Murrieta Public Works and Engineering Department			
WW-3	Prior to issuance of a building permit for any future development project, the Project Applicant shall provide evidence that the RCWD, EVMWD, WMWD, or EMWD has sufficient wastewater transmission and treatment plant capacity to accept sewage flows from buildings for which building permits are being requested.	Prior to Issuance of a Building Permit	Provide Evidence of Sufficient Wastewater Transmission and Treatment Plant Capacity Issuance of Building Permit	City of Murrieta Public Works and Engineering Department/County Sanitation Districts of Riverside County			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
WILDLAND FIRE HAZARDS							
FP-1	The Murrieta Fire Department shall review future development projects to determine if a Fuel Modification Plan is required. If required, project applicants shall prepare the Fuel Modification Plan in accordance with Fire Department requirements prior to the issuance of a grading or building permit.	Prior to Issuance of Grading or Building Permit	Review and Approval of Fuel Modification Plan	Murrieta Fire Department			
FP-2	Brush clearance shall be conducted prior to initiation of construction activities in accordance with Murrieta Fire Department requirements.	Prior to Initiation of Construction Activities	Review and Approval of Site Plans Periodic Site Inspections During Construction	Murrieta Fire Department			
FP-3	Adequate access to all buildings on the project site shall be provided for emergency vehicles during the building construction process.	During Construction	Review and Approval of Site Plans Periodic Site Inspections During Construction	Murrieta Fire Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
FP-4	Adequate water availability shall be provided to service construction activities.	During Construction	Review and Approval of Site Plans Periodic Site Inspections During Construction	Murrieta Fire Department			
SCHOOL FACILITIES							
SCH-1	Prior to the issuance of certificate of occupancy, individual project applicants shall submit evidence to the City of Murrieta that legally required school impact mitigation fees have been paid per the mitigation established by the applicable school district.	Prior to the Issuance of Certificate of Occupancy	Fee Payment Prior to Issuance of Certificate of Occupancy	City of Murrieta Planning Department			

the future of southern california
Murrieta
General Plan Update

Section 12.0

Comments and Responses

12.0 COMMENTS AND RESPONSES

12.1 CEQA REQUIREMENTS

Before approving a project, the *California Environmental Quality Act* (*CEQA*) requires the Lead Agency to prepare and certify a Final Environmental Impact Report (EIR).

In accordance with *CEQA Guidelines* Sections 15120 through 15132 and Section 15161, the City of Murrieta has prepared an EIR for the General Plan 2035 (SCH #2010111084). The Comments and Responses section, combined with the Draft EIR and Mitigation Monitoring Program, comprise the Final EIR.

The following is an excerpt from the *CEQA Guidelines* Section 15132, Contents of Final Environmental Impact Report:

The Final EIR shall consist of:

(a) The Draft EIR or a version of the draft.

(b) Comments and recommendations received on the Draft EIR either verbatim or in summary.

(c) A list of persons, organizations, and public agencies commenting on the Draft EIR.

(d) The responses of the Lead Agency to significant environmental points raised in the review and consultation process.

(e) Any other information added by the Lead Agency.

This Comments and Responses section includes all of the above-required components and shall be attached to the Final EIR. As noted above, the Final EIR will be a revised document that incorporates all of the changes made to the Draft EIR following the public review period.

12.2 PUBLIC REVIEW PROCESS – DRAFT EIR

The Draft EIR was circulated for review and comment to the public, agencies, and organizations. The Draft EIR was also circulated to State agencies for review through the State Clearinghouse, Office of Planning and Research. The 45-day public review period ran from February 8, 2010 to March 24, 2010. Comments received during the 45-day public review period from the public and local and State agencies on the Draft EIR have been incorporated into this section.

12.3 FINAL EIR

The Final EIR allows the public and Lead Agency an opportunity to review revisions to the Draft EIR, the responses to comments, and other components of the EIR, such as the Mitigation Monitoring Program, prior to approval of the project. The Final EIR serves as the environmental document to support a decision on the proposed project.

After completing the Final EIR, and before approving the project, the Lead Agency must make the following three certifications as required by *CEQA Guidelines* Section 15090:

- That the Final EIR has been completed in compliance with *CEQA*;
- That the Final EIR was presented to the decision-making body of the Lead Agency, and that the decision-making body reviewed and considered the information in the Final EIR prior to approving the project; and
- That the Final EIR reflects the Lead Agency's independent judgment and analysis.

Additionally, pursuant to *CEQA Guidelines* Section 15093(b), when a Lead Agency approves a project that would result in significant, unavoidable impacts that are disclosed in the Final EIR, the agency must submit in writing its reasons for supporting the approved action. This Statement of Overriding Considerations is supported by substantial information in the record, which includes the Final EIR. Since the proposed project would result in significant, unavoidable impacts, the Lead Agency would be required to adopt a Statement of Overriding Considerations if it approves the proposed project.

These certifications, the Findings of Fact, and the Statement of Overriding Considerations are included in a separate Findings document. Both the Final EIR and the Findings will be submitted to the Lead Agency for consideration of the proposed project.

12.4 WRITTEN COMMENT LETTERS AND RESPONSES

All correspondence from those agencies or individuals commenting on the Draft EIR is reproduced on the following pages. The individual comments on each letter have been consecutively numbered for ease of reference. Following each comment letter are responses to each numbered comment. A response is provided for each comment raising significant environmental issues. Added or modified text is underlined (example), while deleted text will have a strike out (~~example~~) through the text, and is included in a box, as the example below shows.

~~"Text from EIR"~~ Text from EIR

Comment Letters

A total of 19 written comment letters were received; 18 during the 45-day public review period and one following the close of the public review period.

A. Endangered Habitats League, dated February 17, 2011, received by City via email February 17, 2011

B. Rancho California Water District, dated March 16, 2011, received by City March 17, 2011

C. Native American Heritage Commission, dated March 17, 2011, received by City March 21, 2011

D. Department of Toxic Substances Control, dated March 21, 2011, received by City March 22, 2011

E. Pechanga Cultural Resources, dated March 22, 2011, received by City via email March 22, 2011

F. Regional Conservation Authority, dated March 24, 2011, received by City via email March 24, 2011

G. South Coast Air Quality Management District, dated March 24, 2011, received via email March 24, 2011

H. City of Menifee, dated March 24, 2011, received via email March 24, 2011 (also including March 9, 2011 letter with this)

I. Antelope Meadowlark 56, LLC, dated March 24, 2011, received by City March 28, 2011 (Received after close of 45-day review period)

J. Johnson & Sedlack, Attorneys at Law, received via email March 24, 2011

K. State Clearinghouse, dated March 25, 2011

L. MaryAnn Shusan Miller, dated March 8, 2011, received by City March 9, 2011

M. CQLM, dated March 9, 2011, received by City March 9, 2011

N. CQLM, dated March 15, 2011, received by City March 15, 2011

O. CQLM, dated March 23, 2011, received by City March 23, 2011

P. Michael O'Donnell, received at March 23, 2011 PC Hearing

Q. Mary Anne Lindsley, received at March 23, 2011 PC Hearing

R. Raul and Gayle Vergara, received at March 23, 2011 PC Hearing

S. CQLM, dated March 23, 2011 – revised March 24, 2011, received by City March 24, 2011

ENDANGERED HABITATS LEAGUE
DEDICATED TO ECOSYSTEM PROTECTION AND SUSTAINABLE LAND USE
EHL

February 17, 2011

Greg Smith, Associate Planner
City of Murrieta
Community Development Dept
1 Town Square
Murrieta CA 92562

RE: General Plan 2035 and DEIR

Dear Mr. Smith:

The Endangered Habitats League (EHL) appreciates the opportunity to comment on the Daft General Plan 2035 and its DEIR. For your reference, EHL is Southern California's only regional conservation group. For over a decade, EHL has been involved in the development and implementation of Western Riverside County's Multiple Species Habitat Conservation Plan (MSHCP) A-1

EHL supports the City's participation in MSHCP as the primary mechanism for mitigation of biological impacts associated with infrastructure and development. The MSHCP's benefits are reflected both in the draft General Plan 2035 goals and policies and in the City's environmental mitigation strategy in the DEIR for the Plan. A-2

The value of the MSHCP lies particularly in its mitigation of impacts on a project specific and cumulative basis. Through its participation, the City confers upon itself and third party landowner beneficiaries the time and cost-saving benefit of tiering off the MSHCP EIR/EIS to disclose, analyze and mitigate biological impacts. A-3

If the City were to withdraw from the MSHCP, a major revision to the General Plan and DEIR would be required, along with the development of alternative mitigation measures. Withdrawal would also have expensive and time-consuming ramifications for public and private beneficiaries, as impact analyses and mitigation strategies would need to be developed on a project-by-project basis. Such a decision would also irretrievably set back the region's efforts to preserve its natural heritage and quality of life. A-4

Please retain EHL on all mailing and distribution lists for this project.

Sincerely,

Dan Silver
Executive Director

8424-A SANTA MONICA BLVD., #592, LOS ANGELES, CA 90069-4267 • WWW.EHLEAGUE.ORG • PHONE 213.804.2750 • FAX 323.654.1931

A. RESPONSES TO COMMENTS FROM DAN SILVER, EXECUTIVE DIRECTOR, ENDANGERED HABITATS LEAGUE, DATED FEBRUARY 17, 2011.

A1. The comment letter acknowledges receipt of the Draft EIR, and the Endangered Habitats League's (EHL) role in the development and implementation of the Western Riverside County's Multiple Species Habitat Conservation Plan (MSHCP). The comment letter does not raise any issues with respect to the contents of the Draft General Plan 2035 or the Draft Environmental Impact Report (EIR), or any environmental issue regarding the proposed project, therefore, no further response is necessary.

A2. EHL supports the goals and policies in the Draft General Plan 2035 and the mitigation strategy discussed in the Draft EIR. This comment is acknowledged. No further response is necessary.

A3. EHL comments that the City's participation in the MSHCP provides time and cost savings to landowners through the use of tiering off both the MSCHP EIR/EIS and the Draft EIR to disclose, analyze and mitigate biological impacts. This comment is acknowledged. No further response is necessary.

A4. EHL notes the potential implications associated with the City withdrawing from the MSHCP. This comment is acknowledged. No further response is necessary.

COMMENT LETTER B

CITY OF MURRIETA
MAR 17 2011
RECEIVED
PLANNING DEPT.

Rancho Water

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Perry R. Louck
Director of Planning

Andrew L. Webster, P.E.
Chief Engineer

Kelli E. Garcia
District Secretary

James B. Gilpin
Best Best & Krieger LLP
General Counsel

March 16, 2011

Greg Smith, Associate Planner
City of Murrieta
Community Development Department
1 Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

SUBJECT: CITY OF MURRIETA GENERAL PLAN – PUBLIC REVIEW OF DRAFT GENERAL PLAN AND ENVIRONMENTAL IMPACT REPORT

Dear Mr. Smith:

Rancho California Water District (RCWD) appreciates the opportunity to provide comments for the Public Review of the Draft City of Murrieta General Plan and the Draft Environmental Impact Report (EIR). RCWD's comments are as follows:

GENERAL PLAN 2035

CHAPTER 3: LAND USE ELEMENT

Exhibit 3-5: the General Plan 2035 Land Use Policy Map should be revised to show all RCWD-owned property as Civic/Institutional land use. B-1

CHAPTER 5: CIRCULATION ELEMENT

Exhibit 5-10: the General Plan 2035 Circulation Map indicates a proposed secondary roadway, Hayes Avenue, between Elm Street and Cherry Street. This proposed roadway was not identified on previous City of Murrieta Circulation Maps and RCWD questions the purpose of this road to be constructed through RCWD property. B-2

CHAPTER 6: INFRASTRUCTURE ELEMENT

Pg. 6-2, Wastewater, 2nd paragraph: RCWD operates only one water reclamation plant within the City of Murrieta. RCWD had in the past operated two; however, one has been partially demolished and removed from service. B-3

CHAPTER 6: INFRASTRUCTURE ELEMENT

Pg. 6-3, Recycled Water, 2nd paragraph: Similar to EMWD, RCWD has a mandatory recycled water use ordinance requiring customers to use recycled water for appropriate permitted uses and is not limited to golf course and major park areas. B-4

CHAPTER 8: CONSERVATION ELEMENT

Pg. 8-3, Upper Santa Margarita Integrated Regional Water Management Plan: The following additional information in bold, italics, and underlined is suggested – "Through the IRWMP, stakeholders collaborate across jurisdictional boundaries to implement water resource management projects ***to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions***. These stakeholders include regional water agencies, flood control districts, ***water districts,*** counties, cities, ***land and nature conservancies, universities, Indian tribes, Camp Pendleton Marine Corps Base, and other*** federal, state, and local agencies." B-5

ENVIRONMENTAL IMPACT REPORT

SECTION 5.15: WATER SUPPLY

Section 5.15.1 Regulatory Setting, pg. 5-15.2, California Water Plan, 3rd paragraph: The Plan was last updated in 2009 and DWR is working on the next plan for 2013, which is called the 2013 California Water Plan Update. B-6

Section 5.15.1 Regulatory Setting, pg. 5-15.4, California Title 22 Drinking Water Standards, 1st paragraph, 2nd sentence: Recommend adding language to make it clear that monitoring of chemicals by water agencies is only required in the water supply. Example change: "...the monitoring of all regulated chemicals, as well as a number of unregulated chemicals, ***in the drinking water supply***, as required by Title 22, is conducted by water agencies in the upper watershed." B-7

Section 5.15.1 Regulatory Setting, pg. 5-15.5, Upper Santa Margarita Integrated Regional Water Management Plan, 2nd paragraph: Same general comment as above for Chapter 8: Conservation Element, Pg. 8-3 of the General Plan. Suggestion: "Through the IRWMP, regional water agencies, flood control districts, ***water districts,*** counties, cities, ***land and nature conservancies, universities, Indian tribes, Camp Pendleton Marine Corps Base,*** federal, state, local agencies, and other stakeholder groups collaborate across jurisdictional boundaries to implement water resource management projects ***to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions***." B-8

Section 5.15.1 Regulatory Setting, pgs. 5-15.5 and 5-15.6: WMWD and EMWD Urban Water Management Plans (UWMP) are discussed; RCWD's UWMP is not included, but should be. In addition, RCWD has prepared and adopted a Regional Integrated Resources Plan (IRP). Both documents should be briefly discussed. The following is suggested language for each: B-9

Rancho California Water District

URBAN WATER MANAGEMENT PLAN

Rancho California Water District (RCWD) provides retail water for urban and agricultural uses to the City of Temecula, portions of the City of Murrieta, and unincorporated Riverside County lands in the surrounding area. RCWD comprises approximately 100,000 acres (~156 square miles) in the southwestern portion of Riverside County, California.

The RCWD UWMP complies with the Urban Water Management Planning Act. The Plan provides an assessment of water sources and supply, reliability of supplies, water use efficiency measures, and water demand and supply comparison. In addition, recent legislation, the Water Conservation Bill of 2009, requires urban water suppliers to report in their UWMPs base daily per capita water use (baseline), urban water use targets for the year 2020, and interim water use targets for the year 2015. This information will be included in RCWD's 2010 UWMP Update, which is anticipated to be adopted by July 1, 2011.

REGIONAL INTEGRATED RESOURCES PLAN

RCWD prepared a Regional Integrated Resources Plan (IRP) to develop a long-range water supply plan to reliably meet the needs of the District through 2050. The IRP addresses issues of imported water supply availability, system capacity constraints, rising imported water costs, and water quality. The IRP evaluates and examines a set of water supply objectives against different water supply alternatives such as increased water conservation, additional groundwater storage and reuse, conversion of agriculture from imported water to untreated water or advanced-treated recycled water, groundwater recharge using advanced-treated recycled water, and water transfers. The evaluation resulted in a preferred plan to meet the objectives and resulted in the following benefits: 1) increased groundwater production; 2) increased use of recycled water; 3) reducing peak imported water demand; and 4) water supply cost efficiency through multiple measures. B-9

Section 5.15.2 Environmental Setting, Rancho California Water District, pg. 5-15.13: The discussion of RCWD's current service area should be corrected to 2010 data on the following items: 37 storage reservoirs; 48 groundwater wells, and 133,200 people are served (population) through 42,988 service connections. B-10

Data for Table 5.15-2 RCWD Planned Water Supplies are currently under development for the 2010 UWMP Update and will be available within the next few weeks. Early information shows the following, which is substantially different than that in the 2005 IRP as currently noted in the Public Review Draft EIR: B-11

RCWD Water Supply Source	2010	2015	2020	2025	2030	2035
Imported Water (MWD)						
Treated	37,214	45,527	50,723	52,131	52,577	54,375
Untreated[1]	16,500	16,500	16,500	16,500	16,500	16,500
Local Groundwater	25,000	26,000	26,000	26,000	26,000	26,000
Recycled Water	4,593	4,972	3,854	3,854	3,854	3,854
Total	**83,307**	**92,999**	**97,077**	**98,485**	**98,931**	**100,729**

Source: RCWD projection for average annual water demand in the 2010 UWMP Update.
1. Used for groundwater recharge, surface water discharge to the Santa Margarita River, and eastern service area agriculture (after conversion of system).

Section 5.15.4 Project Impacts and Mitigation Measures, Water Supply, pg. 5-15.19, 3rd paragraph: This paragraph should reference the 2010 UWMPs for each agency, since each agency is working on their 2010 UMWP Update and should be able to provide the city with current data for 2030 projections. Therefore, the total AF/Y for RCWD for the year 2030 should be changed to 98,931 to reflect the change in Table 5.15-2, as shown above. B-12

If you should have any questions or need additional information, please call me at this office at (951) 296-6900.

Sincerely,

RANCHO CALIFORNIA WATER DISTRICT

Andrew L. Webster, P.E.
Chief Engineer

cc: Warren Back, Engineering Planning Manager
Denise Landstedt, Water Resources Planner

11\AW:lm020\FEG

B. RESPONSES TO COMMENTS FROM ANDREW L. WEBSTER, P.E., CHIEF ENGINEER, RANCHO CALIFORNIA WATER DISTRICT, DATED MARCH 16, 2011.

B1. The Commentator has suggested the inclusion of all RCWD-owned property to be illustrated as Civic and Institutional Land Use on *Exhibit 3-5*, *General Plan 2035 Land Use Policy Map* of the Draft General Plan 2035. The City has no concerns with the proposed suggestion; however, it will be important that RCWD and the City work together to correctly identify and designate the RCWD-owned property. Therefore, revisions to *Exhibit 3-5* will be made in the Final General Plan 2035 and Final EIR.

B2. Refer to the Chapter 5, Circulation Element, pages 5-10 thru 5-11 of the Draft General Plan 2035. The future roadway network generally conforms to the previously adopted Circulation Element (2006). The extension of Hayes from Cherry Street to Elm Street was shown on the 2006 Circulation Element map. With the proposed General Plan 2035, the City has identified additional or new changes to the roadway network that have been incorporated into the travel demand model. Other changes in the model were made in order to reflect how the roadways generally function. Changes include Elm Street between Hayes Avenue and Washington Avenue; and Hayes Avenue between south City boundary and Elm Avenue, modeled as Secondary roadways. The location of Hayes Road on *Exhibit 5-10* in the Draft General Plan 2035 is an approximate location as an exact alignment has not yet been determined. The City will need to prepare alignment studies that will be available for review by RCWD and the public.

B3. The Commentator has suggested revising wording regarding the wastewater discussion within Chapter 6, Infrastructure Element, page 6-2 of the Draft General Plan 2035 as the wording is outdated. RCWD operates only one water reclamation plant within the City. In the past RCWD operated two plants; however, one has been partially demolished and removed from service. Text on page 6-2 of the Draft General Plan 2035 will be revised as follows in the Final General Plan 2035:

WASTEWATER

Wastewater collection for the City and Sphere of Influence areas is provided by the same four water districts that provide potable water: WMWD, EMWD, RCWD, and EVMWD. Only RCWD and EMWD provide wastewater treatment; RCWD operates ~~two~~ one water reclamation plant~~s~~ within the City of Murrieta. Wastewater flows from the other districts discharge into RCWD and EMWD interceptors for treatment.

B4. The Commentator has suggested revising wording regarding the recycled water discussion within Chapter 6, Infrastructure Element, page 6-3 of the Draft General Plan 2035. Similar to EMWD, RCWD has a mandatory recycled water use ordinance requiring customers to use recycled water for appropriate permitted uses and is not limited to golf course and major park areas. Text on page 6-3 of the Draft General Plan 2035 will be revised as follows in the Final General Plan 2035:

RECYCLED WATER

EMWD operates a recycled water system, with costs and responsibilities shared through an agreement with RCWD and EVMWD. RCWD and EMWD ~~has~~ have a mandatory recycled water use ordinance requiring customers to use recycled water for appropriate permitted uses~~, when it is available~~ and is not limited to golf course and major park areas. ~~RCWD also operates a recycled water system and seeks to provide tertiary treated wastewater to golf courses and major park areas.~~

B5. The Commentator has suggested revising wording regarding the Upper Santa Margarita Integrated Regional Water Management Plan discussion within Chapter 8, Conservation Element, page 8-3 of the Draft General Plan 2035. Text on page 8-3 of the Draft General Plan 2035 will be revised as follows in the Final General Plan 2035:

UPPER SANTA MARGARITA INTEGRATED REGIONAL WATER MANAGEMENT PLAN

The intent of the IRWMP is to enable greater watershed-wide coordination and management of water resources within the Santa Margarita Watershed as a whole, as well as adjoining watershed and regional planning and funding efforts. Through the IRWMP, stakeholders collaborate across jurisdictional boundaries to implement water resource management projects to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions. These stakeholders include regional water agencies; flood control districts; water districts; counties; cities; land and nature conservancies; universities; Indian tribes; Camp Pendleton Marine Corps Base; and other federal, state, and local agencies.

B6. The Commentator has suggested revising wording regarding the California Water Plan discussion within Section 5.15, Water Supply, page 5.15-2 of the Draft EIR. Text on page 5.15-2 of the Draft EIR will be revised as follows in the Final EIR:

STATE

California Water Plan

The Plan was last updated in ~~2005~~ 2009. The Department of Water Resources is ~~expected to approve a subsequent update in 2010~~ currently working on the 2013 California Water Plan Update.

B7. The Commentator has suggested the inclusion of language within Section 5.15, Water Supply, page 5.15-4 of the Draft EIR, to make it clear that monitoring of chemicals by water agencies is only required in the water supply. Text on page 5.15-4 of the Draft EIR will be revised as follows in the Final EIR:

> **California Title 22 Drinking Water Standards**
>
> *California Title 22* Drinking Water Standards (*Title 22*) incorporates the Federal requirements of the Safe Drinking Water Act, and compliance with *Title 22* is required by all water service providers. Therefore, the monitoring of all regulated chemicals, as well as a number of unregulated chemicals, in the drinking water supply, as required by *Title 22*, is conducted by water agencies in the upper watershed.

B8. Refer to Response B5. The Commentator has suggested revising wording regarding the Upper Santa Margarita Integrated Regional Water Management Plan discussion within Section 5.15, Water Supply, page 5.15-5 of the Draft EIR. Text on page 5.15-5 of the Draft EIR will be revised as follows in the Final EIR:

> **UPPER SANTA MARGARITA INTEGRATED REGIONAL WATER MANAGEMENT PLAN**
>
> The intent of the IRWMP is to pave the way for greater watershed-wide coordination and management of water resources within the Santa Margarita Watershed as a whole, as well as adjoining watershed and regional planning and funding efforts. Through the IRWMP, regional water agencies, flood control districts, water districts, counties, cities, land and nature conservancies, universities, Indian tribes, Camp Pendleton Marine Corps Base, federal, state, local agencies, and other stakeholder groups collaborate across jurisdictional boundaries to implement water resource management projects to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions. The IRWMP also provides an opportunity to provide information on the present and future needs of the watershed for the California Water Plan.

B9. The Commentator has suggested the inclusion of RCWD's UWMP and RCWD's IRP within Section 5.15, Water Supply, pages 5.15-5 thru 5.15-6. Text on pages 5.15-5 thru 5.15-6 of the Draft EIR will be revised as follows in the Final EIR:

> **Rancho California Water District**
>
> **URBAN WATER MANAGEMENT PLAN**
>
> RCWD provides retail water for urban and agricultural uses to the City of Temecula, portions of the City of Murrieta, and unincorporated Riverside County lands in the surrounding area. RCWD comprises approximately 100,000 acres (approximately 156

square miles) in the southwestern portion of Riverside County, California. The RCWD UWMP complies with the Urban Water Management Planning Act. The Plan provides an assessment of water sources and supply, reliability of supplies, water use efficiency measures, and water demand and supply comparison. In addition, recent legislation, the Water Conservation Bill of 2009, requires urban water suppliers to report in their UWMPs base daily per capita water use (baseline), urban water use targets for the year 2020, and interim water use targets for the year 2015. This information will be included in RCWD's 2010 UWMP Update, which is anticipated to be adopted by July 1, 2011.

REGIONAL INTEGRATED RESOURCES PLAN

RCWD prepared a Regional Integrated Resources Plan (IRP) to develop a long-range water supply plan to reliably meet the needs of the District through 2050. The IRP addresses issues of imported water supply availability, system capacity constraints, rising imported water costs, and water quality. The IRP evaluates and examines a set of water supply objectives against different water supply alternatives such as increased water conservation, additional groundwater storage and reuse, conversion of agriculture from imported water to untreated water or advanced-treated recycled water, groundwater recharge using advanced-treated recycled water, and water transfers. The evaluation resulted in a preferred plan to meet the objectives and resulted in the following benefits: 1) increased groundwater production; 2) increased use of recycled water; 3) reducing peak imported water demand; and 4) water supply cost efficiency through multiple measures.

B10. The Commentator has suggested revising the discussion regarding RCWD's current service area with 2010 data within Section 5.15, Water Supply, pages 5.15-13 as the quantities are outdated. Text on pages 5.15-13 of the Draft EIR will be revised as follows in the Final EIR:

As recently as 2010, RCWD's current service area represents 99,000 acres, and has 878 miles of water mains, ~~35~~ 37 storage reservoirs, one surface reservoir (Vail Lake), ~~53~~ 48 groundwater wells, and 133,200 people are served through ~~36,759~~ 42,988 service connections.[5]

[5] The environmental baseline for the EIR is 2009 as stated in Section 3.0, Project Description. However, the Rancho California Water District provided an update to the 2009 data presented in the Draft EIR with 2010 data that has been included in the Final EIR.

B11. The Commentator suggested revising *Table 5.15-2*, *Rancho California Water District Planned Water Supplies Acre-Feet/Year* within Section 5.15, Water Supply, page 5.15-13 as the numbers are currently under development for the 2010 UWMP Update but early information shows revised numbers. Text on page 5.15-13 of the Draft EIR will be revised as follows in the Final EIR:

Table 5.15-2
Rancho California Water District Planned Water Supplies Acre-Feet/Year[6]

Water Supply Sources	2010	2015	2020	2025	2030
Imported Water (MWD)					
Treated	~~39,310~~ 37,214	~~32,410~~ 45,527	~~20,010~~ 50,723	~~14,100~~ 52,131	~~20,700~~ 52,577
Untreated[1]	~~15,500~~ 16,500	~~28,500~~ 16,500	~~38,500~~ 16,500	~~38,500~~ 16,500	~~38,500~~ 16,500
Local Groundwater ~~Pumping~~	~~38,000~~ 25,000	~~38,000~~ 26,000	~~56,000~~ 26,000	~~56,000~~ 26,000	~~56,000~~ 26,000
Recycled Water	~~7,890~~ 4,593	~~9,090~~ 4,972	~~9,890~~ 3,854	~~24,300~~ 3,854	~~25,200~~ 3,854
Total	~~100,700~~ 83,307	~~108,000~~ 92,999	~~124,400~~ 97,077	~~132,000~~ 98,485	~~140,400~~ 98,931

Source: RCWD ~~Regional Integrated Resources Plan (CDM, 2005)~~ projection for average annual water demand in the 2010 UWMP Update.
1. Used for groundwater recharge, surface water discharge to the Santa Margarita River ~~flows to Gorge,~~ and eastern service area agriculture (after conversion of system).

The updated figures from *Table 5.15-2*, *Rancho California Water District Planned Water Supplies Acre-Feet/Year* would revise the conclusions within Section 5.15, Water Supply page 5.15-19 of the Draft EIR. Text on page 5.15-19 of the Draft EIR will be revised as follows in the Final EIR:

The 2005 UWMPs prepared for RCWD, EVMWD, WMWD, and EMWD indicate there are sufficient water supplies based on normal, dry, and multiple dry years and water shortage contingency plans to protect existing and future regional water needs through 2030. According to the UWMPs for each water district, the total planned water supply through 2030 for the RCWD, EVMWD, WMWD, and EMWD is ~~140,400~~ 98,931 AF/Y, 77,919 AF/Y, 241,649 AF/Y, and 245,200 AF/Y, respectively for a combined water supply of ~~705,168~~ 663,699 AF/Y; refer to *Table 5.15-2*, *Table 5.15-3*, *Table 5.15-4*, and *Table 5.15-5*. The City currently consumes approximately 39,179AF/Y[8] of water resources to meet all constituent existing demands; refer to *Table 5.15-1*. It is anticipated that water demand ~~would gradually increase~~ associated with implementation of the proposed General Plan 2035 would increase by ~~to~~ approximately 13,946.036 gpd or 15,632 AF/Y[9] in the year 2035; refer to *Table 5.15-6*, *Forecast Year 2035 Water Demand*. The proposed General Plan 2035 would require only ~~0.0222~~ 2.36 percent of the ~~anticipated~~ 2030 water supply from these four districts.

The updated figures from *Table 5.15-2*, *Rancho California Water District Planned Water Supplies Acre-Feet/Year* would revise the conclusions within Section 5.15, Water Supply page 5.15-21 of the Draft EIR. Text on page 5.15-21 of the Draft EIR will be revised as follows in the Final EIR:

> Future development would be reviewed by the City on a project-by-project basis to ensure adequate water supplies are available to accommodate future projects. The proposed General Plan 2035 Conservation Element includes goals and policies to ensure that a reliable water supply can be provided within the City's service area, while remaining sensitive to the climate. The proposed General Plan 2035 also includes goals and policies that promote water conservation through the use of reclaimed water and water conservation design and technology. Goal CSV-1 promotes conservation, protection, and management of water resources to meet long-term community needs, including surface waters, groundwater, imported water supplies, storm water, and waste water. Goal CSV-2 promotes compliance with requirements from the State and appropriate agencies regarding comprehensive water conservation measures to ensure sufficient water supplies for human consumption, sanitation, and fire protection. Residents and businesses in Murrieta will also need to play a role in using water resources efficiently, and this will be encouraged through education and incentives from the City and water agencies. With adherence to the proposed General Plan 2035 goals and policies and the City of Murrieta *Municipal Code Water Efficient Landscape Ordinance*, compliance with the UWMPs and Master Plans of all four water districts, coordination between the City and water districts and that ~~fact~~ Murrieta would only use ~~0.0222~~ 2.36 percent of the anticipated water from these four water districts, water supply and infrastructure impacts associated with the proposed General Plan 2035 would be reduced to a less than significant level.

The updated figures from *Table 5.15-2*, *Rancho California Water District Planned Water Supplies Acre-Feet/Year* would revise the conclusions within Section 5.15, Water Supply page 5.15-27 of the Draft EIR. Text on page 5.15-27 of the Draft EIR will be revised as follows in the Final EIR:

> Future development projects in Murrieta and the Sphere of Influence would be evaluated by the City, Riverside County, and applicable water district on a project-by-project basis to determine impacts to water supplies and infrastructure. The continued assessment of individual projects for impacts to the water supply system would assure projects would only be approved if adequate water supplies exist at the time of their implementation. New development would be required to pay its share of the costs of infrastructure improvements necessary to accommodate the project. Water districts will need to ensure their water reclamation facilities and pipeline infrastructure are planned and installed according to their UWMP projections. Additionally, coordination between the City and water districts will be essential as further development is planned. Furthermore, with adherence to the proposed General Plan 2035 goals and policies and the City of Murrieta *Municipal Code Water Efficient Landscape Ordinance*, compliance

with the UWMPs and Master Plans of all four water districts, coordination between the City and water districts and that fact Murrieta would only use ~~0.0222~~ 2.36 percent of the anticipated water from these four water districts, impacts regarding water supply, distribution, and infrastructure would be further reduced to less than significant levels. Therefore, implementation of the proposed General Plan 2035 would not result in cumulatively considerable water supply and infrastructure impacts.

B12. Refer to Response B11. No further response is necessary.

STATE OF CALIFORNIA Edmund G. Brown, Jr., Governor

NATIVE AMERICAN HERITAGE COMMISSION
915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-6251
Fax (916) 657-5390
Web Site www.nahc.ca.gov
ds_nahc@pacbell.net

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March 17, 2011

Mr. Greg Smith, Planner
CITY OF MURRIETA
1 Town Square (24601 Jefferson Avenue)
Murrieta, CA 90622

Re: SCH#2010111084; CEQA Notice of Completion; draft Environmental Impact Report (DEIR) for the: **"Murrieta General Plan Project;"** located in the City of Murrieta; Riverside County, California

Dear Mr. Smith:

The Native American Heritage Commission (NAHC), the State of California 'Trustee Agency' for the protection and preservation of Native American cultural resources. The NAHC wishes to comment on the above-referenced proposed Project.

This letter includes state and federal statutes relating to Native American historic properties of religious and cultural significance to American Indian tribes and interested Native American individuals as 'consulting parties' under both state and federal law. State law also addresses the freedom of Native American Religious Expression in Public Resources Code §5097.9. C-1

The California Environmental Quality Act (CEQA – CA Public Resources Code 21000-21177, amendments effective 3/18/2010) requires that any project that causes a substantial adverse change in the significance of an historical resource, that includes archaeological resources, is a 'significant effect' requiring the preparation of an Environmental Impact Report (EIR) per the CEQA Guidelines defines a significant impact on the environment as 'a substantial, or potentially substantial, adverse change in any of physical conditions within an area affected by the proposed project, including ...objects of historic or aesthetic significance." In order to comply with this provision, the lead agency is required to assess whether the project will have an adverse impact on these resources within the 'area of potential effect (APE), and if so, to mitigate that effect. The NAHC Sacred Lands File (SLF) search resulted in; **Native American cultural resources were identified** within the Sphere of Influence of the City of Murrieta.. The NAHC "Sacred Sites,' as defined by the Native American Heritage Commission and the California Legislature in California Public Resources Code §§5097.94(a) and 5097.96. Items in the NAHC Sacred Lands Inventory are confidential and exempt from the Public Records Act pursuant to California Government Code §6254.10. The absence of evidence of archaeological items does not indicate that they do not exist at the subsurface and/or when groundbreaking activity occurs. C-2

Early consultation with Native American tribes in your area is the best way to avoid unanticipated discoveries of cultural resources or burial sites once a project is underway. Culturally affiliated tribes and individuals may have knowledge of the religious and cultural significance of the historic properties in the project area (e.g. APE). We strongly urge that you make contact with the list of Native American Contacts on the attached list of Native American contacts, to see if your proposed project might impact Native American cultural resources and to C-3

obtain their recommendations concerning the proposed project. Consultation with Native American communities is also a matter of environmental justice as defined by California Government Code §65040.12(e). The NAHC recommends *avoidance* as defined by CEQA Guidelines §15370(a) to pursuing a project that would damage or destroy a Native American cultural resources.

Furthermore we recommend, also, that you contact the California Historic Resources Information System (CHRIS) for pertinent archaeological data within or near the APE, at (916) 445-7000 for the nearest Information Center in order to learn what archaeological fixtures may have been recorded in the APE.

C-3

Consultation with tribes and interested Native American consulting parties, on the NAHC list, should be conducted in compliance with the requirements of federal NEPA (42 U.S.C 4321-43351) and Section 106 and 4(f) of federal NHPA (16 U.S.C. 470 *et seq*), 36 CFR Part 800.3 (f) (2) & .5, the President's Council on Environmental Quality (CSQ, 42 U.S.C 4371 *et seq.* and NAGPRA (25 U.S.C. 3001-3013) as appropriate. The 1992 *Secretary of the Interiors Standards for the Treatment of Historic Properties* were revised so that they could be applied to all historic resource types included in the National Register of Historic Places and including cultural landscapes. Also, federal Executive Orders Nos. 11593 (preservation of cultural environment), 13175 (coordination & consultation) and 13007 (Sacred Sites) are helpful, supportive guides for Section 106 consultation.

C-4

Furthermore, Public Resources Code Section 5097.98, California Government Code §27491 and Health & Safety Code Section 7050.5 provide for provisions for accidentally discovered archeological resources during construction and mandate the processes to be followed in the event of an accidental discovery of any human remains in a project location other than a 'dedicated cemetery'.

C-5

To be effective, consultation on specific projects must be the result of an <u>ongoing relationship between Native American tribes and lead agencies,</u> project proponents and their contractors, in the opinion of the NAHC. Regarding tribal consultation, a relationship built around regular meetings and informal involvement with local tribes will lead to more qualitative consultation tribal input on specific projects.

C-6

The response to this search for Native American cultural resources is conducted in the NAHC Sacred Lands Inventory, established by the California Legislature (CA Public Resources Code 5097.94(a) and is exempt from the CA Public Records Act (c.f. California Government Code 6254.10) although Native Americans on the attached contact list may wish to reveal the nature of identified cultural resources/historic properties. Confidentiality of "historic properties of religious and cultural significance" may also be protected under Section 304 of he NHA or at the Secretary of the Interior discretion if not eligible for listing on the National Register of Historic Places. The Secretary may also be advised by the federal Indian Religious Freedom Act (cf. 42 U.S.C., 1996) in issuing a decision on whether or not to disclose items of religious and/or cultural significance identified in or near the APE and possibility threatened by proposed project activity.

If you have any questions about this response to your request, please do not hesitate to contact me at (916) 653-6251.

Sincerely,
Dave Singleton, Program Analyst

Cc: Stateclearinghouse

Attachment: Native American Contact List

Native American Contact List
Riverside County
March 17, 2011

Los Coyotes Band of Mission Indians
Francine Kupsch, Spokesperson
P.O. Box 189 Cahuilla
Warner , CA 92086
loscoyotes@earthlink.net
(760) 782-0711
(760) 782-2701 - FAX

Ramona Band of Cahuilla Mission Indians
Joseph Hamilton, Chairman
P.O. Box 391670 Cahuilla
Anza , CA 92539
admin@ramonatribe.com
(951) 763-4105
(951) 763-4325 Fax

Pala Band of Mission Indians
Tribal Historic Preservation Office
35008 PalaTemecula Rd, PMB Luiseno
Pala , CA 92059 Cupeno
sgaughen@palatribe.com
(760) 891-3500
(760) 742-1411 Fax

Santa Rosa Band of Mission Indians
Mayme Estrada, Chairwoman
P.O. Box 609 Cahuilla
Hemet , CA 92546
srbcioffice@yahoo.com
(951) 658-5311
(951) 658-6733 Fax

Pauma & Yuima Reservation
Randall Majel, Chairperson
P.O. Box 369 Luiseno
Pauma Valley CA 92061
paumareservation@aol.com
(760) 742-1289
(760) 742-3422 Fax

Morongo Band of Mission Indians
Michael Contreras, Cultural Heritage Prog.
12700 Pumarra Road Cahuilla
Banning , CA 92220 Serrano
(951) 201-1866 - cell
mcontreras@morongo-nsn.gov
(951) 922-0105 Fax

Pechanga Band of Mission Indians
Paul Macarro, Cultural Resource Center
P.O. Box 1477 Luiseno
Temecula , CA 92593
(951) 770-8100
pmacarro@pechanga-nsn.gov
(951) 506-9491 Fax

Pauma Valley Band of Luiseño Indians
Bennae Calac, Tribal Council Member
P.O. Box 369 Luiseno
Pauma Valley CA 92061
bennaecalac@aol.com
(760) 617-2872
(760) 742-3422 - FAX

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed SCH#2010111084; CEQA Notice of Completion; draft Environmental Impact Report (DEIR) for the Murrieta General Plan; City of Murrieta; Riverside County, California.

Native American Contact List
Riverside County
March 17, 2011

San Luis Rey Band of Mission Indians
Carmen Mojado, Co-Chair
1889 Sunset Drive Luiseno
Vista , CA 92081
(760) 724-2172 - FAX
cmojado@slrmissionindians.org
(760) 917-1736 - cell

Pauma & Yuima Reservation
Charles Devers, Cultural Committee
P.O. Box 369 Luiseno
Pauma Valley CA 92061
paumareservation@aol.com
(760) 742-1289
(760) 742-3422 Fax

Pechanga Band of Mission Indians
Mark Macarro, Chairperson
P.O. Box 1477 Luiseno
Temecula , CA 92593
tbrown@pechanga-nsn.gov
(951) 770-6100
(951) 695-1778 Fax

Cahuilla Band of Indians
Luther Salgado, Sr., , Chairperson
PO Box 391760 Cahuilla
Anza , CA 92539
tribalcouncil@cahuilla.net
915-763-5549

Willie J. Pink
48310 Pechanga Road Luiseno
Temecula , CA 92592
wjpink@hotmail.com
(909) 936-1216
Prefers e-mail contact

Pechanga Cultural Resources Department
Anna Hoover, Cultural Analyst
P.O. Box 2183 Luiseño
Temecula , CA 92593
ahoover@pechanga-nsn.gov
951-770-8100
(951) 694-0446 - FAX

La Jolla Band of Mission Indians
ATTN: Rob Roy,Environmental Director
22000 Highway 76 Luiseno
Pauma Valley CA 92061
lajolla-sherry@aol.com and
(760) 742-3790
(760) 742-1704 Fax

SOBOBA BAND OF LUISENO INDIANS
Joseph Ontiveros, Cultural Resource Department
P.O. BOX 487 Luiseno
San Jacinto , CA 92581
jontiveros@soboba-msn.gov
(951) 663-5279
(951) 654-5544, ext 4137

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed SCH#2010111084; CEQA Notice of Completion; draft Environmental Impact Report (DEIR) for the Murrieta General Plan; City of Murrieta; Riverside County, California.

C. RESPONSES TO COMMENTS FROM DAVE SINGLETON, PROGRAM ANALYST, NATIVE AMERICAN HERITAGE COMMISSION, DATED MARCH 17, 2011.

C1. The comment letter acknowledges receipt of the Draft EIR. No further response is necessary.

C2. The Commentator requests that project-related impacts on historical resources and archaeological resources are assessed per *CEQA – CA Public Resources Code 21000-21177*, amendments effective 3/18/2010. As part of the preparation of the environmental analysis in the Draft EIR, the *Cultural Resources Assessment*, dated January 4, 2010, was prepared by LSA Associates, Inc. The *Cultural Resources Assessment* includes Records Search Results prepared by the Eastern Information Center (EIC) and a review of the Riverside Historic Properties Directory and the Murrieta Historical Resources Inventory Update. The findings and results of the records search and review are summarized in Section 5.9, Cultural Resources, and included in their entirety in Appendix I, Cultural Resources Existing Conditions Report. Section 5.9, Cultural Resources of the Draft EIR adequately addresses the environmental considerations cited in the comment letter.

C3. The proposed project involves an update to the General Plan, and thus tribal consultation is required pursuant to Senate Bill (SB) 18 and *Government Code* Section 65352.3. Consultation with Native American communities is also a matter of environmental justice as defined by *California Government Code* 65040.12(e). The Native American Heritage Commission was contacted to investigate whether any Native American resources are located within the vicinity of the City of Murrieta. The Native American Heritage Commission provided contact names for eight tribes:

Los Coyotes Band of Mission Indians
Francine Kupsh, Spokesperson
P.O. Box 189
Warner, CA 92086

Pala Band of Mission Indians
Tribal Historic Preservation Office
35008 Pala Temecula Road
Pala, CA 92059

Pauma & Yuima Reservation
Randall Majel, Chairperson
P.O. Box 369
Pauma Valley, CA 92061

Pechanga Band of Mission Indians
Paul Macarro, Cultural Resource Center
P.O. Box 1477
Temecula, CA 92593

Ramona Band of Cahuilla Mission Indians
Joseph Hamilton, Chairman
P.O. Box 391670
Anza, CA 92539

Santa Rosa Band of Mission Indians
Mayme Estrada, Chairwoman
P.O. Box 609
Hemet, CA 92546

Morongo Band of Mission Indians
Michael Contreras, Cultural Heritage Program
12700 Pumarra Road
Banning, CA 92229

Pauma Valley Band of Luiseno Indians
Bennae Calac, Tribal Council Member
P.O. Box 369
Pauma Valley, CA 92061

Letters were sent to 14 tribes in August 2010 to solicit their input on protecting and/or mitigating impacts on any cultural places or sacred lands in the City, in accordance with *Government Code* Section 65352.3. The City had a consultation meeting with the Pechanga Tribe on January 5, 2011, as well as received a written response dated December 3, 2010 from the Tribe within the 90-day period during which a tribe may respond and request a consultation advising how any cultural resources and Areas of Traditional Use may be best protected. To address the comments raised by the Pechanga Tribe, specific policies were developed and included in the Conservation Element of the General Plan 2035. In addition, the City scheduled several consultation meetings with the Soboba Band of Luiseno Indian Tribe in December 2010; however, the meetings had to be cancelled due to other commitments. The City has asked the Soboba Tribe about scheduling a future consultation meeting, but none had been scheduled as of May 23, 2011.

C4. Section 5.9, Cultural Resources, page 5.9-24 adequately describes the potential impacts and mitigation measures related to the discovery of human remains. If human remains were found, those remains would require proper treatment, in accordance with applicable laws. State of California *Public Resources Health and Safety Code* Sections 7050.5-7055 describe the general provisions for human remains. Specifically, H*ealth and Safety Code*

Section 7050.5 describes the requirements if any human remains are accidentally discovered during excavation of a site. In addition, the requirements and procedures set forth in *California Public Resources Code* Section 5097.98 would be implemented. If human remains are found during excavation, excavation must stop in the vicinity of the find and any area that is reasonably suspected to overlie adjacent remains until the County coroner has been called out, and the remains have been investigated and appropriate recommendations have been made for the treatment and disposition of the remains.

C5. Comment acknowledged. No further response is necessary.

C6. Comment acknowledged. No further response is necessary.

Department of Toxic Substances Control

Linda S. Adams
Acting Secretary for
Environmental Protection

Leonard E. Robinson
Acting Director
5796 Corporate Avenue
Cypress, California 90630

Edmund G. Brown Jr.
Governor

March 21, 2011

Mr. Greg Smith
City of Murrieta Community Development Department
1 Town Square
Murrieta, California 92562

NOTICE OF COMPLETION & ENVIRONMENTAL IMPACT REPORT (EIR) FOR CITY OF MURRIETA GENERAL PLAN UPDATE (SCH # 2010111084)

Dear Mr. Smith:

The Department of Toxic Substances Control (DTSC) has received your submitted Notice of Availability of the Environmental Impact Report for the above-mentioned project. The following project description is stated in your document: "The General Plan 2035 is a comprehensive update of the 1994 General Plan, which includes an update of existing elements, as well as the addition of two elements. The General Plan 2035 comprises the following State mandated and optional elements: Land Use; Economic Development; Circulation; Healthy Community; Conservation; Recreation and Open Space; Air Quality; Noise; Safety; and Housing (updated and adopted as part of a separate process).

Major components of the General Plan 2035 include: D-1

- Update of existing conditions, with year 2009 serving as the baseline year.
- Update of General Plan development projections to the year 2035. Projections for population, employment, residential, and non-residential development have been updated for the projected horizon year.
- Additions, deletions, or modifications to the 1994 and 2006 General Plan goals, policies, and implementation.
- Update the Land Use Element with reorganized and new land use designations. This includes separating the City's currently combined Land Use and Zoning Map into two separate maps. The General Plan Land Use Policy Map will provide broad land use categories and the Zoning Map, which is being updated

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separately from the General Plan 2035, will define specific uses and development standards.

- Amendment of the remaining General Plan Elements to reflect current conditions and account for development projections to year 2035". D-1

Based on the review of the submitted document DTSC has the following comments:

1) The EIR should evaluate whether conditions within the project area may pose a threat to human health or the environment. Following are the databases of some of the regulatory agencies:

   - National Priorities List (NPL): A list maintained by the United States Environmental Protection Agency (U.S.EPA).
   - Envirostor (formerly CalSites): A Database primarily used by the California Department of Toxic Substances Control, accessible through DTSC's website (see below).
   - Resource Conservation and Recovery Information System (RCRIS): A database of RCRA facilities that is maintained by U.S. EPA.
   - Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS): A database of CERCLA sites that is maintained by U.S.EPA. D-2
   - Solid Waste Information System (SWIS): A database provided by the California Integrated Waste Management Board which consists of both open as well as closed and inactive solid waste disposal facilities and transfer stations.
   - GeoTracker: A List that is maintained by Regional Water Quality Control Boards.
   - Local Counties and Cities maintain lists for hazardous substances cleanup sites and leaking underground storage tanks.
   - The United States Army Corps of Engineers, 911 Wilshire Boulevard, Los Angeles, California, 90017, (213) 452-3908, maintains a list of Formerly Used Defense Sites (FUDS).

2) The EIR should identify the mechanism to initiate any required investigation and/or remediation for any site that may be contaminated, and the government D-3

agency to provide appropriate regulatory oversight. If necessary, DTSC would require an oversight agreement in order to review such documents. D-3

3) Any environmental investigations, sampling and/or remediation for a site should be conducted under a Workplan approved and overseen by a regulatory agency that has jurisdiction to oversee hazardous substance cleanup. The findings of any investigations, including any Phase I or II Environmental Site Assessment Investigations should be summarized in the document. All sampling results in which hazardous substances were found above regulatory standards should be clearly summarized in a table. All closure, certification or remediation approval reports by regulatory agencies should be included in the EIR. D-4

4) If buildings, other structures, asphalt or concrete-paved surface areas are being planned to be demolished, an investigation should also be conducted for the presence of other hazardous chemicals, mercury, and asbestos containing materials (ACMs). If other hazardous chemicals, lead-based paints (LPB) or products, mercury or ACMs are identified, proper precautions should be taken during demolition activities. Additionally, the contaminants should be remediated in compliance with California environmental regulations and policies. D-5

5) Future project construction may require soil excavation or filling in certain areas. Sampling may be required. If soil is contaminated, it must be properly disposed and not simply placed in another location onsite. Land Disposal Restrictions (LDRs) may be applicable to such soils. Also, if the project proposes to import soil to backfill the areas excavated, sampling should be conducted to ensure that the imported soil is free of contamination. D-6

6) Human health and the environment of sensitive receptors should be protected during any construction or demolition activities. If necessary, a health risk assessment overseen and approved by the appropriate government agency should be conducted by a qualified health risk assessor to determine if there are, have been, or will be, any releases of hazardous materials that may pose a risk to human health or the environment. D-7

7) If it is determined that hazardous wastes are, or will be, generated by the proposed operations, the wastes must be managed in accordance with the California Hazardous Waste Control Law (California Health and Safety Code, Division 20, Chapter 6.5) and the Hazardous Waste Control Regulations (California Code of Regulations, Title 22, Division 4.5). If it is determined that hazardous wastes will be generated, the facility should also obtain a United States Environmental Protection Agency Identification Number by contacting (800) 618-6942. Certain hazardous waste treatment processes or hazardous materials, handling, storage or uses may require authorization from the local D-8

Certified Unified Program Agency (CUPA). Information about the requirement for authorization can be obtained by contacting your local CUPA. D-8

8) DTSC can provide cleanup oversight through an Environmental Oversight Agreement (EOA) for government agencies that are not responsible parties, or a Voluntary Cleanup Agreement (VCA) for private parties. For additional information on the EOA or VCA, please see www.dtsc.ca.gov/SiteCleanup/Brownfields, or contact Ms. Maryam Tasnif-Abbasi, DTSC's Voluntary Cleanup Coordinator, at (714) 484-5489. D-9

If you have any questions regarding this letter, please contact me at ashami@dtsc.ca.gov, or by phone at (714) 484-5472.

Sincerely,

Al Shami
Project Manager
Brownfields and Environmental Restoration Program

cc: Governor's Office of Planning and Research
State Clearinghouse
P.O. Box 3044
Sacramento, California 95812-3044
state.clearinghouse@opr.ca.gov

CEQA Tracking Center
Department of Toxic Substances Control
Office of Environmental Planning and Analysis
P.O. Box 806
Sacramento, California 95812
ADelacr1@dtsc.ca.gov

CEQA # 3142

D. RESPONSES TO COMMENTS FROM AL SHAMI, PROJECT MANAGER, DEPARTMENT OF TOXIC SUBSTANCES CONTROL, DATED MARCH 21, 2011.

D1. The comment letter acknowledges receipt of the Draft EIR. This comment does not raise any issues with respect to the contents of the Draft General Plan 2035 or the Draft Environmental Impact Report (EIR), or any environmental issue regarding the proposed project, therefore, no further response is necessary.

D2. Because this project entails an update to the General Plan and proposes no specific development project, the Draft EIR appropriately took a city-wide approach as opposed to site-specific project level approach to environmental analysis. Until the individual footprints of development projects are proposed, it is difficult to determine the precise nature, location, and severity of contamination that may exist within any specific "project area". Refer to Section 5.14-7, Hazards and Hazardous Materials, pages 5.14-7 thru 5.14-13 for reported regulatory properties. RBF Consulting searched the City and its Sphere of Influence on the EnviroStor Database which resulted in one listed regulatory property and 35 hazardous materials sites located within the boundaries of the City. Refer to *Table 5.14-1, DTSC & Geo Tracker Identified Regulatory Sites Within Murrieta* on pages 5.14-8 thru 5.14-10 for a detailed listing of the property and refer to *Exhibit 5.14-1, Regulatory Sites Within Murrieta* for the location of the listed regulatory property. In accordance with Mitigation Measure HHM-3, the City will require individual development projects to confirm the presence or absence of hazardous materials pertaining to the release of hazardous materials into the soil, surface water, and/or groundwater. If necessary, the development shall undergo site characterization and remediation on a project-by-project basis, per applicable Federal, State, and/or local standards and guidelines set by the applicable regulatory agency.

D3. Refer to Response D2. In addition, Draft EIR pages 5.14-17 through 5.14-19, 5.14-21, and 5.14-22 through 5.14-23 identify the applicable policies and mitigation measures related to hazardous materials. The nature of the contamination generally dictates which agency will assume regulatory oversight. If contamination is discovered during the site investigation and/or any subsequent grading activity, these are numerous state law provisions that require notification of regulatory agencies of this discovery. To the extent that the City become aware of any contamination, the City would notify the proper agencies, which would presumably be the mechanism to initiate a more formal investigation and potential remediation activity. The General Plan policies and mitigation measure HHM-3 provide a process for investigating and remediating hazardous materials.

D4. To the extent that individual site investigations disclose the need for a Work Plan, the Work Plan will be prepared in accordance with State law requirements. All findings of investigations were summarized in the document. Refer to Responses D2 and D3 relating to the Draft EIRs program-level analysis.

D5. Refer to Responses D2 and D3.

D6. Refer to Responses D2 and D3.

D7. Refer to Responses D2 and D3.

D8. Refer to Responses D2 and D3.

D9. This comment is acknowledged. No further response is necessary.

PECHANGA CULTURAL RESOURCES
Temecula Band of Luiseño Mission Indians

Post Office. Box 2183 • Temecula, CA 92593
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Chairperson:
Germaine Arenas

Vice Chairperson:
Mary Bear Magee

Committee Members:
Evie Gerber
Darlene Miranda
Bridgett Barcello Maxwell
Aurelia Marruffo
Richard B. Scearce, III

Director:
Gary DuBois

Coordinator:
Paul Macarro

Cultural Analyst:
Anna Hoover

Monitor Supervisor:
Jim McPherson

March 22, 2011

VIA E-MAIL and USPS

Mr. Greg Smith
Associate Planner
City of Murrieta Community Development Dept
1 Town Square
Murrieta, CA 92562

Re: Pechanga Tribe Comments on the Notice of Availability/Completion of the Draft Environmental Impact Report for the City of Murrieta General Plan 2035

Dear Mr. Smith:

This comment letter is written on behalf of the Pechanga Band of Luiseño Indians (hereinafter, "the Tribe"), a federally recognized Indian tribe and sovereign government. The Tribe formally requests, pursuant to Public Resources Code §21092.2, to be notified and involved in the entire CEQA environmental review process for the duration of the above referenced project (the "Project").

If you have not already, please add the Tribe to your distribution list(s) for public notices and circulation of all documents, including environmental review documents, archeological reports, and all documents pertaining to this Project. The Tribe further requests to be directly notified of all public hearings and scheduled approvals concerning this Project. Please incorporate these comments into the record of approval for this Project as well. E-1

The Tribe submits these comments concerning the potential impacts to cultural resources that may occur during future developments which are guided by the City's General Plan and in conjunction with the environmental review of the Project. The Tribe thanks the City for the ongoing consultation throughout the General Plan update process and requests to continue the consultation per SB18 requirements

THE CITY OF MURRIETA MUST INCLUDE INVOLVEMENT OF AND CONSULTATION WITH THE PECHANGA TRIBE IN ITS ENVIRONMENTAL REVIEW PROCESS

It has been the intent of the Federal Government[1] and the State of California[2] that Indian tribes be consulted with regard to issues which impact cultural and spiritual resources, as well as other governmental concerns. The responsibility to consult with Indian tribes stems from the unique government-to-government relationship between the United States and Indian tribes. This arises when tribal interests are affected by the actions of governmental agencies and departments. In this case, it is undisputed that the project lies within the Pechanga Tribe's traditional territory. Therefore, in order to comply with CEQA and other applicable Federal and California law, it is imperative that the City of Murrieta consult with the Tribe in order to guarantee an adequate basis of knowledge for an appropriate evaluation of the Project effects, as well as generating adequate mitigation measures. E-2

PECHANGA CULTURAL AFFILIATION TO PROJECT AREA

The Pechanga Tribe has a legal and cultural interest in the proper protection of sacred places and all Luiseño cultural resources. The Tribe is concerned about both the preservation of unique and irreplaceable cultural resources, such as sacred sites, Luiseño village sites and archaeological items which would be displaced by development, and on the proper and lawful treatment of cultural items, Native American human remains and sacred items likely to be discovered in the course of development and improvements within the City.

The Pechanga Tribe asserts that the entirety of the City of Murrieta is within the Tribe's aboriginal territory as evidenced by the existence of Luiseño place names, *tóota yixélval* (rock art, pictographs, petroglyphs), and extensive Luiseño artifact records. This culturally sensitive area is affiliated with the Pechanga Band of Luiseño Indians because of the Tribe's cultural ties to this area as well as our extensive history on projects within the City. Because of our knowledge of this area, the Pechanga Tribe has traditionally been the City's consulting and lead-designated Tribe. E-3

The Pechanga Tribe's knowledge of our ancestral boundaries is based on reliable information passed down to us from our elders; published academic works in the areas of anthropology, history and ethno-history; and through recorded ethnographic and linguistic accounts. Of the many anthropologists and historians who have presented boundaries of the Luiseño traditional territory, none have excluded the Murrieta area from their descriptions (Sparkman 1908; Kroeber 1925; White 1963; Harvey 1974; Oxendine 1983; Smith and Freers

[1] See e.g., Executive Memorandum of April 29, 1994 on Government-to-Government Relations with Native American Tribal Governments, Executive Order of November 6, 2000 on Consultation and Coordination with Indian Tribal Governments, Executive Memorandum of September 23, 2004 on Government-to-Government Relationships with Tribal Governments, and Executive Memorandum of November 5, 2009 on Tribal Consultation.
[2] See California Public Resource Code §5097.9 et seq.; California Government Code §§65351, 65352.3 and 65352.4

1994), and such territory descriptions correspond almost identically with that communicated to the Pechanga people by our elders. While historic accounts and anthropological and linguistic theories are important in determining traditional Luiseño territory, the most critical sources of information used to define our traditional territories are our songs, creation accounts, and oral traditions.

Luiseño history originates with the creation of all things at *'éxva Teméeku*, the present day City of Temecula, and dispersing out to all corners of creation (what is today known as Luiseño territory). It was at Temecula that the Luiseño deity *Wuyóot* lived and taught the people, and here that he became sick, finally expiring at Lake Elsinore. Many of our songs relate the tale of the people taking the dying *Wuyóot* to the many hot springs at Elsinore, where he died (DuBois 1908). He was cremated at *'éxva Teméeku*. It is the Luiseño creation account that connects Elsinore to Temecula, and thus to the Temecula people who were evicted and moved to the Pechanga Reservation, now known as the Pechanga Band of Luiseño Mission Indians (the Pechanga Tribe). This connection between Elsinore and Temecula also includes Murrieta as an important location for passage between these Cities as well as a known location for subsistence resources and a system of significant villages.

Many traditions and stories are passed from generation to generation by songs. One of the Luiseño songs recounts the travels of the people to Elsinore after a great flood (DuBois 1908). From here, they again spread out to the north, south, east and west. Three songs, called *Monívol*, are songs of the places and landmarks that were destinations of the Luiseño ancestors, which are located either in western Riverside County or northern San Diego County. They describe the exact route of the Temecula (Pechanga) people and the landmarks made by each to claim title to places in their migrations (DuBois 1908:110). E-3

In addition, Pechanga elders state that the Temecula/Pechanga people had usage/gathering rights to an area extending from Rawson Canyon on the east, over to Lake Mathews on the northwest, down Temescal Canyon to Temecula, eastward to Aguanga, and then along the crest of the Cahuilla range back to Rawson Canyon. The Native American Heritage Commission (NAHC) Most Likely Descendent (MLD) files substantiate this habitation and migration record from oral tradition. These examples illustrate a direct correlation between the oral tradition and the physical place; proving the importance of songs and stories as a valid source of information outside of the published anthropological data.

Tóota yixélval (rock art) is also an important element in the determination of Luiseño territorial boundaries. *Tóota yixélval* can consist of petroglyphs (incised) elements, or pictographs (painted) elements. The science of archaeology tells us that places can be described through these elements. Riverside and Northern San Diego Counties are home to red-pigmented pictograph panels. Archaeologists have adopted the name for these pictograph-versions, as defined by Ken Hedges of the Museum of Man, as the San Luis Rey style. The San Luis Rey style incorporates elements which include chevrons, zig-zags, dot patterns, sunbursts, handprints, net/chain, anthropomorphic (human-like) and zoomorphic (animal-like) designs. Tribal

historians and photographs inform us that some design elements are reminiscent of Luiseño ground paintings. A few of these design elements, particularly the flower motifs, the net/chain and zig-zags, were sometimes depicted in Luiseño basket designs and can be observed in remaining baskets and textiles today.

An additional type of *tóota yixélval*, identified by archaeologists also as rock art or petroglyphs, are cupules. Throughout Luiseño territory, there are certain types of large boulders, taking the shape of mushrooms or waves, which contain numerous small pecked and ground indentations, or cupules. Additionally, according to historian Constance DuBois:

> When the people scattered from Ekvo Temeko, Temecula, they were very powerful. When they got to a place, they would sing a song to make water come there, and would call that place theirs; or they would scoop out a hollow in a rock with their hands to have that for their mark as a claim upon the land. The different parties of people had their own marks. For instance, Albañas's ancestors had theirs, and Lucario's people had theirs, and their own songs of Munival to tell how they traveled from Temecula, of the spots where they stopped and about the different places they claimed (1908:158).

E-3

Thus, our songs and stories, our indigenous place names, as well as academic works, demonstrate that the Luiseño people who occupied what we know today as the City of Murrieta are ancestors of the present-day Luiseño/Pechanga people, and as such, Pechanga is culturally affiliated to this geographic area.

The Tribe has over thirty-five (35) years of experience in working with various types of construction projects throughout western Riverside County and the City of Murrieta. The combination of this knowledge and experience, along with the knowledge of the culturally-sensitive areas and oral tradition, is what the Tribe relies on to make fairly accurate predictions regarding the likelihood of subsurface resources in a particular location. The Tribe has been involved with almost all development projects throughout the City of Murrieta including the existing Golden City Specific Plan and Physicians Hospital Project; Linnel Lane; Lincoln Ranch; Copper Canyon; Greer Ranch; the Ivy Street and Guava Street Bridge Projects; the Wynfield Projects; the Murrieta Hot Springs Road Widening; Murrieta 18 and 30; Murrieta Vista High School; Murrieta Fire Station #5 and North Murrieta Business Park Projects. Moreover, Pechanga was named MLD for discovery of human remains on at least two projects within west Murrieta and has been the designated/lead Tribe exclusively within the City boundaries for many years.

E-4

The Tribe welcomes the opportunity to meet with the City to further explain and provide documentation concerning our specific cultural affiliation to lands within your jurisdiction.

COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT REPORT AND DRAFT GENERAL PLAN 2035

The Tribe has received and reviewed the February 2011 Draft Environmental Impact (DEIR) Report and February 2011 Draft General Plan as provided by the City of Murrieta. The Tribe has concerns with Section 5.9 Cultural Resources (p 5.9-9) of the DEIR which was based on the January 2010 archaeological assessment.[3] Primarily, there is incorrect information presented regarding the Luiseño that lived in the Murrieta area that was taken from the original General Plan. This information has since been updated by current research conducted by the Tribe. Unfortunately, the Tribe was not provided the opportunity to review this portion of the DEIR prior to its release in order to revise and update this portion of the document. Our suggested changes are below (strikeouts are deletions and underlines are additions):

> **Paleo-Indian Period.** Archaeological research and tribal oral traditions in the Murrieta-Temecula area suggests that prehistoric occupation of the valley dates back thousands of years. There are a number of long-term ~~prehistoric sites~~ village complexes and habitation sites located in Murrieta, which are valuable resources. The ~~carvings and other signs left in local rocks and boulders~~ remnants of early villages as well as the local rock art and ethnographic accounts provide an important record of Murrieta's early occupation by Native Americans.

The archaeological assessment provides a thorough description of the various chronologies of the Murrieta area. It also stresses that the term "Shoshonean" is no longer used in regards to the Luiseño as they are a Takic speaking peoples unrelated to the existing Shoshonean desert tribes of the east.[4] The Late period information in this section was adapted from the archaeological study (Appendix I). Additionally, the Luiseño terms have been updated to reflect the most current information the Tribe has researched. E-5

> ~~**Shoshonean Period.** Luiseño and Cahuilla groups of the Southern California Shoshone Indian Tribe entered into the area sometime after 1500 and settled at various sites along streams throughout the Murrieta-Temecula area. These Payomik Kowichum, as they were called before the Mission Era, were a hunting-gathering people. Two Payomik settlements are believed to have been located in Murrieta: Avaxat, referring to the cottonwoods of Murrieta Creek, was located just west of the creek near present-day Ivy Street, while Toatwi was located near Los Alamos and Winchester Road.~~
>
> **Late Period.** It is generally assumed that the Late Period began approximately AD 500–750, and its termination is widely accepted as AD 1769, the date of the beginning of permanent European occupation of California. The Luiseño Peoples occupied the Murrieta-Temecula area and called themselves *Payómkawichum* before the influx of European settlers and

[3] Appendix I: *Cultural Resources Assessment,* LSA Associates, Inc, January 4, 2010
[4] Ibid, page 16

> the Mission Period. There are also many Luiseño place names within the Murrieta area. Several village complexes were located within the City's boundaries; one that has been definitively identified by the Tribe is *Qéngva*, which is in the southwest part of Murrieta. To the north of *Qéngva* is *'avàa'ax,* referring to the cottonwood trees along Murrieta Creek. To the east is "The Owls' Nest" or *Múuta Putée',* which is located on what residents know as the Hogbacks in the Los Alamos area. Flowing beside these prominent hills to the south is the Santa Gertrudis River or *Tótpa,* a very important water source.

Additionally, within the American Period Section (p 5.9-11), the last paragraph should be revised to read:

> One exception to the community's dominant agricultural identity was the regionally-popular Murrieta Hot Springs. Located along present Murrieta Hot Springs Road just east of I-215, the mineral-rich springs have been used by people for thousands of years. The Luiseño called the springs ~~Cherukanukna Hakiwuna~~ *Churúukunuknu Haki'wuna* and their extensive use of the springs is reflected in the numerous habitation sites and artifacts identified nearby. Non-Indian visitors in the late 19th century determined <u>what the Luiseño already knew about the springs</u>, that the springs had healing properties, and Murrieta Hot Springs became part of a rapidly growing network of Southern California destinations for health-seekers. Etc…

E-5

Within the Historic/Archaeological Resources Section (p 5.9-11), the Tribe requests the following modifications:

At the end of the first paragraph: "…Other indicators of former occupancy may include pottery, human skeletal remains and body adornments (i.e. shell or bone beads, jewelry). <u>Cultural resources can also include oral traditions, ethnographic accounts, traditional songs and stories, and places important for the continuation of traditional beliefs and practices.</u>

<u>PROJECT IMPACTS TO CULTURAL RESOURCES AND REQUESTED TRIBAL INVOLVEMENT AND MITIGATION</u>

While the Tribe disputes that there are only 199 documented cultural resources within the City of Murrieta, the Tribe believes that implementation of this General Plan could impact not only known resources but subsurface and/or unknown resources as well. The City of Murrieta is located in a highly sensitive region of Luiseño territory. The Tribe concurs with the DEIR in that "[g]round-disturbing activities associated with subsequent development of land within the City could unearth previously unknown archaeological resources."[5] The possibility for recovering subsurface resources during future proposed ground-disturbing activities is high. The Tribe has

E-6

[5] DEIR, February 2011. Section 5.9, p5.9-20

over thirty-five (35) years of experience in working with various types of construction projects throughout its territory. The combination of this knowledge and experience, along with the knowledge of the culturally-sensitive areas and oral tradition, is what the Tribe relies on to make fairly accurate predictions regarding the likelihood of subsurface resources in a particular location. E-6

The Tribe is highly concerned about inadvertent discoveries which are foreseeable impacts and should be appropriately mitigated for within the General Plan, its policies and all planning documents. To assist with this goal, the Tribe believes that the identification of surface resources during an archaeological survey should not be the sole determining factor in deciding whether mitigation measures for inadvertent discoveries on future projects are required. The cultural significance of the area should play a large part in determining whether specifications concerning unanticipated discoveries should be included and this information should be provided by the people whose ancestors lived in this area, namely the Pechanga Tribe. Additionally, the Tribe believes that the potential for inadvertent discoveries increases because of the known resources in the area, not just within the Project boundaries. Often this 'landscape' approach' is not addressed in archaeological studies although it is a very important component when addressing cultural resources and the potential impacts caused by a proposed project. This should also be addressed in City-wide planning documents, policies and ordinances adopted by the City. E-7

The CEQA Guidelines state that lead agencies should make provisions for inadvertent discoveries of cultural resources (CEQA Guidelines §15064.5). The Tribe believes that adequate cultural resources assessments and management must always include a component which addresses inadvertent discoveries. Every major State and Federal law dealing with cultural resources includes provisions addressing inadvertent discoveries (See e.g.: CEQA (Cal. Pub. Resources Code §21083.2(i); 14 CCR §1506a.5(f)); Section 106 (36 CFR §800.13); NAGPRA (43 CFR §10.4). Moreover, most state and federal agencies have guidelines or provisions for addressing inadvertent discoveries (See e.g.: FHWA, Section 4(f) Regulations - 771.135(g); CALTRANS, Standard Environmental Reference - 5- 10.2 and 5-10.3). Such cultural resources and artifacts are significant to the Tribe as they are reminders of their ancestors. Moreover, the Tribe is expected to protect and assure that all cultural sites of its ancestors are appropriately treated in a respectful manner. Therefore, as stated in CSV-11.5, the Tribe requests to be consulted and involved with the development of any new City policies or ordinances that impact cultural and archaeological resources as well as project specific environmental documents, conditions of approval and mitigation measures that could impact both known and unknown sensitive resources. E-8

PROJECT MITIGATION MEASURES

The Pechanga Tribe thanks the City of Murrieta for the continued consultation on this Project and for including our recommended changes in the draft policies. At this time, the Tribe agrees with the policies for cultural resources presented in the February 2011 Draft E-9

Environmental Impact (DEIR) Report and February 2011 Draft General Plan as provided by the City of Murrieta. As the General Plan Update moves ahead, the Pechanga Tribe requests, as the Tribe with a well-documented prehistory in the area, a long history of working with the City, as well as the Tribe with the most knowledge of the cultural importance of the City to the Luiseño people, that the City continue to consult with Pechanga on the important issues raised by this process. E-9

The Tribe reserves the right to continue to fully participate in the environmental review process, as well as to provide further comment on the General Plan policies and cultural language. Further, the Tribe reserves the right to participate in the regulatory process and provide comment on issues pertaining to the regulatory process and Project approval.

The Pechanga Tribe looks forward to working together with the City of Murrieta in developing adequate guidance and policies for protecting the invaluable Pechanga cultural resources found in the City. Please feel free to contact me at 951-770-8100 X8104 once you have had a chance to review these comments in the event you have any questions or comments. Thank you. E-10

Sincerely,

Anna Hoover
Cultural Analyst

Cc Pechanga Office of the General Counsel

E. RESPONSES TO COMMENTS FROM ANNA HOOVER, CULTURAL ANALYST, PECHANGA CULTURAL RESOURCES, DATED MARCH 22, 2011.

E1. The comment letter acknowledges receipt of the Draft EIR. The proposed project involves an update to the General Plan, and thus tribal consultation is required and is taking place pursuant to Senate Bill (SB) 18 and *Government Code* Section 65352.3. The City of Murrieta has, and will continue to consult with the Pechanga Band of Luiseno Indians (Tribe). No further response is necessary.

E2. Refer to Response E1. No further response is necessary

E3. The Commentator is providing background information about the Pechanga Tribe and its history in Murrieta. This comment is acknowledged. No further response is necessary.

E4. This comment is acknowledged. This comment does not raise any issues with respect to the contents of the Draft General Plan 2035 or the Draft Environmental Impact Report (EIR), or any environmental issue regarding the proposed project, therefore, no further response is necessary.

E5. The Commentator has suggested revising the discussion regarding the Paleo-Indian Period within Section 5.9, Cultural Resources, pages 5.9-8 thru 5.9-10 as the language is outdated. Text on pages 5.9-8 thru 5.9-10 of the Draft EIR will be revised as follows in the Final EIR:

> **Paleo-Indian Period.** Archaeological research and tribal oral traditions in the Murrieta-Temecula area suggests that prehistoric occupation of the valley dates back thousands of years. There are a number of long-term ~~prehistoric sites~~ village complexes and habitation sites located in Murrieta, which are valuable resources. The ~~carvings and other signs left in local rocks and boulders~~ remnants of early villages as well as the local rock art and ethnographic accounts provide an important record of Murrieta's early occupation by Native Americans.

The Commentator has suggested removing the Shoshonean Period discussion within Section 5.9, Cultural Resources, page 5.9-9 and replacing with a discussion of the Late Period. Text on page 5.9-9 of the Draft EIR will be revised as follows in the Final EIR:

> ~~**Shoshonean Period.** Luiseño and Cahuilla groups of the Southern California Shoshone Indian Tribe entered into the area sometime after 1500 and settled at various sites along streams throughout the Murrieta-Temecula area. These Payomik Kowichum, as they were called before the Mission Era, were a hunting-gathering people. Two Payomik settlements are believed to have been located in Murrieta: Avaxat, referring to the cottonwoods of Murrieta Creek, was located just west of the creek near present-day Ivy Street, while Toatwi was located near Los Alamos and Winchester Road.~~

Late Period. It is generally assumed that the Late Period began approximately AD 500 to 750, and its termination is widely accepted as AD 1769, the date of the beginning of permanent European occupation of California. The Luiseno Peoples occupied the Murrieta-Temecula area and called themselves Payomkawichum before the influx of European settlers and the Mission Period. There are also many Luiseno place names within the Murrieta area. Several village complexes were located within the City's boundaries; one that has been definitively identified by the Tribe is Qengva, which is in the southwest part of Murrieta. To the north of Qengva is 'avaa'ax, referring to the cottonwood trees along Murrieta Creek. To the east is the "The Owls' Nest" or Muula Putee, which is located on what residents know as the Hogbacks in the Los Alamos area. Flowing beside these prominent hills to the south is the Santa Gertrudis River or Totpa, a very important water source.

The Commentator has suggested revising the discussion regarding the American Period within Section 5.9, Cultural Resources, page 5.9-11. Text on page 5.9-11 of the Draft EIR will be revised as follows in the Final EIR:

One exception to the community's dominant agricultural identity was the regionally-popular Murrieta Hot Springs. Located along present Murrieta Hot Springs Road just east of I-215, the mineral-rich springs have been used by people for thousands of years. The Luiseño called the springs ~~Cherukanukna Hakiwuna~~ Churuukunuknu Haki'wuna and their extensive use of the springs is reflected in the numerous habitation sites and artifacts identified nearby. Non-Indian visitors in the late 19th century determined what the Luiseno already know about the springs, that the springs had healing properties, and Murrieta Hot Springs became part of a rapidly growing network of Southern California destinations for health-seekers.

The Commentator has suggested revising the discussion regarding the Historic/Archaeological Resources within Section 5.9, Cultural Resources, page 5.9-11. Text on page 5.9-11 of the Draft EIR will be revised as follows in the Final EIR:

Cultural resources are represented by the material remnants of human activity in an area and can be either prehistorical (aboriginal/native American) or historical (European and Euro-American). Although not necessarily of cultural significance per *CEQA*, cultural remains are considered to be of cultural concern if they are at least 50 years old. Such resources may include midden (ashy or greasy dark soil indicating former occupation); ground stone tools and milling features; rock shelters; rock art (petroglyphs); rock features (cairns, stone walls); quarries; trails; and, ecofactual material (faunal remains, fire-affected rocks). Other indicators of former occupancy may include pottery, human skeletal remains, and body adornments (i.e. shell or bone beads, jewelry). Cultural resources can also include oral traditions, ethnographic accounts, traditional songs and stories, and places important for the continuation of traditional beliefs and practices.

E6. The Commentator disputes that there are only 199 documents cultural resources within the City of Murrieta. The findings and results of the records search and review are summarized in Section 5.9, Cultural Resources, and included in their entirety in Appendix I, Cultural Resources Existing Conditions Report. A records search at the Eastern Information Center (EIC), located in the Department of Anthropology at the University of California, Riverside, indicated that 330 cultural resource studies have been conducted within the City and the Sphere of Influence, resulting in the identification of a total of 199 documented cultural resources. Previous studies within the City and the Sphere of Influence consist mainly of cultural resource assessments, survey reports, and archaeological test excavations. The documented resources within the City and the Sphere of Influence include more than 75 separate milling features in bedrock, 36 milling artifacts, 53 sites with lithic artifacts (flakes, points, debitage), five sites with rock art, nine possible prehistoric campsites or habitation sites, three possible prehistoric quarries, seven built resources, and 11 historic archaeological sites (trash scatters, habitation remains). Furthermore, all future development projects would be required to comply with all applicable Federal, State, and local regulations concerning the preservation of historic resources. The significance of each of these resources was not identified, and instead requires consideration on a site- or resource-specific basis. No further responses are necessary.

E7. The City acknowledges the Tribe's concern about inadvertent discoveries, but is unclear as to the purpose and intent of additional General Plan policies or EIR mitigation measures the Tribe is interested in including to address their concern. The General Plan goals and policies and EIR mitigation measures reflect standard study protocols conduct studies and compliance with State laws and regulations.

E8. This comment is acknowledged. No further response is necessary.

E9. This comment is acknowledged. No further response is necessary.

E10. This comment is acknowledged. The City of Murrieta has, and will continue to consult/work with the Pechanga Band of Luiseno Indians (Tribe). No further response is necessary.

Regional Conservation Authority
Western Riverside County

Board of Directors

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Jeff Stone
County of Riverside

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Executive Staff

Charles Landry
Executive Director

3403 10th Street, Suite 320
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Riverside, California 92502-1667

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March 24, 2011

Greg Smith
City of Murrieta
Community Development Department
One Town Square
24601 Jefferson Avenue
Murrieta, California 90622

RE: PUBLIC REVIEW MURRIETA GENERAL PLAN UPDATE AND PROGRAM EIR – FEBRUARY 2011

Dear Mr. Smith,

The WRC Regional Conservation Authority (RCA) appreciates the opportunity to comment on the City's Draft General Plan Update. The RCA is the joint powers authority, which the City of Murrieta is a member of, responsible for implementation of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). F-1

The Draft General Plan and DEIR accurately document the City's reliance on the MSHCP for species take on public and private development if the MSHCP's provisions are implemented as required by the Implementing Agreement (IA). If the City maintains consistency with the MSHCP on a project by project basis the MSHCP provides the mitigation for direct, indirect and cumulative impacts to biological resources under the California Environmental Quality Act. F-2

The RCA appreciates the continued efforts that the City has made to continue to implement the MSHCP, and looks forward to receiving a copy of your response to our comments during the Final EIR process.

Sincerely,

Charles Landry
Executive Director

F. RESPONSES TO COMMENTS FROM CHARLES LANDRY, EXECUTIVE DIRECTOR, REGIONAL CONSERVATION AUTHORITY, DATED MARCH 24, 2011.

F1. The comment letter acknowledges receipt of the Draft EIR and that the Regional Conservation Authority, which the City of Murrieta is a member, is a joint powers authority responsible for implementation of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP).

F2. The comment letter notes that the Draft General Plan 2035 and Draft EIR accurately document the City's reliance on the MSHCP for species take on public and private development if the MSHCP's provisions are implemented as required by the Implementing Agreement (IA). The comment letter does not raise any issues with respect to the contents of the Draft General Plan 2035 or the Draft Environmental Impact Report (EIR), or any environmental issue regarding the proposed project, therefore, no further response is necessary.

F3. This comment is acknowledged. In compliance with *CEQA* Section 21092.5(a), the Regional Conservation Authority will receive written responses to comments 10 days prior to certification of the Final EIR.

COMMENT LETTER G

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • www.aqmd.gov

E-Mailed: March 24, 2011 March 24, 2011
generalplan@murrieta.org

Mr. Greg Smith – Associate Planner
City of Murrieta
Community Development Department
Murrieta, CA 92562

Review of the Draft Environmental Impact Report (Draft EIR)
for the Proposed General Plan 2035

The South Coast Air Quality Management District (AQMD) appreciates the opportunity to comment on the above-mentioned document. The following comments are meant as guidance for the lead agency and should be incorporated into the final Environmental Impact Report (final EIR) as appropriate. G-1

The AQMD staff is concerned that the proposed project places sensitive land uses (i.e., hospital, residential and park uses) within 500 feet of the I-215 Freeway. Specifically, the AQMD staff is concerned about the potential health risk impacts from toxic air pollutants emitted by the significant volume of traffic on the I-215 Freeway. Therefore, the lead agency should revise the draft EIR to include mitigation that precludes sensitive land uses within 500 feet of the I-215 Freeway. Further, AQMD staff recommends that pursuant to Section 15370 of the California Environmental Quality Act (CEQA) Guidelines additional mitigation measures are considered to minimize the project's significant air quality impacts. Details regarding these comments are attached to this letter. G-2

Pursuant to Public Resources Code Section 21092.5, AQMD staff requests that the lead agency provide the AQMD with written responses to all comments contained herein prior to the adoption of the Final EIR. Further, staff is available to work with the lead agency G-3

to address these issues and any other questions that may arise. Please contact Dan Garcia, Air Quality Specialist CEQA Section, at (909) 396-3304, if you have any questions regarding the enclosed comments. G-3

Sincerely,

Ian MacMillan
Program Supervisor, CEQA Inter-Governmental Review
Planning, Rule Development & Area Sources

Attachment

IM:DG

RVC110208-05
Control Number

Health Risk Impacts

1. Based on the project description (i.e., chapter three) in the draft EIR the proposed project includes land use changes that will place sensitive land uses (i.e., residential, park and hospital uses) within 500 feet of the I-215 Freeway. As a result, the AQMD staff is concerned about the potential health risk impacts from toxic air pollutants emitted by the significant volume of traffic on the 215 Freeway. Therefore, the lead agency should include mitigation in the final EIR that prohibits residential development within 500 feet[1] of the I-215 Freeway to minimize potential significant health risk impacts. G-4

Mitigation Measures for Construction Air Quality Impacts

2. Given that the lead agency concluded that the proposed project will have significant air quality impacts the AQMD staff recommends that the lead agency provide additional mitigation pursuant to CEQA Guidelines §15370. Specifically, AQMD staff recommends that the lead agency minimize or eliminate significant adverse air quality impacts by adding the mitigation measures provided below. G-5

   - Provide temporary traffic controls such as a flag person, during all phases of construction to maintain smooth traffic flow,
   - Provide dedicated turn lanes for movement of construction trucks and equipment on- and off-site,
   - Reroute construction trucks away from congested streets or sensitive receptor areas,
   - Appoint a construction relations officer to act as a community liaison concerning on-site construction activity including resolution of issues related to PM10 generation,
   - Improve traffic flow by signal synchronization, and ensure that all vehicles and equipment will be properly tuned and maintained according to manufacturers' specifications,
   - Use coatings and solvents with a VOC content lower than that required under AQMD Rule 1113,
   - Construct or build with materials that do not require painting,
   - Require the use of pre-painted construction materials,
   - Require the use of 2010 and newer diesel haul trucks (e.g., material delivery trucks and soil import/export),
   - During project construction, all internal combustion engines/construction equipment operating on the project site shall meet EPA-Certified Tier 2 emissions standards, or higher according to the following:

[1] Based on the recommendations for siting new sensitive land uses on page four of the "Air Quality and Land Use Handbook: A Community Health Perspective."

- ✓ Project Start, to December 31, 2011: All offroad diesel-powered construction equipment greater than 50 hp shall meet Tier 2 offroad emissions standards. In addition, all construction equipment shall be outfitted with the BACT devices certified by CARB. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 2 or Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations.

- ✓ January 1, 2012, to December 31, 2014: All offroad diesel-powered construction equipment greater than 50 hp shall meet Tier 3 offroad emissions standards. In addition, all construction equipment shall be outfitted with BACT devices certified by CARB. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations.

- ✓ Post-January 1, 2015: All offroad diesel-powered construction equipment greater than 50 hp shall meet the Tier 4 emission standards, where available. In addition, all construction equipment shall be outfitted with BACT devices certified by CARB. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations. G-6

- ✓ A copy of each unit's certified tier specification, BACT documentation, and CARB or SCAQMD operating permit shall be provided at the time of mobilization of each applicable unit of equipment.

- ✓ Encourage construction contractors to apply for AQMD "SOON" funds. Incentives could be provided for those construction contractors who apply for AQMD "SOON" funds. The "SOON" program provides funds to accelerate clean up of off-road diesel vehicles, such as heavy duty construction equipment. More information on this program can be found at the following website: http://www.aqmd.gov/tao/Implementation/SOONProgram.htm

For additional measures to reduce off-road construction equipment, refer to the mitigation measure tables located at the following website: www.aqmd.gov/ceqa/handbook/mitigation/MM_intro.html.

Mitigation Measures for Operational Air Quality Impacts

3. The lead agency's operational air quality analysis demonstrates significant air quality impacts from all criteria pollutant emissions including NOx, SOx, CO, VOC, PM10 and PM2.5 emissions. These impacts are primarily from an increase in mobile source emissions related to a significant increase of vehicle trips associated with the G-7

proposed project. However, the lead agency fails to adequately address this large increase in mobile source emissions. Specifically, the lead agency does not require any mitigation measures in the draft EIR and only proposes the adoption of nominal goals and policies in the General Plan 2035 document to address mobile source emissions reductions. Therefore, the lead agency should re-evaluate and reduce the project's significant air quality impacts by reviewing and incorporating transportation mitigation measures from the ICLEI-Local Governments for Sustainability protocol in the final EIR. G-7

4. Upon review of the Climate Action Plan provided in Appendix P of the draft EIR it appears that the lead agency quantified the project's greenhouse gas (GHG) emission reductions based on the implementation of a set of future land use, energy and mobile source policies applicable to the proposed project. For example, the lead agency assumes that the land use policy LU-6 (i.e., encourage job retention and attraction) will result in an annual GHG emission reduction of 11.14% or 52,288 metric tons CO2. However, the lead agency does not specify any performance standards to ensure that the proposed project actually achieves an annual 11.14% or 52,288 metric tons of GHG reduction annually by 2020. Therefore, the lead agency should revise the analysis in the draft EIR to ensure that enforceable measures are in place to reduce GHG emissions consistent with the reductions identified in Table 5.6-5 of the draft EIR and the aforementioned Climate Action Plan. It would seem from the description of the proposed GHG reductions in Table 5.6-5 that every new project will be required to have a net decrease in GHG emissions, but without enforceable measures this may not be achievable. G-8

G. RESPONSES TO COMMENTS FROM MR. IAN MACMILLAN, PROGRAM SUPERVISOR, CEQA INTER-GOVERNMENTAL REVIEW, SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, DATED MARCH 24, 2011.

G1. This comment contains introductory or general information. Refer to Response G2 through G8. No further response is necessary.

G2. The Commentator is requesting mitigation to preclude residential development within 500 feet of Interstate 215 (I-215) to minimize potential health risk impacts based on guidelines from the California Air Resources Board (CARB). It should be noted that the General Plan 2035 would not modify land uses so that sensitive receptor populations would be located closer to the freeway. Also, the Loma Linda University Medical Center is not located within 500 feet of a freeway.

The analysis identifies General Plan 2035 Policy AQ-2.4, which requires following the guidance within CARB's Land Use and Air Quality Handbook and current environmental health research for determining safe locations for sensitive receptors. Additionally, General Plan 2035 Policy AQ-2.2 recommends avoiding locating new homes, schools, childcare and eldercare facilities, and health care facilities within 500 feet of freeways. These policies are consistent with the CARB guidelines and future development projects would be required to be consistent with the recommended guidance. If future development projects are found to be inconsistent, mitigation would be required to reduce impacts to a less than significant level.

G3. The Commentator requests that written responses are provided to all comments prior to the adoption of the Final EIR. The City of Murrieta is fully complying with the requirements of the *California Environmental Quality Act* (*CEQA*) Section 21092.5, and will be preparing written responses to environmental comments provided to the City during the 45-day public review period. In compliance with *CEQA*, all public agencies will be provided written responses to their comments 10-days prior to certification of the Final EIR. In addition, both the Planning Commission and City Council will have the "Comments and Responses" section of the Final EIR for their review and consideration prior to taking any action on the Final EIR.

G4. This comment reiterates the comments regarding health risk above. Refer to Response G2.

G5. The Commentator is requesting construction mitigation to be added into the Final EIR. The air quality analysis in included in Section 5.5 of the Draft EIR, which is a programmatic document that analyzes proposed land use changes and anticipated growth within the City. As such, the construction analysis does not review a specific development project. Future development projects would require individual CEQA

review where specific impacts would be determined and necessary mitigation would be identified.

The construction mitigation measures that are provided in this comment include compliance with SCAQMD Rules and Regulations (e.g., Rule 1113 and Rule 403) and other relevant guidance. The Draft EIR includes General Plan Policies AQ-3.1 and AQ-3.2, which require compliance with current SCAQMD rules, regulations, and thresholds, and implementation of all SCAQMD best management practices. General Plan 2035 Policy AQ-3.3 requires Best Available Control Measures for projects that exceed SCAQMD thresholds. Additionally, General Plan 2035 Policy AQ-3.4 requires a construction management plan that includes Best Available Control Measures and other control measures for projects that exceed SCAQMD thresholds. It should be noted that a majority of the goals and policies within the General Plan were drawn from the *Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning* (May 6, 2005), prepared by the SCAQMD. Future development projects would be required to comply with all applicable SCAQMD rules and regulations.

G6. These mitigation measures indicate the timing that certain EPA and CARB Certified emissions standards are required for off-road construction equipment. These standards apply to future development projects in the City and become more stringent in the future. General Plan 2035 Policy AQ-3.3 requires all construction equipment to comply with CARB's vehicle standards. The applicability of these measures for individual development projects would be determined as part of the project-specific CEQA review.

The last mitigation measure recommends participation in the SCAQMD Surplus Off-Road Opt-In for NO_X (SOON) program. The SOON program provides funding assistance to applicable fleets for the purchase of commercially-available low-emission heavy-duty engines to achieve near-term reduction of NO_X emissions from in-use off-road diesel vehicles. As described above, the Draft EIR identifies General Plan 2035 Goals and Policies that require compliance with SCAQMD rules and recommendations as well as the implementation of Best Available Control Measures, which would include participation in the SOON program.

G7. The Draft EIR provides an emissions inventory for criteria pollutants within the City for area and mobile source categories during General Plan 2035 potential buildout conditions. The emissions inventory does not include emissions from individual development projects. It should be noted that the SCAQMD does not have criteria pollutant thresholds for General Plans or programmatic level analyses and that the criteria pollutant thresholds do not apply to cumulative development or multiple projects.

The Draft EIR identifies several General Plan 2035 Goals and Policies that would reduce operational emissions. For example, the proposed General Plan 2035 establishes the City's mobility goals by providing improved local and regional transit services as well as a connected, balanced, and integrated transportation system of bicycle and pedestrian

networks. Such alternatives to automotive transportation can be greatly utilized to reduce mobile source emissions. The Draft EIR includes General Plan 2035 Goal AQ-4 and Policies AQ-4.1 through AQ-4.4, which would reduce vehicle miles traveled (VMT) and associated mobile source emissions through job creation and the improvement of the jobs/housing balance within the City, as well as the encouragement of a mix of housing types located near job opportunities. Policy AQ-5.1 encourages employers to implement transportation demand management (TDM) measures (i.e., transit subsidies, bicycle facilities, telecommuting, etc.).

Future site-specific development proposals would be evaluated for potential air emissions once development details have been determined and are available. Future development projects would be required to be consistent with the Goals and Policies in the General Plan. If future development projects are found to be inconsistent, mitigation would be required to reduce impacts to a less than significant level.

G8. The emissions reductions from Policy LU-6 that are calculated in the Climate Action Plan (CAP) are based on a proposed land use change in the General Plan 2035. The City is an ICLEI member and the CAP was prepared in accordance with guidance and consultation from ICLEI. General Plan 2035 Goal AQ-4 and Policy LU-6 reinforce the City's objective to provide a balance of jobs and housing that serve the needs of the community. The environmental review for future development projects would include a consistency analysis with the General Plan 2035 Goals and Policies. Projects that are found not to be consistent with the General Plan 2035 Goals and Policies would require mitigation. Additionally, per *CEQA Guidelines* Section 15064.4, future projects would be required to comply with the policies of the CAP and reduce greenhouse gas (GHG) emissions in order to achieve the City's reduction goal. Future development would be required to identify compliance with the CAP and the reduction goal. Mitigation would be required for future projects that are not compliant with the CAP.

COMMENT LETTER H

CITY OF MENIFEE

Planning Department

Carmen Cave · Community Development Director

Wallace W. Edgerton
Mayor

Fred Twyman
Vice Mayor

John V. Denver
Councilmember

Darcy Kuenzi
Councilmember

Thomas Fuhrman
Councilmember

March 24, 2011

Greg Smith
City of Murrieta
One Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

RE: Public Review of Draft Environmental Impact Report for the Murrieta General Plan 2035

Dear Mr. Smith:

Thank you for providing the City of Menifee the opportunity to review the Draft Environmental Impact Report (DEIR) for the City of Murrieta's General Plan 2035. Review of the Environmental Impact Report indicates that there will be significant traffic impacts to intersections within the City of Menifee. The City is particularly concerned with the impacts to the intersection of Scott Road and Menifee Road, current traffic assumptions for existing levels of service at the Scott Road Interchange, the exclusion of an analysis of impacts to the intersection of Scott Road and Antelope Road.. H-1

The Planning Department is also concerned with impacts in the change of land uses adjacent to J-Bar Ranch within the North Murrieta Business Corridor Focus Area. It is recommended that a policy be provided to the Land Use Element under the North Murrieta Business Corridor Focus Area regarding buffering or sensitivity to the existing rural residential enclave. H-2

We request that a meeting be scheduled with your staff and Menifee's staff to discuss the traffic impacts and possible policy addition. The City of Menifee reserves the right to comment further on these and other portions of the EIR.

Staff looks forward to the opportunity to work with the City of Murrieta to address these concerns and to fully comment on the proposed project. Please forward any subsequent environmental documents or public hearing notices regarding the project to my attention at 29714 Haun Road, Menifee CA 92586. I can be contacted at (951) 672-6777 or lgordon@cityofmenifee.us for meeting scheduling or any questions or comments. H-3

Sincerely,

City of Menifee Planning Department

Lisa Gordon, Senior Planner

29714 Haun Road
Menifee, CA 92586
Phone 951.672.6777
Fax 951.679.3843
www.cityofmenifee.us

CITY OF MENIFEE

Planning Department

Carmen Cave · Community Development Director

Wallace W. Edgerton
Mayor

Fred Twyman
Vice Mayor

John V. Denver
Councilmember

Darcy Kuenzi
Councilmember

Thomas Fuhrman
Councilmember

March 9, 2011

Greg Smith
City of Murrieta
One Town Square
24601 Jefferson Avenue
Murrieta, CA 90622

RE: City of Menifee Planning Department Comments on General Plan Amendment 2009-2841

Dear Mr. Smith:

The City of Menifee Planning Department has received the notice for the March 9, 2011 public hearing before the Planning Commission on General Plan Amendment 2009-2841 (General Plan 2035). At this time the City of Menifee is in the process of reviewing the Draft EIR that was prepared for the project and which is currently in the public review stage (45 day public review from February 8, 2011 to March 24, 2011).

The City of Menifee may have comments on the project, but will provide those comments after the City has completed our review of the Draft Environmental Impact Report that was prepared for the project. The City of Menifee reserves the right to comment further on the project and Environmental Impact Report.

Thank you again for the sending the public hearing notice. Please forward any subsequent environmental documents or public hearing notices regarding the project to my attention at this office.

Sincerely,

City of Menifee Planning Department

Lisa Gordon, Senior Planner

29714 Haun Road
Menifee, CA 92586
Phone 951.672.6777
Fax 951.679.3843
www.cityofmenifee.us

CITY OF MURRIETA
MAR 10 2011
RECEIVED
PLANNING DEPT

H. RESPONSES TO COMMENTS FROM LISA GORDON, SENIOR PLANNER, CITY OF MENIFEE, DATED MARCH 24, 2011.

H1. The comment letter acknowledges receipt of the Draft EIR. The Commentator expressed concern the following: 1) the intersection of Scott Road and Menifee Road, 2) current traffic assumptions for existing levels of service at the Scott Road Interchange, and 3) the exclusion of an analysis of impacts to the intersection of Scott Road and Antelope Road. Each of these concerns is discussed below.

Scott Road/Menifee Road Intersection Impacts

The Draft EIR does analyze the Scott Road/Menifee Road intersection. As shown on Table 5.4-8 on page 5.4-31 of the Draft EIR, the existing level of service in both the AM and PM is B. As shown on Table 5.4-11, the General Plan 2035 level of service is E in the AM, and F in the PM. Enhanced intersections geometrics are recommended for the intersection; however even with the recommendations, the level of service is E in both the AM and PM. This was concluded to be a significant unavoidable impact.

Traffic Assumptions for Existing Levels of Service on Scott Road

Circulation Element Modeling Methodology

For the Murrieta General Plan 2035 and Draft EIR, the traffic analysis assessed existing and future conditions within the City boundaries. Traffic volumes used in the Murrieta General Plan update traffic study were developed through the use of a travel demand model, which is specific to the City of Murrieta, and consistent with the Riverside County Traffic Analysis Model (RivTAM), and the Southern California Association of Governments (SCAG) travel demand model. RivTAM is a regional transportation model for Riverside County that utilizes Riverside County Projections and Southern California Association of Governments (SCAG) Regional Transportation Plan (RTP) demographic growth projections. The general plans of local jurisdictions serve as input to the growth forecast work and the adopted RTP. Use of RivTAM for modeling a city's general plan update is an acceptable method, as it accounts for land uses depicted in local cities' general plans and regional growth forecasts.

The development of the Murrieta focused travel demand model is based on the Year 2008 Riverside Traffic Analysis Model (RivTAM) in TransCAD platform. The purpose for the development of this focused and detailed model is for use in General Plan traffic forecasting. The Murrieta focused model covers all of the six counties in the SCAG region. New zone structure with 925 zones was designed to detail the Murrieta area and to aggregate a set of zones outside of the area. The model roadway network within the City and sphere area was expanded to include roadways classified as Collector and above, as shown in the City of Murrieta General Plan Circulation Element.

The structure of the Murrieta Model is consistent with the RivTAM model to ensure the compatibility between the two models. Building on RivTAM also minimizes the time and effort needed to maintain and update Murrieta as new elements of the RivTAM model are put into the model job stream. Specifically, the model consists of traditional four-step modeling process including trip generation, trip distribution, mode split, and traffic assignment. Two model scenarios were included in the Murrieta Model, namely the base year 2009 and the forecast year 2035. Given the updated zone structure, corresponding modifications regarding the input data tables and matrices in the four steps were conducted for both of the model scenarios. The validation for base year 2009 was followed to ensure the results match with the both RivTAM model and traffic counts.

The validated model was then used to forecast future volumes for the different scenarios. Peak hour turning model volumes were developed for study intersections using NCHRP methodology.

RivTAM Model Update (2008)

The RivTAM model update was completed in 2008. Data was compiled by Riverside County, and included data collected in mid-2007 for the 2008 base year and projections for the 2035 SED (Socioeconomic Data). The RivTAM model did not include three recent project approvals by the City of Menifee: Commerce Pointe, Menifee Shopping Center, and Junction at Menifee Valley. EIRs were certified for all three projects in December 2008, July 2010, and November 2010, respectively. It is anticipated that the development anticipated for these three projects will be incorporated into the RivTam model when the City of Menifee prepares its first General Plan.

The City of Murrieta issued the Notice of Preparation (NOP) of a Draft EIR on November 19, 2010 with a 30-day public review period ending on December 21, 2010. In a letter dated December 20, 2010, the City of Menifee provided the following comments on the NOP:

> *"The Planning Department is concerned with potential impacts to regional transportation corridors within the project vicinity, specifically possible impacts to the interchanges along Interstate 215. The DEIR should identify mitigation measures for impacts to regional transportation corridors."*

Information regarding the three aforementioned Menifee projects was not provided to the City of Murrieta in the Menifee NOP comment letter or as a follow up to the NOP comment letter to incorporate into the Murrieta General Plan Update traffic model for traffic analysis zones outside the City's corporate boundary and sphere of influence area. If the information was not in the RivTam model or provided by the City of Menifee, the City of Murrieta would not have knowledge of specific development projects outside its corporate boundary to include in a county-wide model.

Existing Intersection Count Data

As noted above, EIRs were certified for the three Menifee projects. As part of the traffic impact analyses for these projects, existing intersection counts along Scott Road were taken in the time periods as listed below:

- Commerce Pointe – August 2006
- Menifee Shopping Center – December 2008
- Junction at Menifee Valley – December 2008

As part of the Murrieta General Plan Circulation Element update, existing intersection counts along Scott Road were conducted in October 2010.

Iteris who conducted the traffic modeling for the Circulation Element update, reviewed the intersection count data at I-215 (northbound and southbound) at Scott Road for the three Menifee projects and the count data collected for Murrieta in October 2010 (refer to AM and PM Peak Hour tables below). They concluded that the volumes were comparable for the 2008 and 2010 time periods; however, the delay and/or levels of service in 2010 were less than those observed in 2008. This reflects counts taken at different points in time, as well as a variety of factors, including but not limited to, installation of improvements that would improve the level of service, reduced traffic levels due to recent economic conditions, or different assumptions in the models, such as cycle lengths or signal timing plans.

AM Peak Hour	NB	NB	NB	SB	SB	SB	EB	EB	EB	WB	WB	WB	Intersection		
	L	T	R	L	T	R	L	T	R	L	T	R	Total	LOS	Delay
I-215 SB at Scott															
Murrieta GP (10/13/10) Signal	0	0	0	258	4	88	0	535	320	447	501	0	2153	C	23.2
Commerce Pointe (8/10/06) AWS	0	0	0	238	0	71	0	361	335	333	294	0	1632	C	21.2
Junction (12/9/08) Signal (Recirculated document used Menifee SC counts)	0	0	0	209	3	102	0	494	336	469	572	0	2185	C	31.6
Menifee Shopping Center (12/9/08) Signal	0	0	0	209	3	102	0	494	336	469	572	0	2185	C	31.6
I-215 NB at Scott															
Murrieta GP (10/13/10) Signal	145	12	349	0	0	0	108	603	0	0	792	380	2389	B	18.0
Commerce Pointe (8/10/06) AWS	73	1	229	0	0	0	109	468	0	0	601	94	1575	F	78.7
Junction (12/9/08) Signal (Recirculated document used Menifee SC counts)	129	0	335	0	0	0	142	561	0	0	912	282	2361	C	20.9
Menifee Shopping Center (12/9/08) Signal	129	0	335	0	0	0	142	561	0	0	912	282	2361	C	20.9

PM Peak Hour	NB	NB	NB	SB	SB	SB	EB	EB	EB	WB	WB	WB	Intersection		
	L	T	R	L	T	R	L	T	R	L	T	R	Total	LOS	Delay
I-215 SB at Scott															
Murrieta GP (10/13/10) Signal	0	0	0	334	4	114	0	580	165	465	603		2265	C	25.6
Commerce Pointe (8/10/06) AWS	0	0	0	196	0	183	0	377	250	259	436	0	1701	D	25.9
Junction (12/9/08) Signal (Recirculated document used Menifee SC counts)	0	0	0	431	5	149	0	536	229	399	618	0	2367	E	68.9
Menifee Shopping Center (12/9/08) Signal	0	0	0	431	5	149	0	536	229	399	618	0	2367	E	68.9
I-215 NB at Scott															
Murrieta GP (10/13/10) Signal	182	6	468	0	0	0	112	780	0	0	913	364	2825	C	23.4
Commerce Pointe (8/10/06) AWS	210	4	278	0	0	0	153	431	0	0	430	149	1655	F	53.0
Junction (12/9/08) Signal (Recirculated document used Menifee SC counts)	219	1	470	0	0	0	119	848	0	0	798	298	2753	E	57.6
Menifee Shopping Center (12/9/08) Signal	219	1	470	0	0	0	119	848	0	0	798	298	2753	E	57.6

Scott Road/Antelope Road Intersection Impacts

Scott Road/I-215 Interchange

Community Facilities District No. 05-8 of the County of Riverside was formed to construct the ultimate improvements to the Scott Road/I-215 Interchange and widen Scott Road from I-215 to SR-79 to 6 lanes. The improvements include a major upgrade to this intersection to expand the bridge crossing, add loops ramps, and size the overcrossing to handle anticipated traffic growth in Menifee and the other areas that use the Scott Road Corridor. The Scott Road/I-215 Interchange Improvement Project falls within the boundaries of the City of Menifee. Riverside County and the City of Menifee are working cooperatively on the environmental and design phases of the project.

Scott Road/Antelope Road Intersection

The Scott Road/Antelope Road Intersection was not studied in the existing General Plan, and the City did not elect to add an analysis of the intersection in the Draft General Plan 2035 or Draft EIR for the following reasons: 1) design work had been completed for the Scott Road/I-215 Interchange (approximately April 2010), and 2) environmental review, including a traffic study, was recently completed, thus, it was not necessary to reanalyze those future conditions. However, the future roadway conditions for the Scott Road/I-215 Interchange, including the Scott Road/ Antelope Road intersection were included in the General Plan 2035 Circulation Element model or the Draft EIR.

H2. The Commentator also recommends a policy to be provided to the Land Use Element under the North Murrieta Business Corridor Focus Area regarding buffering or sensitivity to the existing rural residential enclave.

The Draft General Plan 2035 Land Use Element includes the following policy related to buffering:

LU-3.2 Protect residential areas from the effects of potentially incompatible uses. Where new commercial or industrial development is allowed adjacent to residentially zoned districts, establish and/or maintain standards for circulation, noise, setbacks, buffer areas, landscaping and architecture, which ensure compatibility between the uses.

A reference to Policy LU-3.2 will be added to the goals and policies for the North Murrieta Business Corridor in the Final General Plan 2035.

H3. This comment is acknowledged. The City of Murrieta will continue to work collaboratively with the City of Menifee to address issues of common concern.

On April 21, 2011, the Cities of Murrieta and Menifee met to discuss the issues raised in the March 24, 2011 comment letter on the Draft EIR. One follow-up item was for the City of Menifee to send the City of Murrieta copies of three recent EIRs (Junction at Menifee Valley, Commerce Point, and Menifee Shopping Center) to share information about these three projects and the traffic impact analyses, and for the City of Murrieta to send the City of Menifee a copy of the EIR for the Loma Linda University Medical Center EIR. Copies of the documents have been transmitted to both cities. In addition, both cities agreed to continue to work cooperatively with one another and to share land use and traffic data to be used in the transportation modeling for each city's general plan documents.

CITY OF MURRIETA

MAR 28 2011

RECEIVED
PLANNING DEPT.

VIA FEDERAL EXPRESS

March 24, 2011

Mr. Greg Smith
City of Murrieta
1 Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

Re: Comments to the Draft Environmental Impact Report for the General Plan Update 2035 of the City of Murrieta; Sch. No. 2010111084

Dear Mr. Smith:

On behalf of Antelope Meadowlark 56, LLC ("AM56"), we appreciate this opportunity to submit comments on the Draft Environmental Impact Report, Sch. No. 2010111084 ("DEIR") prepared by RBF Consulting regarding the City of Murrieta General Plan Update 2035 ("GPU"). SunCal is expressing its opposition to the findings and conclusions stated in the DEIR specifically to the North Murrieta Business Corridor ("NMBC"). I-1 I-2

The fundamental flaw in the document stems from the proposition of a generally single type of land use in the NMBC and the significant unavoidable traffic impacts emanating from this land use designation. In fact, numerous Goals and Policies are contrived to support the land use by establishing economic benefits ahead of the environment, disregarding planning alternatives to alleviate significant adverse consequences, and requiring a statement of overriding public benefit. Moreover, despite prior expressions by property owners to cooperate in planning the NMBC area, Goals and Policies are inconsistent and are incompatible with CEQA's requirement to devise alternatives that avoid or mitigate impacts. I-3 I-4

Referring to pages 3-47 & 48, the application of a "City Wide" approach to air quality, healthy community and transportation oriented design is out of scale with the general principles of planning and the focused nature of the study areas stated in Goal LU-13, page 3-63 and policy LU-4.3 page 3.57. I-5

Other, but not all, examples of these inconsistent and rationalized findings can be found in Goal CIR-1 and Policy 1.3, pages 5.4-83. The goal cannot be achieved due to the concentration of the single land use. Traffic circulation at intersections and along segments can be mitigated through land use variations that affect peak travel demand. The traffic study indicates that Antelope, Baxter I-6

and Meadowlark will be 4 lanes with 7 lanes required for turning movements at the respective intersections. VOC and LOS result in unavoidable significant impacts yet no analysis are provided of the size of roads required to support this land use or land use alternatives to avoid the impact. I-6

And the policies to achieve Goal AQ-5 pages 10.7 do not relieve congestion in the NMBC. The circulation study concludes that an unavoidable significant traffic impact occurs in all major roads leading into the core of the NMBC study area including Baxter, Antelope, Meadowlark, Keller, and Clinton Keith even with traffic enhancements. Improving upon the existing air quality is a stated focus for the City of Murrieta as the basin is in nonattainment under both State and Federal standards for which SB 375 targets GHG from traffic. Congestion will result in negative air quality impacts such a GHG and the mobile point emitters in this vicinity. I-7

Goal CIR-6, 7 & 8 pages 5.4-87-91 encourages alternative travel modes to reduce vehicle miles traveled and enhanced pedestrian transit. However, the alternative modes are predominantly vehicular usage with increases in travel lanes, no specific location for mass transit and depend upon future employee/employer behavior. Considering the 816 acre concentration of land use and the negative impacts of a predominantly single characteristic land use, nowhere is a discussion of pedestrian distances, critical mass to support transit, or residential uses that ascribe to TOD or pedestrian walking distances capable of mitigating or avoiding the significant impacts of traffic included. I-8

Further, Chapter 7, Healthy Community Element notes that Murrieta's development pattern is described as *low density and automobile oriented ...with large sections devoted to single land uses,* as an unappealing and unhealthy approach yet, this is precisely the pattern in the GPU for the NMBC. The Healthy Community approach on a city wide scale of 26 square miles is a dubious application that does little to analyze the meaningful impacts to residents or visitors of the proposed land use in the NMBC. And here again, the Goals and Policies of Chapter 7.5 page 7-10-11 ignore the physical environment created by the proposed land use, opting to rely upon human behavior rather than land use planning. The Healthy Community designation in which air quality does not meet federal guidelines should encourage pe destrian circulation in close proximity to employment. I-9

The DEIR does not evaluate alternatives within the NMBC that comply with the Goals and Objectives stated in the DEIR. Making a statement of overriding benefit for traffic impacts to justify land use will result in a low quality environment. This leads to other fundamental flaws, namely, the document fails to provide any long term solutions to avoid them. I-10

Accordingly, Antelope Meadowlark 56 strongly urges careful consideration of its comments on the Draft EIR and that the City further address these comments. It is our position that failure to do so will render the Final EIR deficient. I-11

We look forward to any opportunity to meet and discuss these concerns with you and your staff. Please do not hesitate to contact me.

Respectfully submitted,

Sam Veltri

Sam Veltri
Vice President, Forward Planning
949-241-8436
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I. RESPONSES TO COMMENTS FROM SAM VELTRI, VICE PRESIDENT, FORWARD PLANNING, ANTELOPE MEADOWLARK, LLC, DATED MARCH 24, 2011.

I1. The Commentator states their appreciation to review the Draft EIR. This comment is acknowledged. No further response is necessary.

I2. The Commentator expresses their opposition to findings and conclusions in the Draft EIR related to the North Murrieta Business Corridor. Given that no specifics are provided in the statement, the statement is acknowledged. Refer to Responses I3 through I11.

I3. The Commentator offers opinion regarding a fatal flaw in the Draft EIR stemming from the proposal of a single land use for the North Murrieta Business Corridor and that significant unavoidable traffic impacts result from that single land use. However, the Commentator's premise that the Draft EIR proposes a single land use for the North Murrieta Business Corridor is incorrect. The Draft EIR analyzes the proposed project, which is an update to the City's General Plan. Section 3.5, Project Characteristics, of the Draft EIR details the components of the proposed project, including Contents of the General Plan 2035, Climate Action Plan, Land Use Plan, Land Use Summary, General Plan 2035 Focus Areas, General Plan Buildout, Land Use Designations, Infrastructure Improvements, and General Plan 2035 Goals and Policies.

The North Murrieta Business Corridor has been identified as one of five areas of land use change in the General Plan 2035. In addition, two additional focus areas have been identified for policy change. All seven focus areas are described in Draft EIR Section 3.5.7. As shown on Draft EIR *Exhibit 3-3*, *General Plan 2035 Focus Areas*, three land uses are proposed for the North Murrieta Business Corridor: Commercial, Professional and Office, and Parks and Open Space.

The determination of potential areas of land use change and the economic development focus were contemplated by the City Council in 2008 and 2009 prior to commencing the General Plan Update. In October 2008, the City Council put in place Murrieta's first Comprehensive Economic Development Strategy, which established economic development as the City Council's number one priority. The strategy is intended to diversify the City's economic base through three key purposes: 1) to serve as a roadmap for public and private actions to stimulate economic development, 2) encourage growth and diversification of the local economy, and 3) to promote the creation of higher pay jobs, income, and wealth in the community. Later in 2008 (December 2008), the City Council, based upon information from its Land Use Sub-Committee, determined that as land for office and research and development opportunities becomes saturated in the greater San Diego area, the City of Murrieta will provide the land for the next wave of development expansion. The City Council identified one intent of the future general plan update was to place Murrieta in a positive position, so that when economic conditions

improve, the City will be prepared to embrace that development expansion. In addition, the City Council, based upon recommendations from its Land Use Sub-Committee, identified that the primary focus of land use considerations in the future General Plan Update be those areas that have the greatest potential to accept the next wave of economic expansion, including 1) Antelope Corridor (primarily east side of I-215 to Meadowlark Lane, and from Scott Road to Clinton Keith Road); 2) South Murrieta Business Corridor (generally from I-15 east to Jefferson Avenue and from Murrieta Hot Springs to the southerly City limits); 3) Murrieta Hot Springs North (generally between I-15 and I-215, between Murrieta Hot Springs and Los Alamos Roads).

It is also worth noting the General Plan 2035 would greatly improve the City's job to housing ratio. Under existing conditions, the City's jobs/housing ratio is approximately 0.60, indicating the City is currently housing rich and job poor with insufficient employment opportunities for its residents. The General Plan 2035 would increase the City's existing employment by approximately 555 percent (110,275 new jobs). With implementation of the General Plan 2035, the City's jobs/housing ratio would be approximately 2.9, indicating the City would be able to provide adequate employment opportunities for its residents, potentially allowing them to live as well as work within the City. As such, the General Plan 2035 would provide more employment opportunities for its residents, than are currently provided.

The Commentator offers opinion that "numerous goals and policies are contrived to support the land use by establishing economic benefits ahead of the environment, disregarding planning alternatives to alleviate significant adverse consequences, and requiring a statement of overriding public benefit." The goals and policies in the General Plan 2035 reflect the City Council's number one priority of Economic Development, vision for the General Plan 2035, community priorities, and compliance with existing plans and regulations. As noted above, the Draft EIR analyzes the proposed project, which is the General Plan 2035. In addition, the Draft EIR analyzes a range of reasonable and feasible alternatives (refer to Response I4). Refer to Response I10 regarding the requirements related to Statement of Overriding Considerations.

I4. It is unclear what the Commentator means by "despite prior expressions by property owners to cooperate in planning the NMBC area." Land use meetings were held specifically for the North Murrieta Business Corridor on March 23, 2010 and June 2, 2010 to solicit input on the vision and land use alternatives for this focus area. These meetings were open to not only property owners and businesses within the focus area, but also open to all residents and property owners in the City. In addition, two joint City Council and Planning Commission workshops were held on June 23, 2010 and July 6, 2010 to review land use alternatives for the five focus areas with land use change and to have the City Council and Planning Commission to select a recommended land scenario for each of the five areas. The joint City Council and Planning Commission workshops were publicly noticed and open to all residents and property owners. Representatives from Antelope Meadowlark, LLC had the opportunity to participate in all of the meetings

and workshops and provide their input to planning the North Murrieta Business Corridor area.

The California Environmental Quality Act (*CEQA*) requires that EIRs describe a reasonable range of feasible alternatives to the proposed project that could feasibly attain most of the project objectives and that avoid or substantially lessen any of the significant environmental impacts of the proposed project (*CEQA Guidelines* Sections 15126(d) and 15126.6(a)). Section 6.0, Alternatives, of the Draft EIR analyzed three alternatives to the proposed project in compliance with *CEQA* and the *CEQA Guidelines*: No Project/Existing General Plan Alternative, Scenario A Alternative, and Scenario B Alternative. In addition, Section 6.0 identifies an environmentally superior alternative to the proposed project.

The goals and policies are an integral part of the General Plan 2035 (proposed project). They are not inconsistent or incompatible with *CEQA's* requirement for alternatives. While the Commentator has linked the two in the comment, they are two separate topics: one being the General Plan and the second being the EIR that analyzes the General Plan.

I5. The Commentator is referring to text in the Land Use Element presented in Section 3.4, Setting the Vision: Key Concepts and Vision for General Plan, including the subheading on page 3-46 titled "Citywide Balance of Land Uses," with subheadings of "Land Use and Transportation" and "Economic Development and Job Creation" on page 3-47, and "Mixed Use" and "Transit and Transit-Oriented Development" on page 3-48. These subheadings (topical areas) are intended to be supportive of one another, but one does not take precedent over any other. The text on page 3-46 refers to a balance of land uses and ensuring there is an equitable distribution of land use throughout the City, but does not specifically reference a "city wide" approach to air quality, healthy community, and transportation oriented design. There are separate elements for both Air Quality (General Plan 2035 Chapter 10) and Healthy Community (General Plan 2035 Chapter 7), and the application of the goals and policies for these two elements would be applied city-wide, as appropriate.

The Commentator also references Goal LU-13 and Policy LU-4.3, which are restated below:

Goal LU-13 A focused development and economic development strategy that emphasizes specialized land use policies within identified Focus Areas.

Policy LU-4.3 Locate multiple-family housing adjacent to jobs, retail, schools, open space, public transportation, and transportation corridors. (This policy is related to Goal LU-4 for residential development)

Each of the seven focus areas has goals and policies specific to that area:

North Murrieta Business Corridor: Goal LU-14 and associated policies
Clinton Keith/Mitchell: Goal LU-15 and associated policies
Golden Triangle North (Central Murrieta): Goal LU-16 and associated policies
South Murrieta Business Corridor: Goal LU-17 and associated policies
Multiple Use 3 (MU-3): Goal LU-18 and associated policies
Los Alamos Hills: Goals LU-19 through LU-23 and associated policies
Historic Murrieta Specific Plan: Goal LU-20 and associated policies

Goal LU-13 provides the framework for the individual goals and policies for each of the seven focus areas. Policy LU-4.3 is supportive of focus areas where multiple-family residential uses are proposed, including Clinton Keith/Mitchell, Golden Triangle North (Central Murrieta) and Multiple Use 3 (MU-3).

I6. The Commentator is referencing Circulation Element Goal CIR-1 and Policy CIR-1.3 cited on page 5.4-83 of the Draft EIR. The existing and future circulation system has been analyzed and included in both the Circulation Element and the Draft EIR; the future circulation system reflects the recommended land use scenario. The Draft EIR has identified significant unavoidable traffic impacts for 16 intersections and to roadway segments shown on *Exhibit 5.4-14*, *General Plan 2035 Daily Volume-to-Capacity Ratios*. The Commentator is incorrect that there is no analysis provided of the size of the roads required to support the land uses. *Exhibit 5.4-17*, *General Plan 2035 Circulation Map*, identifies the future circulation system and the roadway classifications throughout the City.

I7. The Commentator is correct in noting the "improving upon the existing air quality is a stated focus for the City of Murrieta as the basin is in nonattainment under both State and Federal standards." The goals and policies in a number of elements, including but limited to Land Use, Circulation, and Air Quality, do focus on improving air quality in the City. As part of the General Plan 2035, a Climate Action Plan was prepared and concluded that the General Plan 2035 would result in a 15.21 percent greenhouse gas emissions reduction over Business As Usual (BAU). The emission reduction target is 15 percent over 2009 conditions. Thus, the General Plan 2035 has exceeded the reduction target and complied with both AB 32 and SB 375.

I8. The Commentator is correct in noting that the General Plan 2035 does not identify specific locations for mass transit. While the City has been involved in discussions regarding both high speed rail and Metrolink, it is too speculative at this time to map stations and routes. The General Plan 2035 is supportive of alternative modes (refer to Circulation Element Goal CIR-6). The General Plan 2035 could be amended when that information is known.

With respect to the traffic impacts, it was also too speculative to run the traffic model for the Circulation Element and Draft EIR to account for either high speed rail or Metrolink. The Draft EIR has provided environmental analysis based upon the available information at the time the document was prepared. The Draft EIR is not required to conduct speculative environmental analysis for unknown future alternative transportation systems.

I9. It is the Commentator's opinion that "the goals and policies of Chapter 7.5 page 7-10-11 ignore the physical environment created by the proposed land use, opting to rely upon human behavior rather than land use planning." As noted in Response I4, the land use alternatives process for the General Plan 2035 was described and outlined multiple opportunities for residents, businesses, and property owners to participate. The impacts of the General Plan 2035 on the environment are thoroughly reviewed in Sections 5.1 through 5.22 in the Draft EIR, which is a program EIR. The Draft EIR reviewed all *CEQA* Checklist topics and questions.

The Healthy Community Element is an optional element that the City has elected to include in the General Plan 2035. It is important to note the all elements in a General Plan have equal status and that the goals and policies of one element are not superior to the goals and policies of another element. The Healthy Community Element includes goals and policies related to Citywide Health, Environmental Health, Public Spaces for Physical Activity and Social Cohesion, Healthy Economy, and Health Goods and Services. However, other health-related goals and policies are contained in the Land Use Element, Circulation Element, Conservation Element, Recreation & Open Space Element, and Air Quality Element. Circulation Element Goal CIR-6 and the associated policies address alternative travel modes and facilities and their availability to service residents and employees/employers. In addition, Air Quality Element Goal AQ-5 and associated policies address improved air quality through an efficient circulation system and reduced vehicle miles traveled.

I10. The Commentator is incorrect regarding the alternatives reviewed in the Draft EIR. Refer to Response I3.

After considering the Final EIR in conjunction with making findings, the Lead Agency (City of Murrieta) must not approve the project if the project will have a significant effect on the environment after imposition of feasible mitigation measures, <u>unless</u> (emphasis added) the Lead Agency finds that the benefits of a proposed project outweigh the unavoidable adverse environmental effects (C*EQA Guidelines* Sections 15092 and 15096(h)). However, when approving a project with unavoidable significant environmental effects, the Lead Agency is required by *CEQA* to prepare a Statement of Overriding Considerations. The Statement of Overriding Considerations is a written statement explaining why the agency is willing to accept the significant effects (*Public Resource Code* Section 21081, *CEQA Guidelines* Section 15093), and requires the Lead Agency to balance the benefits of a proposed project against the unavoidable environmental risks in determining whether to approve a project. The Statement of

Overriding Considerations sets forth the specific overriding social, economic, legal, technical, or other beneficial project aspects supporting the Lead Agency's decision.

I11. The City of Murrieta is fully complying with the requirements of the *California Environmental Quality Act* (*CEQA*) Section 21092.5, and will be preparing written responses to environmental comments provided to the City during the 45-day public review period. In compliance with *CEQA*, all public agencies will be provided written responses to their comments 10-days prior to certification of the Final EIR. In addition, both the Planning Commission and City Council will have the "Comments and Responses" section of the Final EIR for their review and consideration prior to taking any action on the Final EIR.

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March 24, 2011

Greg Smith, Associate Planner
City of Murrieta
1 Town Square
24601 Jefferson Avenue
Murrieta, CA 92562
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VIA US MAIL AND EMAIL

Re: Draft EIR for Murrieta General Plan 2035

Dear Mr. Smith:

The following comments are submitted on behalf of local residents regarding the Draft Environmental Impact Report (DEIR) for the proposed General Plan Update 2035.

General Comments:

The California Environmental Quality Act (CEQA) was adopted as a disclosure and transparency document. The theory is that by providing a document that adequately describes the environmental consequences of a project to decision makers and the public, the decision makers will make a rational decision based upon the true environmental consequences of the project and if they do not, the electorate can hold them accountable for their decisions. The core of this statutory structure is the adequacy of the document as an informational document. J-1

Unfortunately, in this case, the Draft EIR is often conclusory, and does not provide the analysis or examination required by CEQA to inform the public and decision makers of the analytical pathway taken from facts to conclusions. J-2

CEQA also requires that where feasible mitigation exists which can substantially lessen the environmental impacts of a project all feasible mitigation must be adopted. In this way CEQA goes beyond its informational role to require that projects substantively lessen their negative effects on the environment. It is critical to proper drafting of an EIR that all feasible mitigation measures be required of a project. Moreover, all mitigation measures required in the EIR must J-3

be fully enforceable and certain to occur. This General Plan EIR fails to ensure that all feasible mitigation will occur with this Project and instead provides vague, uncertain, and unenforceable mitigation measures. J-3

Air Quality

The DEIR concludes that construction and operational air quality impacts are significant and that no mitigation measures are available beyond the goals and policies identified in the proposed General Plan 2035. The following are feasible mitigation measures which must be adopted before a Statement of Overriding Considerations can be adopted.

For construction air quality impacts, the following measures should be made requirements of implementing projects, where applicable, under the General Plan:

A. Dust

1. Gravel pads must be installed at all access points to prevent tracking of mud onto public roads.
2. Install and maintain trackout control devices in effective condition at all access points where paved and unpaved access or travel routes intersect (eg. Install wheel shakers, wheel washers, and limit site access.)
3. All roadways, driveways, sidewalks, etc., should be completed as soon as possible. In addition, building pads should be laid as soon as possible after grading unless seeding or soil binders are used.
4. Pave all construction roads.
5. Pave all construction access roads at least 100 feet on to the site from the main road. J-4
6. The maximum vehicle speed on unpaved roads shall be 15 mph.
7. Limit fugitive dust sources to 20 percent opacity.
8. Require a dust control plan for earthmoving operations.
9. When materials are transported off-site, all material shall be covered, effectively wetted to limit visible dust emissions, and at least six inches of freeboard space from the top of the container shall be maintained.
10. All streets shall be swept at least once a day using SCAQMD Rule 1186 certified street sweepers utilizing reclaimed water trucks if visible soil materials are carried to adjacent streets.
11. The contractor or builder shall designate a person or persons to monitor the dust control program and to order increased watering, as necessary, to prevent transport of dust offsite.
12. Post a publicly visible sign with the telephone number and person to contact regarding dust complaints. This person shall respond and take corrective action within 24 hours.
13. Extend grading period sufficiently to reduce air quality impacts below a level of significance.
14. The simultaneous disturbance of the site shall be limited to five acres per day.

15. Adequate watering techniques shall be employed to mitigate the impact of construction-related dust particulates. Portions of the site that are undergoing surface earth moving operations shall be watered such that a crust will be formed on the ground surface, and then watered again at the end of each day. Site watering shall be performed as necessary to adequately mitigate blowing dust.
16. Any vegetative cover to be utilized onsite shall be planted as soon as possible to reduce the disturbed area subject to wind erosion. Irrigation systems required for these plants shall be installed as soon as possible to maintain good ground cover and to minimize wind erosion of the soil.
17. Any on-site stockpiles of debris, dirt or other dusty material shall be covered or watered three times daily.
18. Apply non-toxic soil stabilizers according to manufacturers' specifications to all inactive construction areas (previously graded areas inactive for ten days or more).
19. Any site access points within 30 minutes of any visible dirt deposition on any public roadway shall be swept or washed.
20. Excavating and grading operations shall be suspended during first stage ozone episodes or when winds exceed 25 mph. A high wind response plan shall be formulated for enhanced dust control if winds are forecast to exceed 25 mph in any upcoming 24-hour period.

B. Equipment Emissions/ Air Quality Impacts from Construction

J-4

21. Implement activity management techniques including a) development of a comprehensive construction management plan designed to minimize the number of large construction equipment operating during any given time period; b) scheduling of construction truck trips during non-peak hours to reduce peak hour emissions; c) limitation of the length of construction work-day period; and d) phasing of construction activities.
22. Develop a trip reduction plan to achieve a 1.5 AVR for construction employees.
23. Require high pressure injectors on diesel construction equipment.
24. Restrict truck operation to "clean" trucks, such as a 2007 or newer model year or 2010 compliant vehicles.
25. All diesel powered construction equipment in use shall require control equipment that meets, at a minimum Tier III emission requirements. In the event Tier III equipment is not available, diesel powered construction equipment in use shall require emissions control equipment with minimum of Tier II diesel standards.
26. Require the use of CARB certified particulate traps that meet level 3 requirements on all construction equipment.
27. Utilize only CARB certified equipment for construction activities.
28. Require all contractors to turn off all construction equipment and delivery vehicles when not in use and/or idling in excess of 3 minutes.
29. Restrict engine size of construction equipment to the minimum practical size.

30. Use electric construction equipment where technically feasible.
31. Substitute gasoline-powered for diesel-powered construction equipment.
32. Require use of alternatively fueled construction equipment, using, e.g., compressed natural gas, liquefied natural gas, propane, or biodiesel.
33. Use methanol-fueled pile drivers.
34. Install catalytic converters on gasoline-powered equipment.
35. Use electricity from power poles rather than temporary diesel or gasoline power generators.
36. Require the use of Alternative Diesel Fuels on diesel equipment used. Alternative diesel fuels exist that achieve PM10 and NOx reductions. PuriNOx is an alternative diesel formulation that was verified by CARB on January 31, 2001 as achieving a 14% reduction in NOx and a 63% reduction in PM10 compared to CARB diesel. It can be used in any direct-injection, heavy-duty compression ignition engine and is compatible with existing engines and existing storage, distribution, and vehicle fueling facilities. Operational experience indicates little or no difference in performance and startup time, no discernable operational differences, no increased engine noise, and significantly reduced visible smoke.
37. Electrical powered equipment shall be utilized in-lieu of gasoline-powered engines where technically feasible.
38. All forklifts shall be electric or natural gas powered.
39. Any construction equipment using direct internal combustion engines shall use a diesel fuel with a maximum of 0.05 percent sulfur and a four-degree retard. J-4
40. Suspend use of all construction equipment operations during second stage smog alerts.

C. Traffic and Air Quality from Traffic Emissions

41. Provide temporary traffic controls such as a flag person, during all phases of construction to maintain smooth traffic flow.
42. Provide dedicated turn lanes for movement of construction trucks and equipment on- and off-site.
43. Reroute construction trucks away from congested streets and sensitive receptor areas.
44. Configure construction parking to minimize traffic interference.
45. Prior to the issuance of a grading and building permit, require applicants to submit verification that a ridesharing program for the construction crew has been encouraged and will be supported by the contractor via incentives or other inducements.
46. Minimize construction worker trips by requiring carpooling and providing for lunch onsite.
47. Provide shuttle service to food service establishments/commercial areas for the construction crews.
48. Provide shuttle service to transit stations/multimodal centers for the construction crews.

For operational air quality impacts, the following are feasible mitigation measures and should be made requirements of implementing projects, where applicable, under the General Plan:

1. The operator of the primary facilities shall become a SmartWay Partner.
2. Projects shall meet SmartWay 1.25 ratings.
3. Projecst shall use only freight companies that meet SmartWay 1.25 ratings.
4. (ALTERNATIVELY from 2, 3 above) The operator of the primary facilities shall incorporate requirements or incentives sufficient to achieve at least 20% per year (as a percentage of previous percentage, not total trips) increase in percentage of long haul trips carried by SmartWay carriers until it reaches a minimum of 90% of all long haul trips carried by SmartWay 1.0 or greater carriers. Results, including backup data shall be reported to the Planning Department semi-annually.
5. The operator of primary facilities shall incorporate requirements or incentives sufficient to achieve a 15% per year (as a percentage of previous percentage, not total trips) increase in percentage of consolidator trips carried by SmartWay carriers until it reaches a minimum of 85% of all consolidator trips carried by SmartWay 1.0 or greater carriers. Results, including backup data shall be reported to the City's Planning Department semi-annually.
6. All fleet vehicles shall conform to 2010 air quality standards or better. Results, including backup data shall be reported to the Planning Department semi-annually.
7. All spaces utilizing refrigerated storage, including restaurants and food or beverage stores, shall provide an electrical hookup for refrigeration units on delivery trucks. Trucks incapable of utilizing the electrical hookup for powering refrigeration units shall be prohibited from accessing the site. All leasing documents shall include these requirements and provide that violation of those provisions will constitute a material breach of the lease that will result in the termination of the lease. Because of the fact that these terms of the lease are designed to benefit the public, the public shall be considered to be a third party beneficiary with standing to enforce the requirements of the lease. J-4
8. Install catalytic converters on gasoline-powered equipment.
9. Where diesel powered vehicles are necessary, require the use of alternative diesel fuels. Alternative diesel fuels exist that achieve PM10 and NOx reductions. PuriNOx is an alternative diesel formulation that was verified by CARB on January 31, 2001 as achieving a 14% reduction in NOx and a 63% reduction in PM10 compared to CARB diesel. It can be used in any direct-injection, heavy-duty compression ignition engine and is compatible with existing engines and existing storage, distribution, and vehicle fueling facilities. Operational experience indicates little or no difference in performance and startup time, no discernable operational differences, no increased engine noise, and significantly reduced visible smoke.
10. Electrical powered equipment should be utilized in-lieu of gasoline-powered engines where technically feasible.
11. Utilize electrical equipment for landscape maintenance.
12. All forklifts shall be electric or natural gas powered.
13. Utilize electric yard trucks.

14. Prohibit idling of trucks for periods exceeding three minutes.
15. Provide electrical vehicle ("EV") and compressed natural gas ("CNG") vehicles in vehicle fleets.
16. Charge reduced or no parking fee for EVs and CNG vehicles.
17. Install EV charging facilities for a minimum of 10% of all parking spaces.
18. Install a CNG fueling facility.
19. Provide preferential parking locations for EVs and CNG vehicles.
20. Implement parking fee for single-occupancy vehicle commuters.
21. Plant shade trees in parking lots to provide minimum 50% cover to reduce evaporative emissions from parked vehicles.
22. Plant at least 50 percent low-ozone forming potential (Low-OFP) trees and shrubs, preferably native, drought-resistant species, to meet city/county landscaping requirements.
23. Plant Low-OFP, native, drought-resistant, tree and shrub species, 20% in excess of that already required by city or county ordinance. Consider roadside, sidewalk, and driveway shading.
24. Orient 75 percent or more of homes and buildings to face either north or south (within 30 degrees of N/S) and plant trees and shrubs that shed their leaves in winter nearer to these structures to maximize shade to the building during the summer and allow sunlight to strike the building during the winter months.
25. Provide grass paving, tree shading, or reflective surface for unshaded parking lot areas, driveways, or fire lanes that reduce standard black asphalt paving by 10% or more. J-4
26. Electrical outlets shall be installed on the exterior walls of all residential and commercial buildings (and perhaps parking lots) to promote the use of electric landscape maintenance equipment.
27. Prohibit gas powered landscape maintenance equipment within residential, commercial, and mixed-use developments. Require landscape maintenance companies to use battery powered or electric equipment **or** contract only with commercial landscapers who operate with equipment that complies with the most recent California Air Resources Board certification standards, or standards adopted no more than three years prior to date of use or any combination of these two themes.
28. Provide a complimentary cordless electric lawnmower to each residential buyer.
29. Implement parking cash-out program for non-driving employees.
30. Require each user to establish a carpool/vanpool program.
31. Create a car sharing program within planned communities.
32. Create a light vehicle network, such as a neighborhood electric vehicle (NEV) system.
33. Provide preferential parking for carpool/vanpool vehicles.
34. Provide subsidies or incentives to employees who use public transit or carpooling, including preferential parking.
35. Provide secure, weather-protected bicycle parking for employees.

36. Provide direct, safe, attractive pedestrian access from projects to transit stops and adjacent development.
37. Provide direct safe, direct bicycle access to adjacent bicycle routes.
38. Provide showers and lockers for employees bicycling or walking to work.
39. Provide short-term bicycle parking for retail customers and other non-commuter trips.
40. Connect bicycle lanes/paths to city-wide network.
41. Design and locate buildings to facilitate transit access, e.g., locate building entrances near transit stops, eliminate building setbacks, etc.
42. Construct transit facilities such as bus turnouts/bus bulbs, benches, shelters, etc.
43. Provide a display case or kiosk displaying transportation information in a prominent area accessible to employees or residents.
44. Provide shuttle service to food service establishments/commercial areas.
45. Provide shuttle service to transit stations/multimodal centers.
46. Provide on-site child care or contribute to off-site child care within walking distance.
47. Implement a compressed workweek schedule. J-4
48. Implement home-based telecommunicating program, alternate work schedules, and satellite work centers.
49. All buildings shall be constructed to LEED standards.
50. Buildings shall exceed Title 24 requirements by 20%.
51. Design buildings for passive heating and cooling and natural light, including building orientation, proper orientation and placement of windows, overhangs, skylights, etc.
52. Construct photovoltaic solar or alternative renewable energy sources sufficient to provide 100% of all electrical usage for entire projects.
53. Install an ozone destruction catalyst on all air conditioning systems.
54. Construct renewable energy sources sufficient to offset the equivalent of 100% of all greenhouse gas emissions from mobile sources (internal combustion engines) for entire projects.
55. Purchase only green/ renewable power from the electric company.
56. Install solar water heating systems to generate all hot water requirements.

Furthermore, the mitigation measures that are adopted for operational air quality impacts are uncertain and unenforceable. For instance, Policy AQ-5.1 requires only that projects "*encourage* employers to implement transportation demand management measures." J-5

<u>Agriculture</u>

DEIR Exhibits 3-3 and 5.11-1 indicate that development in the North Murrieta Business Corridor Focus Area will occur in lands designated as Farmland of Local Importance. The DEIR claims that "most of this land is not believed to be in agricultural production," however, there is no substantial evidence in the DEIR to support this claim. Thus, the conclusion of the DEIR that agricultural impacts are less than significant is not supported by substantial evidence and J-6

mitigation is required. At a minimum, the City must perform the appropriate analysis to determine whether these lands are still viable farmland before concluding they are no longer viable.

Mitigation for the loss of agricultural lands can include protecting productive agricultural land subject to conversion through the purchase or transfer of its development rights; purchasing conservation easements on existing agricultural lands to ensure the land is never converted to urban uses; and donating funds to a regional or statewide program that promotes and implements the use of agricultural land conservation easements of off-site conservation easements. These measures should be adopted as mitigation measures under the General Plan. J-6

Biological Resources

The conclusion of the DEIR that the General Plan Update will have a less-than-significant impact on biological resources is not supported. The General Plan Update will have a significant impact on biological resources on an individual and cumulative basis including due to conflicts with the Western Riverside County MSHCP. In particular, the proposed land use changes and development in the North Murrieta Business Corridor Focus Area have potential impacts due to conflict with the MSHCP and the loss of conservation areas including Core Areas and Proposed Linkages.

The DEIR states that the North Murrieta Business Corridor Focus Area is currently comprised of vacant or rural residential properties. The General Plan proposes to dramatically change the land use designations of this area to allow for intense commercial and medical development to include an additional 1,672,843 square feet of commercial uses and 7,666,185 square feet of office and research uses. The development of this area will have a significant impact both directly and cumulatively on the Antelope Valley Proposed Core 2 and Sedco Hills–Paloma Valley Proposed Constrained Linkage 16 among other conservation areas. This must be considered a significant impact of the project. Moreover, the statement that individual projects will be reviewed for MSHCP compliance ignores the purpose of a cumulative impact analysis. J-7

Furthermore, there does not appear to be any discussion in the DEIR of impacts to species not covered by the MSHCP.

Land Use

Conflict with the Riverside County Airport Land Use Commission Compatibility Plan

The DEIR concludes that conflict with the Riverside County Airport Land Use Commission Compatibility Plan (Compatibility Plan) is a significant and unmitigable impact of the proposed General Plan Update. J-8

It is stated that portions of the City where development will occur under the General Plan are located within the various designated airport land use zones under the Compatibility Plan. The DEIR concludes that the proposed General Plan will result in significant impacts due to conflicts with the Compatibility Plan. More specifically, because the General Plan proposes the

development of residential and other uses at higher densities than allowed under the Plan within designated airport zones, the DEIR finds the project presents a significant land use impact and that there is no mitigation available to lessen the significant impact.

Contrary to the conclusion of the DEIR, feasible mitigation exists to lessen land use impacts due to the project's inconsistency the Compatibility Plan. First, the General Plan does not consider or adopt the mitigation measures identified in the French Valley Airport Land Use Compatibility Plan Initial Study and Mitigated Negative Declaration (MND), namely the measures identified at DEIR Page 5.1-9. Compliance with these measures would presumably bring the General Plan into conformance the density criteria set forth under the Compatibility Plan and would mitigate the land use impacts of the project, in addition to addressing the potentially significant noise and hazard impacts associated with the development of residential and other uses in airport zones.

J-8

Although the DEIR does not specifically state what densities are allowed in the B1 and B2 zones under the adopted Compatibility Plan, and does not clearly state what densities would be applicable to the areas of the City affected by the density restrictions, the DEIR states that the proposed densities are inconsistent with the Compatibility Plan. Thus, mitigation measures must be adopted which limit the allowable densities, consistent with the density criteria specified in the Compatibility Plan.

Furthermore, no policy justification can be provided for allowing houses and other uses within airport hazard zones at densities greater than what is recommended by the ALUC. It is also unclear why the land use designations within the hazard zones cannot be modified or otherwise be brought into compliance with the density and other restrictions of the ALUC Plan under the new General Plan.

Conflict with the Western Riverside County MSHCP

The conclusion that the project will have a less than significant impact with mitigation with regard to consistency with the MSCHP is not supported by substantial evidence when it is known that development will occur under the General Plan in areas proposed for conservation under the MSHCP and in existing Conserved Lands including PQP Conserved Lands and Pre-existing Conservation Agreements.

J-9

The proposal to allow significant development within areas designated under the MSHCP for conservation must be considered a significant direct and cumulative impact of the project, regardless of whether individual projects will be reviewed for their consistency with the MSHCP.

<u>Hazards</u>

The General Plan continues to propose development in airport zones at greater densities than recommended by the ALUC thereby creating a public safety hazard. This must be considered a significant impact of the project and appropriate mitigation adopted.

J-10

Moreover, the conclusion of the DEIR that there are potentially significant land use impacts due to conflicts with the ALUC Compatibility Plan cannot be reconciled with the conclusion of the DEIR that hazard impacts are less than significant due to the development of housing and other uses in airport hazard zones. Given the General Plan's inconsistency with the ALUC Plan, the DEIR must find that there are potentially significant hazard impacts and appropriate mitigation adopted. J-10

Noise

Construction Noise

The conclusions with respect to construction noise are not based on substantial evidence. First, the DEIR fails to provide any information with respect to the noise levels produced by the construction equipment or the transport of workers and equipment to construction sites. With respect to the operation of equipment, any single piece of construction equipment is known to generate noise levels of 70 to 90 dBA. Second, it is not shown on the basis of substantial evidence that adopted mitigation is adequate to lessen significant impacts. The DEIR claims that through the implementation of Goal N-4 and Policies N-4.1 through N.4.6 that construction noise impacts will be reduced to below significance thresholds. For example, the DEIR claims that limiting the hours of construction activity in residential areas to reduce intrusive noise in the early morning and evening hours will lessen construction noise impacts. Compliance with an ordinance limiting the hours of construction does not ensure that construction noise will be less than significant during daytime hours when construction is permitted. Overall, there is no assurance that individual projects will be able to achieve compliance with the City's noise standards. J-11

Operational Project Noise

The conclusions with respect to operational traffic noise are not based on substantial evidence and are contradicted by the evidence. A comparison of Table 5.7-5 and Table 5.7-9 show that a number of roadway segments will experience significant increases in traffic noise with the project, many greater than a 3 dBA increase. Many of these segments are in residential areas. This must be considered a significant impact of the General Plan Update. The DEIR claims that adherence to Goal N-3 "would minimize noise from mobile sources." Goal N-3 includes policies such as N-3.1 which is to "*consider* noise mitigation measures in the design of all future streets and highways" and N-3.3 to "*encourage* the construction of noise barriers" and N.-3.5 to "consider requiring traffic plans for construction projects." None of these measures are mandatory requirements of future implementing projects and none are certain to ensure that traffic noise levels particularly in residential areas will be below thresholds of significance. Traffic noise will be significant without the implementation of the mitigation measures. Since none of the generalized policies are mandatory requirements for future projects, the finding cannot be made that traffic noise will be less than significant with mitigation incorporated. J-12

Water Supply

For water supply, the conclusions of the DEIR are not based on substantial evidence to the extent that there was no water supply assessment prepared for the General Plan Update as required by CEQA Guidelines § 15155. The conclusions of the DEIR are also not based on substantial evidence to the extent the discussion of water supply assumes that there will adequate water supply for the proposed project by reference to the 2005 Urban Water Management Plan for each of the four water service providers but fails to disclose whether those UWMPs accounted for the increased development facilitated by the General Plan Update. (*See, Vineyard Area Citizens For Responsible Growth v. City of Rancho Cordova* (2007) 40 Cal.4th 412, 434.) The DEIR finds that with implementation of the General Plan that water demand would increase from 39,179AF/Y to 15,632 AF/Y, however, there is no substantial evidence to support the claim that the water districts will be able to meet the increased demand, including evidence that the various 2005 UWMP's have accounted for the increased development and population increases expected with implementation of the General Plan Update. Similarly, there is no substantial evidence to support the conclusion that there will no cumulative water supply impacts because there is no evidence to show that the project, when combined with other projects in the area, will not cause a significant increase in demand for water. The claim that water supply will be evaluated on a "project-by-project" basis defeats the purpose of a cumulative impact analysis and constitutes an improper deferral of analysis of water supply impacts. J-13

Traffic

The DEIR concludes that under the new land use designations created by the General Plan Update numerous roadway segments and 16 intersections will operate at unacceptable levels of service even with mitigation measures. It is unfortunate that the City is paving the way for new development (*e.g.,* in the North Murrieta Business Corridor) when it is known that traffic impacts in these areas will exceed thresholds of significance. The City cannot make the policy determination that the purported benefits of the project outweigh these significant new traffic impacts. Furthermore, as a policy, the City should not approve a blueprint for future development that would allow individual implementing projects to avoid traffic mitigation by reference to the General Plan document which finds impacts to be significant and unavoidable. J-14

Finally, as with the air quality mitigation measures, many of the traffic mitigation measures are not mandatory requirements and therefore are unenforceable within the meaning of CEQA.

GHGs

The City adopts an emission reduction goal as the threshold of significance for Greenhouse Gas Emissions. However, none of the policies aimed at lessening GHGs are requirements of future implementing projects thus there can be no assurance that the City will be able to achieve its emission reduction goals. Additionally, none of the measures are aimed at the air quality emissions generated by commercial and industrial projects. J-15

Alternatives

CEQA requires that a lead agency evaluate a reasonable range of project alternatives which are designed to meet basic project objectives and lessen or avoid the significant impacts of the project. Here the City has evaluated two alternatives to the proposed General Plan Update besides the "No Project" alternative. These alternatives, however, fail to satisfy the mandate that they be designed to lessen or avoid the significant impacts of the project. Alternative Scenario A involves the development of more residential and less nonresidential uses within the Focus Areas. According to the DEIR, this alternative would result in "similar" environmental impacts including in the areas of land use, air quality, traffic, and noise when compared to the proposed project and greater impacts in the areas of population, housing and employment, public services and utilities, and recreation. Alternative Scenario B also involves the development of more residential and less nonresidential uses within the Focus Areas. According to the DEIR, it would also result in "similar" and "greater" impacts as under the proposed project. Thus, neither alternative selected for analysis meets the requirement that they be designed to lessen the significant impacts of the project.

Furthermore, even though it is clear that Scenario A is not a true alternative to the proposed project the DEIR concludes that it is the environmentally superior alternative because it allows for "greater non-residential development in support of the City's economic development goals and would meet project objectives." The lead agency is required to select an environmentally superior alternative *to the proposed project* besides the "no project" alternative. As discussed above, it is obvious that neither Scenario A nor Scenario B is environmentally superior to the proposed project; in fact, they are environmentally inferior in that they present the possibility for even greater environmental harm than the proposed project. As a result, the adoption of the proposed project is inevitable – a result that CEQA prohibits under these circumstances. By failing to identify an environmentally superior alternative to the proposed project, the DEIR violates the requirements of CEQA. Moreover, the DEIR implies that Scenario A was selected as the environmentally superior alternative because it is superior to Alternative Scenario B; CEQA, however, requires that a lead agency select an environmentally superior alternative *to the proposed project*. While Scenario A may "allow for greater non-residential development in support of the City's economic development goals" (*i.e.,* when compared to Scenario B), the question is whether Scenario A is environmentally superior to the proposed project which it clearly is not. Also, given that Scenario A and Scenario B both result in "similar" impacts when compared to the proposed project and both result in "greater" impacts in the same impact areas, Scenario A cannot be considered the environmentally superior to Scenario B. Finally, the selection of the environmentally superior alternative must be based on environmental reasons, not economic or other similar justifications. Thus, in this instance, the conclusion of the DEIR that Scenario A helps the City to achieve its economic goals is not a finding that the alternative is *environmentally* superior. J-16

The City must consider true alternatives to the proposed project that are designed to meet basic project objectives and lessen or avoid the significant impacts of the project. Since both alternatives selected for analysis besides the no-project alternative involve greater residential and less nonresidential uses in the Focus Areas, appropriate alternatives would involve less commercial and other similar uses in the Focus Areas; that is, the City should consider a variety

of alternatives which scale back the commercial and similar uses currently contemplated in the Focus Areas. A reduced commercial alternative(s) would still meet basic objectives and could be at least designed to lessen the significant traffic, air quality, and noise impacts of the project. J-16

Thank you for your consideration of these comments.

Sincerely,

Raymond W. Johnson
JOHNSON & SEDLACK

J. RESPONSES TO COMMENTS FROM RAYMOND W. JOHNSON, JOHNSON & SEDLACK, DATED MARCH 24, 2011.

J1. The Commentator provides a description of the *California Environmental Quality Act* (*CEQA*) process as one of disclosure and transparency. This comment is acknowledged. No further response is necessary.

J2. The Commentator is offering opinion regarding the "Draft EIR is often conclusory and does not provide the analysis or examination required by CEQA." This statement is incorrect. The Draft EIR was prepared as a Program EIR in compliance with *CEQA Guidelines* Section 15168. The following text is restated from Section 2.3.2, Program Environmental Impact Report and Technical Appendices, of the Draft EIR.

> The Murrieta General Plan 2035 Program EIR is intended to serve as a Program EIR or "first tier EIR." *CEQA Guidelines* Section 15168 states that a Program EIR can be prepared in connection with the "*issuance of rules, regulations, plans, or other general criteria to govern the conduct of a continuing program.*" The Program EIR has been prepared for the General Plan 2035.
>
> *CEQA Guidelines* Section 15168 (a) states that a Program EIR is appropriate for evaluating "*. . . a series of actions that can be characterized as one large project and are related either: (1) Geographically; (2) As logical parts in the chain of contemplated actions; (3) In connection with the issuance of rules, regulations, plans, or other general criteria to govern the conduct of a continuing program; or (4) As individual activities carried out under the same authorizing statutory or regulatory authority and having generally similar environmental effects which can be mitigated in similar ways.*"
>
> According to *CEQA Guidelines* Section 15168 (b), the advantages of a Program EIR include the following: 1) provide an occasion for a more exhaustive consideration of effects and alternatives than would be practical in an EIR on an individual action; 2) ensure consideration of cumulative impacts that might be slighted in a case-by-case analysis; 3) avoid duplicative reconsideration of basic policy considerations; 4) allow the Lead Agency to consider broad policy alternatives with program wide mitigation measures at an early time when the agency has greater flexibility to deal with basic problems or cumulative impacts, and 5) allow reduction in paperwork.
>
> Subsequent development projects proposed within the City must be reviewed in the context of this Program EIR to determine if additional environmental documentation is required. If the subsequent project would have environmental effects not addressed in the Program EIR, additional environmental review will be required. Where no new effects and no new mitigation measures are

involved, the subsequent project can be approved without additional environmental documentation. Where an EIR is required for a subsequent project, the EIR should implement the applicable mitigation measures developed in the Program EIR, and focus its analysis on site-specific issues not previously addressed.

The impacts of the proposed General Plan 2035 on the environment are thoroughly reviewed in Sections 5.1 through 5.22 in the Draft EIR, which reviewed all CEQA Checklist topics and questions. The Draft EIR provides the appropriate level of analysis in a Program EIR to inform the public and the decision makers of the environmental impacts associated with the General Plan 2035 (proposed project).

J3. The Commentator is not specific about which mitigation measures are vague, uncertain, and unenforceable, nor is the statement true. The mitigation measures identified in the Draft EIR are applicable to all future development projects. In addition, as part of the Final EIR, a Mitigation Monitoring and Reporting Program will be prepared, and will further detail compliance timing and responsibilities.

J4. The comment provides various construction and operational air quality mitigation measures and requests the incorporation of these into the Final EIR. The Draft EIR is a programmatic document that analyzes proposed land use changes and anticipated growth within the City. The air quality analysis does not review a specific development project. Future development projects would require individual CEQA review where specific impacts would be determined and necessary mitigation, such as those suggested by the Commentator, would be identified if necessary.

The comment includes an extensive list of construction emissions mitigation measures, many of which coincide with SCAQMD rules and regulations. For example, the dust control measures are addressed in SCAQMD Rule 403, which is a mandatory component for large earthmoving operations (i.e., Paragraph (f)(1) of Rule 403). Rule 403 requires implementation of control measures to prevent, reduce, or mitigate fugitive dust emissions and includes a performance standard that prohibits visible emissions from crossing any property line. Under Rule 403, large operations (projects greater than 50 acres and/or more than 5,000 cubic yards of daily earth-movement) are required to notify the SCAQMD of the project location and implement Table 2, and, if necessary Table 3, control measures and maintain recordkeeping. SCAQMD Rule 403 provides Best Available Control Measures (BACM) for high wind conditions in Table 1. These measures include requirements for stabilizing disturbed surfaces where dust may not exceed 20 percent opacity. The measures within Rule 403 also include requirements for watering, trackout controls, temporary coverings, and chemical stabilizers. It should be noted that each of the dust control measures cited by the Commentator are already components of Tables 1 through 3 of Rule 403.

Future development projects would be required to comply with all applicable SCAQMD rules and regulations. Additionally, the construction air quality analysis within the Murrieta General Plan DEIR includes Policies AQ-3.1 and AQ-3.2, which require compliance with current SCAQMD rules, regulations, and thresholds, and implementation of all SCAQMD best management practices. General Plan Policy AQ-3.3 requires Best Available Control Measures for projects that exceed SCAQMD thresholds. Policy AQ-3.4 requires a construction management plan that includes Best Available Control Measures and other control measures for projects that exceed SCAQMD thresholds. Specific impacts from individual construction projects and the applicability of mitigation measures would be determined as part of the project-specific CEQA review.

Additional mitigation measures are provided in the comment to reduce operational emissions including traffic emissions. The General Plan 2035 establishes the City's mobility goals by providing improved local and regional transit services as well as a connected, balanced, and integrated transportation system of bicycle and pedestrian networks. Such alternatives to automotive transportation can be greatly utilized to reduce mobile source emissions. For example, the Draft EIR includes General Plan Goal AQ-4 and Policies AQ-4.1 through AQ-4.4, which would reduce vehicle miles traveled (VMT) and associated mobile source emissions through job creation and the improvement of the jobs/housing balance within the City, as well as the encouragement of a mix of housing types located near job opportunities. Climate Action Strategy 1, Goal CIR-6 and associated Measure CIR-6.12, would increase public education of public transit options through public workshops. Climate Action Strategy 2, Goals LU-7 and LU-8 and Measures LU-7.4, LU-7.8, LU-8.1, LU-8.2, and LU-8.4 through LU-8.8, would promote transit-oriented development within the City. Specifically, multi-modal transit opportunities should be located near higher density residential, mixed-use, and employment development to increase transit ridership and reduce vehicle miles traveled (VMT). Pedestrian-friendly measures are addressed by Climate Action Strategy 2, Goals LU-9 and LU-10, Measures LU-9.1 through LU-9.8, and LU-10.1 through LU-10.9. Mixed-use development, infill development, shortened blocks, and pedestrian-oriented design would encourage pedestrian modes of travel as opposed to vehicular travel. These Strategies and Goals represent a change in the development pattern in order to reduce dependence on automobile use. Furthermore, Climate Action Strategy 3 targets transportation and mobility and identifies opportunities to improve mobility such as walking, bicycling, and transit use, and to decrease the need to drive.

The General Plan 2035 includes several Focus Areas where high density residential, mixed-use, business, and commercial centers would be located. For example, the North Murrieta Business Corridor would focus a mix of commercial and office and research park development around the Loma Linda University Medical Center as well as other support uses. The Clinton Keith/Mitchell Focus Area would provide a variety of uses within an area that is primarily residential uses. The South Murrieta Business Corridor would create a major employment center near proposed transit centers including

Metrolink and high speed rail stations. The Focus Areas improve the mix of uses within each area and within the City to create a jobs/housing balance, provide support uses to reduce travel distances, and focus development near planned mass transit facilities..

J5. The comment states that the policies identified for operational air quality impacts are uncertain and unenforceable. However, the Draft EIR is a programmatic document that analyzes proposed land use changes and anticipated growth within the City. The air quality analysis does not review a specific development project. The General Plan 2035 contemplates development potential in various Focus Areas throughout the City. The proposed land uses as well as the General Plan 2035 goals and policies encourage locating employment centers, providing a mix of uses, and organizing these areas in proximity to existing and planned local and regional transit facilities. Future development projects would require individual CEQA review where specific impacts would be determined and necessary mitigation beyond the General Plan 2035 Goals and Policies would be identified if necessary, along with the requirement to identify mechanisms for timing and enforcement per CEQA.

J6. The Commentator has correctly referenced Exhibit 5.11-1 and that future development within the North Murrieta Business Corridor would occur on lands designated in 2008 as Farmland of Local Importance.

Draft EIR Section 5.11.4, Project Impacts and Mitigation Measures, provides an analysis of impacts related to agricultural resources. To clarify the statement regarding Locally Important Farmland, the following modification on page 5.17-10 of the Draft EIR will be made in the Final EIR.

> The 2008 Important Farmland map shows Locally Important Farmland throughout the City. However, as stated above, most of this land is not ~~believed to be~~ in agricultural production based upon City staff review of parcel records and field inspection, and therefore may not be eligible for inclusion on the Important Farmland maps expected to be released in 2011.

The purpose of an EIR is to determine if there are environmental impacts associated with a proposed project and the significance level of those impacts. For this Draft EIR, the impacts associated with implementation of the proposed project (General Plan 2035) were analyzed and significance levels determined. The Draft EIR is not required to determine the viability of potential agricultural lands. Those determinations are made by the California Department of Conservation and Riverside County. The Draft EIR has accurately reported the types of farmland within the City, based upon the best available information at the time the EIR was prepared.

The Commentator has offered suggestions for mitigation related to agricultural land. It is not necessary to include mitigation, as the impacts related to agricultural resources have all been determined to be less than significant.

J7. The conclusions in the Draft EIR regarding biological resources are supported by the data and analysis in Section 5.10, which are based upon the *Western Riverside County Multiple Species Habitat Conservation Plan*, adopted June 17, 2003, and the *Western Riverside County Multiple Species Habitat Conservation Plan Final Environmental Impact Report/Environmental Impact Statemen*t, adopted June 17, 2003. Both documents have been incorporated by reference in accordance with *CEQA Guidelines* Section 15148, and described in Draft EIR Section 2.7, Incorporation By Reference. Section 2.7, which identifies the conclusions of the Final Environmental Impact Report/Environmental Impact Statement. The following text is restated from Draft EIR pages 2-16 and 2-17.

> *The impact conclusions for the Proposed Action/Proposed MSHCP from the EIR/EIS (Table ES-8) are provided below. All impacts were concluded to be less than significant, except for the following three significant and unavoidable impacts:*
>
> *1) Sensitive Upland (chapparal, coastal sage scrub, desert scrub, grasslands, Riversidean alluvial fan sage scrub)*
>
> *2) Non-Covered Species*
>
> *3) Existing population and housing projections are substantially exceeded*

The following text is restated from Draft EIR pages 2-18 and 2-19 and summarizes the actions taken by the City of Murrieta related to the *Western Riverside County Multiple Species Habitat Conservation Plan* and the *Western Riverside County Multiple Species Habitat Conservation Plan Final Environmental Impact Report/Environmental Impact Statement*.

> *On September 16, 2003, the City of Murrieta City Council adopted Resolution No. 03-124, which is a resolution of the City Council of the City of Murrieta making responsible agency findings pursuant to the California Environmental Quality Act for the Multiple Species Habitat Conservation Plan/Natural Community Conservation Plan and approving the Western Riverside County Multiple Species Habitat Conservation Plan/Natural Community Conservation Plan and Implementing Agreement, adopting the environmental findings pursuant to the California Environmental Quality Act, and adopting a Statement of Overriding Considerations. With Resolution No. 03-124, the City Council resolved:*

A. The Final EIR/EIS prepared for the MSHCP has been received by the City Council and incorporated herein by this reference.

B. The City Council hereby finds and determines that the Final EIR/EIS has been completed incompliance with CEQA and the State CEQA Guidelines and, as the decision-making body for the City of Murrieta, the City Council has review and considered the information contained in the Final EIR/EIS and related documents in the record and all of the environmental effects of the MSHCP.

C. The City Council concurs with the environmental findings in County Resolution No. 2003-299 and adopts these finding, attached hereto as Exhibit B and incorporated herein by this reference. The City Council also finds that there are no additional feasible mitigation measures or alternatives within its powers that would substantially lessen or avoid any significant effects that the MSHCP would have on the environment.

D. The City Council concurs with the statement of overriding considerations in County Resolution No. 2003-299 and adopts the statement, and finding that the benefits of the MSHCP outweigh the adverse environmental impacts not reduced to below a level of significance.

E. The City Council hereby approves the MSHCP and authorizes the Mayor to execute the Implementing Agreement.

F. The City Council hereby authorizes and directs that a Notice of Determination shall be filed with the Clerk of the County of Riverside within five (5) working days of approval of the Project.

Section 2.8, CEQA Document Tiering, provides a description of how *Western Riverside County Multiple Species Habitat Conservation Plan* and the *Western Riverside County Multiple Species Habitat Conservation Plan Final Environmental Impact Report/Environmental Impact Statemen*t, were utilized in the Draft EIR.

The following text is restated from Draft EIR page 2-20.

In the case of this proposed project (General Plan 2035), a Final EIR/EIS was certified for the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) in June 2003. The Final EIR/EIS analyzed the impacts associated with adopting the MSCHP, including the issuance of "Take" permits for certain species pursuant to Section 10(a)(1)(B) of the Federal Endangered Species Act and Section 2800 et seq. of the California Fish and Game Code. The MSCHP was previously described in Section 2.7, Incorporation by Reference, as were the five CEQA/NEPA (National Environmental Policy Act) topical areas reviewed in the Final EIR/EIS.

The Western Riverside County Multiple Species Habitat Conservation Plan Final EIR/EIS is considered a first-tier EIR. The EIR for this proposed project (General Plan 2035) is considered a second-tier EIR for the topic of biological resources. The analysis in this EIR has: 1) incorporated by reference the Western Riverside County Multiple Species Habitat Conservation Plan Final EIR/EIS and 2) will tier the analysis in this EIR to focus on impacts within the City of Murrieta not previously analyzed in the Final EIR/EIS.

The analysis is Draft EIR Section 5.10, Biological Resources, tiers of the data, analysis and conclusions in the Western Riverside County Multiple Species Habitat Conservation Plan Final EIR/EIS, and specifically addresses potential impacts associated with implementation of the Draft General Plan 2035, which is a policy document. No specific development projects are proposed with the Draft General Plan 2035.

Draft EIR pages 5.10-51 through 5.10-54 address consistency impacts with the Western Riverside County Multiple Species Habitat Conservation Plan. The analysis does identify land use Focus Areas that could have future development within the Proposed Linkages and Cores identified in the MSHCP, including the North Murrieta Business Corridor. The analysis correctly identifies that the City of Murrieta is a local Permittee under the MSHCP, and that future development would undergo environmental and design review on a project-by-project basis to confirm consistency with the City's MSHCP Implementation Policy and the MSHCP Specific Conservation Guidelines and Area Plan Conservation Criteria, as provided in the MSHCP and the City's adoption of same. In addition, future development's compliance with the HANS process would ensure consistency with the MSHCP. The analysis appropriately concludes that the less than significant impacts would occur and that the Draft General Plan 2035 does not conflict with the provisions of the Western Riverside County MSHCP.

Cumulative impacts are not ignored in the Draft EIR, but are discussed on Draft EIR pages 5.10-54 through 5.10-56. As noted on page Draft EIR page 5.1-54, "Cumulative biological impacts are analyzed in terms of consistency with the Western Riverside County Multiple Species Habitat Conservation Plan." Draft EIR page 5.10-56 states *"All future development within Western Riverside County would undergo environmental and design review on a project-by-project basis, in order to evaluate potential impacts to biological resources and ensure consistency with the Western Riverside County MSHCP. Future development with potential to impact biological resources would also be required to comply with the established Federal and State regulatory framework."* This statement is appropriate for a Program EIR and for the purpose of analyzing cumulative impacts consistency with the *Western Riverside County MSHCP*.

As noted above, no specific development projects are proposed with the Draft General Plan 2035. In addition, the Draft EIR has been prepared as a Program EIR in compliance with *CEQA Guidelines* Section 15168. Subsequent development projects proposed within the City must be reviewed in the context of the Program EIR to determine if

additional environmental documentation is required. If the subsequent project would have environmental effects not addressed in the Program EIR, additional environmental review will be required. Where no new effects and no new mitigation measures are involved, the subsequent project can be approved without additional environmental documentation. Where an EIR is required for a subsequent project, the EIR should implement the applicable mitigation measures developed in the Program EIR, and focus its analysis on site-specific issues not previously addressed.

The Commentator's statement that the Draft EIR does not address species not listed by the MSHCP is incorrect. As noted in Section 5.10.2, Environmental Setting, page 5.10-35 of the Draft EIR, a total of 27 special status species (plants and wildlife), seven special status plant species (i.e., Federal or State Endangered or Threatened or California Species of Concern), and 20 special status wildlife species (i.e., Federal or State Endangered or Threatened or California Species of Concern) are known or expected to occur with the City or the Sphere of Influence. As noted in *Table 5.10-2* in the Draft EIR, all 54 of the special status species, both plants and wildlife, have been identified within the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). Thus, based upon information available at the time the Draft EIR was prepared, all identified species within the City and the Sphere of Influence are covered by the MSHCP. And therefore, the impact conclusion on the bottom of page 5.10-40 of the Draft EIR correctly states *"All 54 Planning Species (Listed and Non-Listed) known or expected to occur in the City/SOI are adequately conserved under the MSHCP."*

In addition, the City received a letter from the Regional Conservation Authority (RCA) regarding the Draft General Plan and EIR, and provided the following statement.

"The Draft General Plan and DEIR accurately document the City's reliance on the MSHCP for species take on public and private development if the MSHCP's provisions are implemented as required by the Implementing Agreement (IA). If the City maintains consistency with the MSHCP on a project by project basis the MSHCP provides the mitigation for direct, indirect, and cumulative impacts to biological resources under the California Environmental Quality Act."

J8. Section 5.1.4 of the Draft EIR does conclude that the proposed project (General Plan 2035) would conflict with the Riverside County Airport Land Use Compatibility Plan, and as such impacts were concluded to be significant unavoidable (refer to Draft EIR pages 5.1-54 and 5.1-55).

The following text is restated from Draft EIR page 5.1-54, and provides the analysis for the impact conclusion.

> *The existing General Plan is not consistent with the Compatibility Plan, as the General Plan land use designations do not meet the density or intensity criteria specified in the Compatibility Plan, even with the implementation of mitigation*

measures identified in the French Valley Airport Land Use Compatibility Plan Initial Study and Mitigated Negative Declaration. The proposed General Plan 2035 is not recommending any land use changes for the areas within the French Valley Airport Compatibility Zones. Thus, new land use compatibility impacts with the Compatibility Plan for French Valley Airport would not occur. However, existing incompatibility impacts would continue to occur as the proposed General Plan 2035 land use designations for areas within the Airport Zones would remain unchanged. Therefore, as with the existing General Plan, the proposed General Plan 2035 land use designations would not meet the density or intensity criteria specified in the Compatibility Plan, resulting in a significant and unavoidable impact.

As noted in the text from page 5.1-54 in the Draft EIR, the existing General Plan is not consistent with the Compatibility Plan and the proposed General Plan 2035 is not proposing any land use changes for areas within the French Valley Airport Compatibility Zones. It is not necessary to impose new mitigation measures, as the mitigation measures adopted as part of The French Valley Airport Land Use Compatibility Plan Initial Study and Mitigated Negative Declaration (September 2007), which are listed on Draft EIR page 5.1-9, are still applicable.

In addition, a local agency may overrule the Airport Land Use Commission's inconsistency finding. The following text is restated from Draft EIR page 5.1-10.

A local agency general plan or specific plan that includes areas covered by an adopted ALUCP must submit its general plan or specific plan (or any amendments thereto) to the ALUC for a consistency determination. If the general plan or specific plan is considered inconsistent with the ALUCP, the local agency's governing body may "overrule" the ALUC's inconsistency determination after a hearing by a two-thirds vote. In overruling the ALUC's determination, the local agency's governing body must make findings that its general plan or specific plan is consistent with the purposes of the State Aeronautics Act, as stated in California Public Utilities Code Section 21670.

The following statements are acknowledged and will be forwarded to the Planning Commission and City Council for their consideration.

"Furthermore, no policy justification can be provided for allowing houses and other uses within airport hazard zones at densities greater than what is recommended by the ALUC. It is also unclear why the land use designations within the hazard zones cannot be modified or otherwise brought into compliance with the density and other restrictions of the ALUC Plan under the new General Plan."

On May 12, 2011, the City of Murrieta received a conditional consistency finding from the Riverside County Airport Land Use Commission with the French Valley Airport Land Use Compatibility Plan. The consistency finding was made with the addition of several policies into the Final General Plan 2035 requested by the Riverside County Airport Land Use Commission, as well as modification to the lowest residential density per acre for the Rural Residential designation. For the Final General Plan 2035, the following changes will be made: 1) Change the Rural Residential density standard from 0.4 to 1.0 dwelling units per acre to 0.1 to 1.0 dwelling units per acre; 2) Add a policy in the Land Use Element requiring land division projects in the Rural Residential and Single-Family Residential designations that are located within Compatibility Zones C and D to be submitted to the Airport Land Use Commission for consistency review; 3) Add a policy that commercial development and places of assembly within Compatibility Zones B1, C, and D be submitted to the Riverside County Airport Land Use Commission for consistency review, and 4) Add a policy that development shall accommodate open areas as determined by their respective Compatibility Zone. Compliance with these items makes the General Plan 2035 consistent with the French Valley Airport Land Use Compatibility Plan, and will modify the conclusion of a significant unavoidable impact in the Draft EIR to a less than significant impact in the Final EIR.

J9. Refer to Response J7.

J10. Refer to Response J8. In addition, the conclusion regarding Airport Hazards impacts in Draft EIR Section 5.14 is less than significant with compliance with General Plan 2035 Goal LU-25, policies LU-25.8 and LU-25.9, and Mitigation Measure HHM-4. The conclusion is appropriate and no additional mitigation measures are needed.

J11. The comment states that the Draft EIR fails to provide information of the noise levels produced by the construction equipment or the transport of workers and equipment to the construction sites. As noted above, the Draft EIR provides a programmatic analysis of the proposed land use changes and anticipated growth within the City. The construction noise analysis does not review a specific development project. Construction noise may vary widely depending on the type of construction activity, the duration of activity, and specific equipment used.

The City recognizes that construction-related noise could result in localized noise impacts. However, Goal N-4 and the associated policies are provided in the General Plan 2035 and Draft EIR to reduce noise levels from construction activities to an acceptable level. These goals and policies would regulate construction activities, limit the hours, employ construction noise reduction methods, and review activities on a case by case basis to manage these impacts. With the implementation of these policies, the City has determined that construction noise would be managed to a reasonable level. Future development projects would require individual CEQA review where specific construction impacts would be determined and necessary mitigation would be identified.

J12. The Draft EIR acknowledges that with implementation of the General Plan 2035, some residential uses would experience noise levels that would exceed the allowable Land Use Compatibility Criteria. However, Goal N-3 and the associated policies would minimize noise from mobile sources. The associated policies consider noise mitigation measures in the design of and improvements to streets, highways, and freeways as well as working with Caltrans to achieve maximum noise abatement for highway and freeway projects. Compliance with the General Plan 2035 goals and policies would reduce traffic noise exposure at sensitive land uses. Implementation of the goals and polices would be realized through the review of individual development projects by the City for project-specific impacts during any required environmental review. If project-specific significant impacts are identified, specific mitigation measures would be placed on the project as conditions of approval to ensure compliance with the appropriate Land Use Criteria Compatibility Criteria.

J13. *CEQA Guidelines* Section 15155 requires the preparation of a water supply assessment for any "water demand project" defined in this section, as well as in C*alifornia Water Code* Section 10912. The definition of a "water demand project" relates specifically to development projects or development land use plans, as opposed to programmatic plans, such as a General Plan. Therefore, the preparation of a General Plan does not fit within the statutorily defined "water demand project."

As noted in the Office of Planning and Research's *General Plan Guidelines 2003*, cities are required to coordinate with water providers. Prior to action by a legislative body to adopt or substantially amend a general plan, the planning agency must send a copy of the proposed plan or amendment to any public water system, as defined in *Health and Safety Code* Section 4010.1, with 3,000 or more service connections and that serves water to customers within the area covered by the proposal. The public water system has at least 45 days to comment on the proposed plan in accordance with *Health and Safety Code* Section 4010.1(b) and to provide the planning agency with the information set forth in *Government Code* Section 65958.1. Additionally, upon adoption or amendment of the general plan, the same referral must be made (*Government Code* Section 65357(a)). Furthermore, *Government Code* Section 65352.5 directs the water supplier to provide a copy of its most recent Urban Water Management Plan and other water supply information to the city or county upon receiving the aforementioned notice.

The City of Murrieta has complied with *Health and Safety Code* Section 4010.1 and sent the Draft General Plan 2035 and Draft EIR to the following four agencies: 1) Eastern Municipal Water District; 2) Elsinore Valley Water District, 3) Rancho California Water District, and 4) Western Municipal Water District. Urban Water Management Plans (UWMP) are required to be updated every five years. The revised growth projections for the General Plan 2035 will be forwarded to the applicable water districts to use in their 2010 UWMP update.

The 2005 Urban Water Management Plans for the four districts were the most recently adopted UWMPs, and thus served as the basis for Draft EIR Section 5.15, Water Supply. The 2005 Urban Water Management Plans provide a long-range (25-year) assessment; the horizon year is 2030. Clarifying text will be added to the Final EIR to document near-term and long-term water supplies for the four water districts, which will be detailed below. The 2005 UWMPs prepared for all four water districts (Rancho California Water District, Elsinore Valley Municipal Water District, Western Municipal Water District, and Eastern Municipal Water District) indicate there are sufficient water supplies based on normal, dry and multiple dry years and water shortage contingency plans to meet existing and future regional water needs through 2030.

The following text changes will be made to Section 5.15.2, Water Supply, in the Final EIR.

Rancho California Water District. The following paragraphs will be added following the last paragraph on page 5.15-14 of the Draft EIR under the subheading of Rancho California Water District. The text will be included in Section 5.15.2, Environmental Setting.

Near-Term and Long-Term Water Supply[1]

The implementation of RCWD's Regional Integrated Resources Plan (IRP), would allow the District to meet demands over the next 45 years in a sustainable and cost-effective manner. It would also reduce the dependency on treated imported water from MWD, and help hedge against droughts and other emergencies by maximizing local groundwater.

The IRP has determined that its local supply of groundwater and recycled water is 100 percent reliable for the period extending to 2030. To minimize fluctuations in groundwater production, the IRP recommends increasing groundwater recharge with additional purchases of imported water. This increase would permit increased withdrawals of groundwater while minimizing the chance of overdraft conditions and allow for storage of excess water for use in years when natural recharge is diminished as a result of hydrologic conditions. Recycled water supplies may insignificantly fluctuate during varying hydrologic conditions as conservation increases, but these slight fluctuations would not reduce the reliability of the recycled water supply. Normal year supplies vary and would continue to increase in the future as the population base in the service area increases requiring additional groundwater withdrawals and recycled water.

[1] *2005 Update of the Urban Water Management Plan, Rancho California Water District, CDM, December 2005 (refer to EIR Appendix N1: 2005 Urban Water Management Plan).*

The IRP is designed to minimize any inconsistencies in its local supply sources and provide multiple flexible sources of water. Inconsistencies that could impact groundwater production include legal, environmental, water quality, and climatic conditions. Legal issues include use of groundwater basin by other producers, rights to store water at Vail Lake for recharge outside of the current period between November 1 and April 30. Environmental issues include disposal of brine associated with construction of a microfiltration/reverse osmosis (MF/RO) recycled water facility. Water quality issues revolve around contamination of groundwater basins, potential changes to water quality standards, and the use of MF/RO water for agricultural use.

RCWD's imported water supply is purchased through EMWD and WMWD, but is obtained directly from MWD's facilities. The agency demand projections for these two wholesalers are combined to arrive at one demand on MWD. Table 8-5 of the *2005 Update of the Urban Water Management Plan, Rancho California Water District* (refer to *Appendix N1*, *2005 Urban Water Management Plan)*, illustrates MWD's existing and planned sources of water for the period 2010-2030. In summary, through 2030, the total MWD current and planned source of water is 3,459,500 AFY.

MWD has determined in the Rancho California Water District UWMP (RCWD UWMP) that its resource mix is 100 percent reliable for non-discounted non-interruptible demands using previous dry periods for the forecast period 2005-2030. Even though MWD can reliably meet RCWD's demands, the capacity constraint issue associated with the turnouts would potentially cause future peak day water shortages after 2025. Implementation of RCWD's IRP would eliminate the capacity constraints and resolve any peak day water shortages.

Overall, during single-dry and multiple-dry years RCWD's combined local and imported resource mix is 100 percent reliable for non-agricultural customers with implementation of RCWD's IRP. The IRP delineated supply sources are flexible and designed to supplement each other if one source is reduced.

Elsinore Valley Municipal Water District. The following paragraphs will be added following the last paragraph on page 5.15-15 of the Draft EIR under the subheading of Elsinore Valley Municipal Water District. The text will be included in Section 5.15.2, Environmental Setting.

Near-Term and Long-Term Water Supply[2]

The projected normal water year supply includes local groundwater and surface water as well as imported MWDSC water sources. *Table 5.15-3* above summarizes the projected normal water year supply until 2030. According to the *Urban Water*

[2] *Urban Water Management Plan Final Report, Elsinore Valley Municipal Water District, MWH, December 2005 (refer to EIR Appendix M1: 2005 Urban Water Management Plan).*

Management Plan, Elsinore Valley Municipal District (refer to *Appendix M1*, *2005 Urban Water Management Plan)*, current and anticipated future supplies are sufficient to meet the projected normal year water demand through 2030.

EVMWD has predicted that sufficient supply also exists to meet the current and anticipated future demands for both single dry year and multiple dry year requirements through 2030. Dry years may prompt additional water conservation measures to ensure sufficient supply is maintained. After 2020, additional water from the MWDSC, not including the supply already planned for through the Auld Valley Pipeline (AVP) and Temescal Valley Pipeline (TVP), would be imported to supply increasing maximum day demand (MDD).

Western Municipal Water District. The following paragraphs will be added following *Table 5.15.-4* of the Draft EIR under the subheading of Western Municipal Water District. The text will be included in Section 5.15.2, Environmental Setting.

Near-Term and Long-Term Water Supply[3]

The projected normal water year supply includes both potable water from the SWP for various uses and the untreated non-potable water from the CRA for agricultural and landscape irrigation. Wholesale water sales also comprise a portion of the supply Western receives from MWD. As mentioned above and according to the *Urban Water Management Plan, Western Municipal District* (refer to *Appendix O1*, *2005 Urban Water Management Plan)*, MWD has projected that sufficient supplies exist to meet the demands for their agencies through 2030

Also mentioned above, MWD has predicted that sufficient supply also exists to meet demands for both single dry year and multiple dry requirements through 2030. As required, droughts may prompt additional water conservation measures to ensure sufficient supply is maintained. However, normal demands are used to provide conservative estimations of demand. MWD has projected that sufficient supplies exist to meet demands during dry years for their agencies. Therefore, supplies would equal demands since MWD would deliver the needed quantities of water while placing supplies not required on a yearly basis into storage for use in emergency conditions or droughts. The Riverside/Corona Feeder project would provide infrastructure to allow WMWD to purchase SWP water from MWD, store it in the San Bernardino Basin Area, and extract as needed.

Eastern Municipal Water District. The following paragraphs will be added following *Table 5.15.-5* of the Draft EIR under the subheading of Eastern Municipal Water District. The text will be included in Section 5.15.2, Environmental Setting.

[3] *Urban Water Management Plan, Western Municipal Water District, 2005 (refer to EIR Appendix O1: 2005 Urban Water Management Plan).*

Near-Term and Long-Term Water Supply[4]

According to the *Urban Water Management Plan, Eastern Municipal District* (refer to *Appendix L1*: *2005 Urban Water Management Plan*), EMWD has the supply needed to meet the demand of its customers through 2030. The conclusion is based on the assurances of MWD that it would be able to supply member agency demands, the reliability of local groundwater supplies achieved through groundwater management plans and the development of recycled water resources.

In addition to meeting the demand for a normal dry year, the law requires that water suppliers meet the need of its customers during a single dry year. For EMWD, meeting the minimal increase in demand due to a dry winter is accomplished through increasing the imports from MWD and utilizing groundwater production. MWD assures its member agencies that their needs would be met even during dry years. The groundwater management plans assure that water recharged into the basins in wet years would be available in dry years.

During multiple dry years, resource planning by EMWD and MWD insures that consumer demands for water would be met. Since local resources are stable during a multiple dry year event and MWD resources are affected by weather fluctuations, the 1990-1992 hydrology conditions were considered. These were the dry years considered by MWD in planning for the worst case multiple dry year scenarios. With the assurance of MWD and the reliability of EMWD's groundwater and recycled water, EMWD is confident of its ability to meet demand through 2030.

The growth associated with the proposed General Plan 2035 was compared against the most recently adopted UMWPs (2005), and the Draft EIR concluded that Murrieta would use only 2.36 percent of the 2030 water supply from the four water districts. The 2005 UWMPs prepared for RCWD, EVMWD, WMWD, and EMWD indicate there are sufficient water supplies based on normal, dry and multiple dry years and water shortage contingency plans to meet existing and future regional water needs, including the proposed General Plan 2035, through 2030.

The following text changes will be added to page 5.15-9 of the Draft EIR, preceding *Table 5.15-6*, in the Final EIR. The text will be included in Section 5.15.4, Project Impacts and Mitigation Measures.

[4] *Urban Water Management Plan, Eastern Municipal Water District, 2005 (refer to Appendix L1: 2005 Urban Water Management Plan).*

Water Supply

Implementation of the proposed General Plan 2035 would result in additional development, resulting in an increase in the City's population and businesses, and thus, an overall increase in total water demand.

~~As stated, t~~The City relies on water connection services provided by four water districts: RCWD, EVMWD, WMWD, and EMWD. The UWMPs for all four water districts provide a long-range (25-year) assessment of water supply for each service area, which includes the City of Murrieta. An UWMP serves as a source document for cities and counties as they prepare their General Plans. Each water district has its own 2030 service area population projection derived from housing projections, SCAG projections, and persons per household data. The studies assess water supply to forecast year 2030 taking into consideration groundwater, imported, recycled and surface water supplies, as well as wastewater. In addition to water supply, the UWMPs address efficient use of water, demand management measures, implementation strategies and schedules, and other relevant information and programs.

The 2005 UWMPs prepared for RCWD, EVMWD, WMWD, and EMWD indicate there are sufficient water supplies based on normal, dry and multiple dry years and water shortage contingency plans to meet existing and future regional water needs through 2030. According to the UWMPs for each water district, the total planned water supply through 2030 for the RCWD, EVMWD, WMWD, and EMWD is ~~140,400~~ 98,931 AF/Y, 77,919 AF/Y, 241,649 AF/Y, and 245,200 AF/Y, respectively for a combined water supply of ~~705,158~~ 663,699 AF/Y; refer to *Table 5.15-2*, *Table 5.15-3*, *Table 5.15-4*, and *Table 5.15-5*. The City currently consumes approximately 39,179AF/Y[5] of water resources to meet all constituent existing demands; refer to *Table 5.15-1*. It is anticipated that water demand ~~would gradually increase~~ associated with implementation of the proposed General Plan 2035 would increase by approximately 13,946.036 gpd or 15,632 AF/Y[6] in the year 2035; refer to *Table 5.15-6*, *Forecast Year 2035 Water Demand*. The proposed General Plan 2035 growth would require only ~~0.02222~~ 2.36 percent of the 2030 ~~anticipated~~ water supply from these four water districts. *Table 5.15-6* averaged the RCWD Water Supply Generation Factor with the EVMWD Water Supply Generation Factor to calculate the entire City's existing water demand as these were the only available Water District Generation Factors. WMWD and EMWD were contacted but no Water District Generation Factors were made available. The WMWD and EMWD UWMPs were reviewed but didn't include Water District Generation Factors.

[5] Rancho and Elsinore Water District generation factors (averaged the generation factors to calculate the entire City's existing water demand).

[6] Rancho and Elsinore Water District generation factors (averaged the generation factors to calculate the entire City's forecast year 2035 water demand).

The following text changes will be added to page 5.15-9 of the Draft EIR, following *Table 5.15-6*, in the Final EIR. The text will be included in Section 5.15.4, Project Impacts and Mitigation Measures.

> The 2005 UWMPs have a 25-year planning horizon to 2030, which includes the 2030 growth projections for the existing Murrieta General Plan (1994, amended 2006). The existing General Plan projects a total of 40,845 dwelling units and 49,073,504 square feet of non-residential uses. These uses generate a water demand of 54,355.52 AF/Y, which represents 8.19 percent of the total anticipated supply of the four water districts in 2030. As a point of comparison, the proposed General Plan 2035 includes 44,484 dwelling units and 50,189,652 square feet of non-residential uses. These uses generate a water demand of 59,009.68 AF/Y, which represents 8.89 percent of the total anticipated supply of the four water districts in 2030. The incremental increase of the proposed General Plan 2035 represents a 0.70 percent increase over what is currently accounted in the 2005 UWMPs.
>
> Based upon the 2005 UWMPs, the four water districts would have adequate water supplies based on normal, dry and multiple dry years and water shortage contingency plans to meet the future regional water needs, including the growth anticipated with the proposed General Plan 2035, through 2030. It is too speculative to determine 2035 water supplies at this time.[7] The water suppliers are planning to meet increased demand and reduce dependence on imported water. Their plans include water storage and groundwater recharge, treatment of wastewater to supply recycled water, and treatment of other non-potable water sources to increase potable water supply. RCWD plans to create additional wells and construct a facility to reduce the salinity of recycled water for agricultural use. EVMWD plans to increase its supplies of imported water and construction additional wells. WMWD plans include developing additional storage and pipeline infrastructure, and seeking diversions from the Santa Ana River. EMWD is seeking to increase water supplies through investment in facilities that treat wastewater, groundwater, and raw water from the State Water Project.

It is also worth noting that the Rancho California Water District provided a comment letter on the Draft EIR and raised no issues related to the impact conclusions.

Refer to Response J2 regarding the purpose and future use of Program EIRs. It is appropriate the individual water demands of future development would be studied to determine their consistency with the findings in the General Plan 2035 EIR.

[7] This EIR is based upon the 2005 UWMPs, which were the most recently adopted UWMPs at the time the EIR was prepared. As of February 2011, the four water districts began the process of updating their 2005 UWMPs to 2010. The 2010 UWMPS will have a horizon year of 2035, but were not completed prior to release of the Draft EIR. The City of Murrieta will provide all four water districts with the Draft General Plan 2035 growth projections for inclusion in the 2010 UWMPs, as required by the California Government and Water Codes.

J14. The Draft EIR has identified significant unavoidable traffic impacts for 16 intersections and to roadway segments shown on *Exhibit 5.4-14*, *General Plan 2035 Daily Volume-to-Capacity Ratios*.

The Commentator offers opinion that "The City cannot make the policy decision that the purported benefits of the project outweigh these significant new traffic impacts." As part of the consideration of the Final EIR, the City Council will review and chose whether to adopt or not a Statement of Facts and Findings and a Statement of Overriding Considerations. The requirements for the Statement of Overriding Considerations are articulated in the following paragraph.

After considering the Final EIR in conjunction with making findings, the Lead Agency (City of Murrieta) must not approve the project if the project will have a significant effect on the environment after imposition of feasible mitigation measures, unless (emphasis added) the Lead Agency finds that the benefits of a proposed project outweigh the unavoidable adverse environmental effects (*CEQA Guidelines* Sections 15092 and 15096(h)). However, when approving a project with unavoidable significant environmental effects, the Lead Agency is required by CEQA to prepare a Statement of Overriding Considerations. The Statement of Overriding Considerations is a written statement explaining why the agency is willing to accept the significant effects (*Public Resource Code* Section 21081, *CEQA Guidelines* Section 15093), and requires the Lead Agency to balance the benefits of a proposed project against the unavoidable environmental risks in determining whether to approve a project. The Statement of Overriding Considerations sets forth the specific overriding social, economic, legal, technical, or other beneficial project aspects supporting the Lead Agency's decision.

The Draft EIR identified no mitigation measures for traffic. With respect to the enforceability of air quality mitigation measures, refer to Response J3.

J15. *CEQA Guidelines* Section 15064.4 requires future projects to comply with the policies of the Climate Action Plan (CAP) to reduce greenhouse gas (GHG) emissions. As a result, future projects would be required to reduce GHG emissions in order to achieve the City's reduction goal and comply with the CAP. Mitigation would be required for future projects that are not compliant with GHG reduction strategies identified in the CAP.

J16. Clarification text will be added to Draft EIR Section 3.2 following the last page paragraph on page 3-1, as shown below.

Economic Development Foundation for General Plan Update

Prior to commencing the comprehensive update to the City's General Plan, the City Council undertook a number of steps that lead to Council's determination that economic development is the City's number one priority and how that priority would serve as the foundation for the General Plan Update.

February 2008

The City Council authorized a sub-committee of the Council, comprised of two Council members, to evaluate a land use strategy benefiting the City's economic future. The Land Use Sub-Committee's directive was to meet with staff (City Manager, Planning Director, and Economic Development Director) to discuss the City's long-term economic opportunities, to determine if land uses and development standards should be amended to meet the City's economic objectives for the generation of revenue and the promotion of jobs.

October 2008

The City Council put in place Murrieta's first Comprehensive Economic Development Strategy (refer to Appendix U), which established economic development as the City Council's number one priority. The strategy is intended to diversify the City's economic base through three key purposes: 1) to serve as a roadmap for public and private actions to stimulate economic development, 2) encourage growth and diversification of the local economy, and 3) to promote the creation of higher pay jobs, income, and wealth in the community. The Strategy articulates a 20-year vision that includes both short-term and long-term actions, along with the following vision statements:

- Murrieta to become diversified retail, corporate, and business hub for the region, offering high quality development, safe environment, and outstanding quality of life.

- Murrieta will become home to technologically advanced firms, higher educational facilities, wide variety of national and upscale retail, sit-down restaurants, quality hotels and new specialty auto dealerships, and a revitalized Historic Downtown.

December 2008

A City Council workshop was conducted presenting the recommendations of the Land Use Sub-Committee and directed staff to return to the City Council with a work program and budget. The Land Use Sub-Committee determined that as land for office and research and development opportunities becomes saturated in the greater San Diego area, the City of Murrieta will provide the land for the next wave of development expansion. One intent of the general plan update is to place Murrieta in a positive position, so that when economic conditions improve, the City will be prepared to embrace that development expansion. The Land Use Sub-Committee was very sensitive to the desire to have a comprehensive update to the City's General Plan in place for the 2010/11 market. The City's first General Plan was adopted in 1994 and presented a low-intensity suburban vision that is not necessarily consistent with the economic strategy currently contemplated.

The Sub-Committee recommended the primary focus of land use considerations in the General Plan Update be those areas that have the greatest potential to accept the next

wave of economic expansion, including 1) Antelope Corridor (primarily east side of I-215 to Meadowlark Lane, and from Scott Road to Clinton Keith Road); 2) South Murrieta Business Corridor (generally from I-15 east to Jefferson Avenue and from Murrieta Hot Springs to the southerly City limits); 3) Murrieta Hot Springs North (generally between I-15 and I-215, between Murrieta Hot Springs and Los Alamos Roads).

April 2009

Staff gave a presentation to the City Council regarding the potential work program for comprehensive update to the General Plan, Zoning, and Development Code. The presentation identified three key questions related to Murrieta's Long-Term Vision: 1) Is it good for the City?, 2) Does it produce jobs?, and 3) Does it generate revenue?

June 2009

The City issued a Request for Proposal (RFP) for the Comprehensive General Plan Update, Redevelopment Area Land Use Analysis and Environmental Impact Report to prospective consultants. Section II of the RFP reiterates the City's focus on economic development for the general plan update.

The Murrieta City Council has designated Economic Development as its Number One Priority. The City has recently established its first Comprehensive Economic Development Strategy, which spells out the City's 20 year vision for Murrieta as a diversified business hub for Southwest Riverside County and neighboring North San Diego County. The Strategy seeks to encourage private sector investment in the creation of higher paying jobs, income, and wealth in Murrieta through economic diversification. Murrieta is seeking a full range of quality new development, including retail centers, which are anchored by department stores, national and lifestyle retailers, corporate/technology parks, hotels, and upscale restaurants. Murrieta is promoting itself, on a long term basis, as the home of technogically-advanced firms and higher educational facilities, including healthcare, medical facilities and services, software companies, engineering companies, medical device companies, biotechnology firms, defense contractors, research and development operations, green-tech, and light manufacturing. During the current economic downtown, the City is focused on creating the foundation for its future economic prosperity through public investments in its infrastructure and by adopting General Plan policies and Development Code regulations which promote the development of shovel ready sites.

In conclusion, the City Council established a Comprehensive Economic Development Strategy in October 2008, making economic development of Murrieta the number one priority for the City. The Strategy served as one of the key factors to initiate the comprehensive General Plan Update.

Clarification text will be added under the heading Determination of Alternatives To Be Reviewed" on Draft EIR page 6-6 in the Final EIR to further detail the City Council's number one priority of Economic Development, and how that priority influenced the selection of land use scenarios for the General Plan 2035.

Determination of Alternatives to Be Analyzed

Key factors used to determine the range of feasible alternatives to the proposed General Plan 2035 include the objectives established for the EIR process, the City Council's number one priority of Economic Development, and ~~along with~~ the community values and vision for the General Plan 2035.

The basic objectives of the proposed General Plan 2035 and General Plan EIR are set forth specifically and in detail in Section 3.3, Statement of Objectives. Section 3.2, Background, provides the framework for the economic development foundation for the General Plan 2035, and is summarized in the following sentences. The City Council established a Comprehensive Economic Development Strategy in October 2008, making economic development of Murrieta the number one priority for the City. The Strategy served as one of the key factors to initiate a comprehensive General Plan Update. The update process involved a number of steps, including but not limited to, visioning and community involvement that led to the establishment of ten community priorities; a complete revision to all the elements, and the addition of new elements. The community priorities are reflected throughout the General Plan 2035, and have been previously stated in this Section. The land use alternatives for the General Plan Update were developed based upon the City Council's number one priority along with the City's goal to revitalize and make Murrieta a regional hub of economic activity. Both of these served as key driving factors for the update and ultimately to the City Council and Planning Commission selection of a Recommend Land Use Scenario and two additional alternatives (Scenario A and Scenario B). The land use changes identified in the Land Use Element that make way for this revitalization and economic activity are the cornerstones of General Plan 2035.

~~Community priorities have been previously stated in this section.~~ With these factors in mind, the following alternatives have been identified for detailed analysis in this section:

- No Project/Existing General Plan
- Scenario A
- Scenario B

The Recommended Land Use Scenario and Scenarios A and B were fully vetted by the City Council, Planning Commission, and community through land use meetings held in March through July 2010. A community workshop was held on March 27, 2010. In addition, land use meetings within the five areas designated for land use change were held in 2010, as listed below:

- North Murrieta Business Corridor – March 23 and June 2
- Clinton Keith/Mitchell – March 25 and June 8
- Multiple Use (MU-3) Area – April 22 and June 7
- Golden Triangle North – May 3 and June 10
- South Murrieta Business Corridor – March 29

The land use meetings were held to solicit input on the vision and land use alternatives for each focus area. These meetings were open to not only property owners and businesses within the focus area, but also open to all residents and property owners in the City.

In addition, two joint City Council and Planning Commission workshops were held on June 23, 2010 and July 6, 2010 to review land use alternatives for the five focus areas with land use change and to have the City Council and Planning Commission to select a recommended land scenario for each of the five areas. The joint City Council and Planning Commission workshops were publicly noticed and open to all residents and property owners.

Section 6.0, Alternatives, of the Draft EIR analyzed three alternatives to the proposed project in compliance with *CEQA* and the *CEQA Guidelines*: No Project/Existing General Plan Alternative, Scenario A Alternative, and Scenario B Alternative. Scenario A and Scenario B represent alternative land use scenarios developed during the Land Use Alternatives part of the update process. Thus, these are reasonable and feasible alternatives to the proposed project and are reflective of the City Council's number one priority of Economic Development and the City's goal to revitalize and make Murrieta a regional hub of economic activity. Both of these served as key driving factors for the update and ultimately to the City Council and Planning Commission selection of a Recommend Land Use Scenario and two additional alternatives (Scenario A and Scenario B).

The Draft EIR does identify Scenario A as the environmentally superior alternative to the proposed project and clearly articulates the reasons for the selection as environmentally superior. The Commentator offers his opinion regarding the selection of Scenario A as the environmentally superior alternative; however, the City does not concur with this opinion.

Future development under any alternative scenario reviewed in Section 6.0 (No Project/Existing General Plan Alternative, Scenario A Alternative, and Scenario B Alternative) would occur on vacant or underutilized land, both within the identified Focus Areas and throughout the City. It is this potential growth over existing conditions that results in the exceedance of the significance threshold criteria and the identification of significant unavoidable impacts for traffic, air quality, noise, and parks and recreation. As shown in Section 6.0, the traffic, air quality, and noise impacts are generally similar for the three alternatives reviewed as compared to the proposed project for this reason.

The Commentator opines that an alternative that reduces the commercial or other similar uses contemplated in the Focus Areas would lessen the significant traffic, air quality, and noise impacts of the project. The existing General Plan does just that and reflects different residential and non-residential land use alternative (less buildout potential) when compared to the proposed project, Scenario A Alternative, and Scenario B Alternative, particularly for the identified Focus Areas. However as the analysis in Section 6.0 shows, significant unavoidable traffic, air quality, and noise impacts would occur even if the existing General Plan remains in place and development proceeds according to that plan. It is the amount of vacant and underutilized land throughout the City and the potential future growth under the existing General Plan or any other land use alternative scenario that would generate the significant unavoidable impacts for traffic, air quality, and noise. Therefore, an alternative with reduced commercial and/or other similar uses would not eliminate significant unavoidable traffic, air quality, or noise impacts, and as such a review of the suggested alternative will not be added to the Final EIR.

STATE OF CALIFORNIA

GOVERNOR'S OFFICE *of* PLANNING AND RESEARCH

STATE CLEARINGHOUSE AND PLANNING UNIT

JERRY BROWN
GOVERNOR

March 25, 2011

Greg Smith
City of Murrieta
24601 Jefferson Ave
Murrieta, CA 90622

Subject: Murrieta General Plan Update
SCH#: 2010111084

Dear Greg Smith:

The State Clearinghouse submitted the above named Draft EIR to selected state agencies for review. On the enclosed Document Details Report please note that the Clearinghouse has listed the state agencies that reviewed your document. The review period closed on March 24, 2011, and the comments from the responding agency (ies) is (are) enclosed. If this comment package is not in order, please notify the State Clearinghouse immediately. Please refer to the project's ten-digit State Clearinghouse number in future correspondence so that we may respond promptly.

Please note that Section 21104(c) of the California Public Resources Code states that:

> "A responsible or other public agency shall only make substantive comments regarding those activities involved in a project which are within an area of expertise of the agency or which are required to be carried out or approved by the agency. Those comments shall be supported by specific documentation."

K-1

These comments are forwarded for use in preparing your final environmental document. Should you need more information or clarification of the enclosed comments, we recommend that you contact the commenting agency directly.

This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act. Please contact the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process.

Sincerely,

Scott Morgan
Director, State Clearinghouse

Enclosures
cc: Resources Agency

CITY OF MURRIETA
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1400 10th Street P.O. Box 3044 Sacramento, California 95812-3044
(916) 445-0613 FAX (916) 323-3018 www.opr.ca.gov

Document Details Report
State Clearinghouse Data Base

SCH# 2010111084
Project Title Murrieta General Plan Update
Lead Agency Murrieta, City of

Type EIR Draft EIR

Description Comprehensive General Plan Update. Anticipated growth over existing conditions: +10,734 dwelling units and +36,210,757 square feet of non-residential uses (Commercial, Professional and Office/Office and Research Park, Business Park, Industrial, and Civic/Institutional). Land use changes are anticipated in five Focus Areas: North Murrieta Business Corridor, Clinton Keith/Mitchell, Golden Triangle North (Central Murrieta), South Murrieta Business Corridor, and Multiple Use 3 (MU-3).

Lead Agency Contact

Name Greg Smith
Agency City of Murrieta
Phone 951-461-6414 **Fax**
email
Address 24601 Jefferson Ave
City Murrieta **State** CA **Zip** 90622

Project Location

County Riverside
City Murrieta
Region
Lat / Long
Cross Streets
Parcel No.
Township **Range** **Section** **Base**

Proximity to:

Highways Hwy 15, 215, 79
Airports Yes
Railways
Waterways Yes
Schools Yes
Land Use Multiple General Plan and Zoning Designations

Project Issues Aesthetic/Visual; Agricultural Land; Air Quality; Archaeologic-Historic; Biological Resources; Drainage/Absorption; Economics/Jobs; Forest Land/Fire Hazard; Geologic/Seismic; Minerals; Noise; Population/Housing Balance; Public Services; Recreation/Parks; Schools/Universities; Septic System; Sewer Capacity; Soil Erosion/Compaction/Grading; Solid Waste; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Wetland/Riparian; Growth Inducing; Landuse; Cumulative Effects

Reviewing Agencies Resources Agency; Department of Conservation; Department of Fish and Game, Region 6; Office of Historic Preservation; Department of Parks and Recreation; Department of Water Resources; Office of Emergency Management Agency, California; Caltrans, Division of Aeronautics; California Highway Patrol; Caltrans, District 8; Department of Housing and Community Development; Regional Water Quality Control Board, Region 9; Department of Toxic Substances Control; Native American Heritage Commission

Date Received 02/08/2011 **Start of Review** 02/08/2011 **End of Review** 03/24/2011

Note: Blanks in data fields result from insufficient information provided by lead agency.

K. RESPONSES TO COMMENTS FROM SCOTT MORGAN, DIRECTOR, STATE OF CALIFORNIA, GOVERNOR'S OFFICE OF PLANNING AND RESEARCH, STATE CLEARINGHOUSE AND PLANNING UNIT, DATED MARCH 25, 2011.

K1. The comment acknowledges the closing of the public review period on March 24, 2011 and forwards comments received by the State Clearinghouse during that time. The comment notes that the City has complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act. This comment is acknowledged, and no revisions to the Draft EIR are necessary.

One State agency provided comments to the State Clearinghouse on the Draft EIR: Native American Heritage Commission. Refer to Comment Letter C and associated responses.

COMMENT LETTER L

MaryAnn Shushan Miller

35510 Los Alamos Rd. * Murrieta, CA 92563 * (951) 505-7428 * maryannshushan@yahoo.com

==========

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City of Murrieta
Greg Smith, Associate Planner

March 8, 2011

The Citizens for Quality Life in Murrieta- CQLM, is a grassroots, local community group. L-1

We support CQLM in their efforts as an advocate for General Plan Goals and Policies for the Los Alamos Hills Specific Plan to be included in this General Plan. Time is of the essence. L-2

The staff and one councilman have agreed that the Los Alamos Hills shall have their Specific Plan. The General Plan, as written says otherwise. L-3

The Goals and policies submitted by CQLM have been diluted and or omitted. The General Plan in its Environmental Impact Report (EIR) has policies in direct conflict with the Los Alamos Hills Specific Plan goals.

1) The city has not accepted and included in this Murrieta General Plan the boundary for the Los Alamos Hills Specific Plan area. Without this boundary, all of the EIR elements cannot be adequately studied and reviewed to allow tiering from this General Plan EIR when and if the Los Alamos Hills Specific Plan is adopted. Why is this important, the cost. If the EIR has not adequately addressed the impacts for the Los Alamos Hills Community, within these boundaries, then a new EIR will be required at hundreds of thousands of dollars. A significant impact and deterrent. L-4
2) The Los Alamos Hills residents understand that to be a viable and sustainable Specific Area a mixed use zoning overlay must be included in most of the properties east of Warm Springs Creek designated for development. This zoning will allow some residential and some commercial development which will generate the revenue stream necessary to install and maintain, water, and sewer lines from the Sports Park to Winchester Road. This infrastructure improvement is crucial for public safety and for sustainability. Our ground water supply is being diminished by the normal ground water replacement being diverted as we are surrounded by high density development and EMWD digs new wells to meet this demand L-5

3) The City signed a resolution 9/2004 agreeing to implement MSHCP (Multi-species Habitat Conservation Plan). This plan alludes to protecting endangered habitat, the reality is this plan is an experiment to "take" privately owned properties and introduce species into the area. We are all familiar with the Calvary Law suit with pre-condemnation and inverse condemnation issues. The plan is attempting to connect a "corridor" for these species to traverse through Murrieta and connect to other of the 15 member cities. The burden for the cost of this plan is being paid, in total, by the financial ruin of Los Alamos Hills's residents and the systematic destruction of this beautiful, historical, rural area. Los Alamos Hills could be a treasure for many families to enjoy. L-6

4) Councilman Long is working on including goals and policies, in this General Plan to protect private property rights, and the city from inverse condemnation law suits. The proposed policies when implemented will provide relief for all city property owners under the blanket of MSHCP defacto zoning overlay. In the Hans process (Habitat Assessment and Negotiation process) willing sellers of portions of their land throughout the city would be able to file a joint HANS application aimed at connecting the "corridor" at the "low range" of the habitat range requirement for the city at 1,580 acres. The private property owners would be allowed to use the balance of their property and develop as allowed in their- zoning. L-7

Citizens for Quality Life in Murrieta- CQLM is requesting and I support:

- Establish the Los Alamos Hills Specific Plan Boundary in this General Plan before adoption as submitted 12/29/2010 with the General Plan Goals and Policies for the Los Alamos Hills Specific Plan.
- We request the Planning commissioners to submit a proposal/demand to the City Council , that the Los Alamos Hills Specific Plan area boundary be designated as submitted by CQLM on behalf of the residents. This boundary would include the business park area and Regents Center proposed development, east of Warm Springs Creek in Los Alamos Hills Specific Plan area as a "mixed use" zoning. L-8
- Establish a Capital Account to hold infrastructure funding collected, to replace funds previously collected from Los Alamos Hills residents and used elsewhere in the city, and collect future development impact fees from within the Los Alamos Hills Specific Plan area to help fund future infrastructure , roads, water, and sewer, so vital for the neglected core of Los Alamos area.
- The Los Alamos Hills residents by a 2/3 vote will adopt a self- assessment utilizing the 1913 act or similar funding mechanism for partially built, existing communities.
- All EIR conflicting policies should be removed or revised to allow the proposed development in Los Alamos Hills.
  See LU-1.6 "..future development that reduce infrastructure need.."
  and LU-1.7 "Insure necessary capital improvements in place PRIOR to new development or completed concurrently". L-9

Thank you for your help. We appreciate all you do.

Mary C Shuckson Miller

L. RESPONSES TO COMMENTS FROM MARYANN SHUSHAN MILLER, DATED MARCH 8, 2011.

L1. The Commentator states her support for Citizens for Quality Life in Murrieta (CQLM) and their efforts related to the Los Alamos Hills Specific Plan and inclusion of the specific plan into the General Plan.

L2. The Commentator makes a statement that City Staff and one councilman have agreed that the Los Alamos Hills shall have a Specific Plan, and that the General Plan as written says otherwise.

The General Plan 2035 is supportive of a Specific Plan for the Los Alamos Hills, and has identified the Los Alamos Hills as a focus area for policy change (no land use changes), and includes five goals (Land Use Element Goal LU-19 through LU-23) specific to this area, which are restated below:

GOAL LU-19 Preparation of a Specific Plan for the Los Alamos Hills area.

GOAL LU-20 West of Warm Springs Creek, preserve the historic rural character of the Los Alamos Hills area by maintaining its unique environment rural style with low-density development and small rural roads while preserving natural features.

GOAL LU-21 Appropriate land use transitions between rural land uses west of Warm Springs Creek and more intense land uses east of Warm Springs Creek.

GOAL LU-22 Natural and visual resources are valued resources to maintain the rural character of the Los Alamos Hills.

GOAL LU-23 A circulation system that provides adequate access for all property owners in the Los Alamos Hills area.

As shown above, Goal LU-19 calls for the preparation of a Specific Plan for the Los Alamos Hills area.

It is important to note that specific plans are a tool for implementing a general plan by establishing a link between implementing policies of a general plan and the individual development proposals within a defined area. Often times, specific plans establish new or unique zoning and development standards for defined areas.

Specific plans present the land use and design regulations that guide development, and/or incorporate land use and zoning regulations, infrastructure plans, and development approval processes for the development. They are organized into a concise set of

development policies and include land use regulations, a capitol improvement program, or financing program within a single document.

L3. CQLM did submit draft goals and policies to City staff for inclusion in the General Plan 2035. However, some of the goals and policies submitted by CQLM have not been included in the General Plan 2035 due to: 1) recommendation of specific land use changes, 2) conflicts with other goals and policies in the General Plan 2035, 3) duplicative goals and policies with ones in the General Plan 2035, or 4) not appropriate to include due to legal implications for the City.

The Commentator has stated that the Environmental Impact Report (EIR) has policies in conflict with the Los Alamos Hills Specific Plan. That is the opinion of the Commentator. The Draft EIR references and is consistent with the goals and policies in the General Plan 2035.

L4. With respect to the proposed boundary for the Los Alamos Hills Specific Plan, a formal application has not yet been submitted to the City. Thus, the General Plan 2035 does not include a definitive boundary, but instead identifies the area for a future specific plan, as shown on *Exhibit 3-1*, *Specific Plan Areas*. Only those areas with adopted Specific Plans have been shown on *Exhibit 3-1*. Upon adoption of a Specific Plan for Los Alamos Hills, *Exhibit 3-1* would be updated.

The acceptance of a boundary for the Los Alamos Hills Area is one that will be presented to the Planning Commission and City Council for their consideration.

While the Draft General Plan 2035 and Draft EIR assume no land use changes for the Los Alamos Hills area, additional development potential (both residential and non-residential) has been included and modeled for traffic, air quality, and noise. The impacts associated with that development potential have been analyzed in the EIR. Future environmental review for the Los Alamos Hills Specific Plan will be able to utilize and tier off the General Plan 2035 EIR.

L5. The future Los Alamos Hills Specific Plan would detail the type of land uses and zoning requested within the area, along with needed infrastructure to support the land uses. The future Los Alamos Hills Specific Plan would be considered for adoption by the Planning Commission and City Council.

L6. The comment does not raise any issue with respect to the contents of the Draft EIR, or any environmental issue regarding the proposed project. However, this comment is acknowledged and will be forwarded to the decision-makers for their consideration. Because the Commentator does not specifically comment on the Draft EIR or raise any other CEQA issue, no further response is necessary.

L7. The comment does not raise any issue with respect to the contents of the Draft EIR, or any environmental issue regarding the proposed project. However, this comment is acknowledged and will be forwarded to the decision-makers for their consideration. Because the Commentator does not specifically comment on the Draft EIR or raise any other CEQA issue, no further response is necessary.

L8. The comment does not raise any issue with respect to the contents of the Draft EIR, or any environmental issue regarding the proposed project. However, this comment is acknowledged and will be forwarded to the decision-makers for their consideration. Because the Commentator does not specifically comment on the Draft EIR or raise any other CEQA issue, no further response is necessary.

L9. As noted in Response L4, the Draft EIR does not include conflicting policies with those in the General Plan 2035. The two policies cited in the comment, LU-1.6 and LU-1.7, set appropriate policy direction for all development in the City, including future development within the Los Alamos Hills area. These two policies do not conflict with the goals and policies established for the Los Alamos Hills area in the General Plan 2035.

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March 9, 2011

Mr. Greg Smith, Associate Planner
City of Murrieta 1 Town Square
24601 Jefferson Avenue
Murrieta, California 92562

Dear Mr. Smith,

The Citizens for Quality Life in Murrieta (CQLM) has conducted their initial review of the City of Murrieta Draft General Plan and associated Draft Environmental Impact Report (EIR) and identified the main inconsistencies with the goals of the CQLM. We appreciate the time staff has taken to discuss the Los Alamos Hills area and look forward to finalizing our vision within the General Plan and EIR. In our review, we came across several items of concern to CQLM. The critical areas in which we would like to discuss further with staff are the following: M-1

- The general plan does not identify mixed use analysis (60 % commercial and 40% residential) in the EIR for the transition area East of Warm Springs Creek with the 40% residential in the range of 5 to 10 dwelling units per acre. To be consistent with the General Plan the identified 5-10 dwelling units per acre must be analyzed utilizing a 60% commercial to 40% residential ratio over the land areas we have identified as mixed land use. The proposed General Plan has a mixed land use category for application to this area.-Please utilize the FAR for EIR analysis you have used on other mixed use properties located in the city analyzed in the EIR and use the appropriate residential designation used on analysis of other residential areas with the 5-10 DU per acre range-. This land use and analysis is requested for the preferred land use in the General Plan and EIR. In the alternative, our proposed policies and land uses must be used in the required CEQA EIR Alternatives Analysis. M-2

The density projections in the General Plan for the Los Alamos Hills area are not consistet with projections of the future Los Alamos Hills Specific Plan submitted by CQLM in December, 2010. The General Plan identifies a future projection of 828 dwelling units for the Los Alamos Hills area where 1,200 (see calculation below) dwelling units were discussed with staff. There is no boundary to attach to your dwelling unit calculation Please identify the boundary used in your calculation. We believe staff calculated the density for one of the transition area properties within the Los Alamos Hills at 5 dwelling units per acre. This particular property was discussed with city staff for an anticipated 5 to 10 dwelling units. Please use the base density of 10 dwelling units when calculating the anticipated density so that the EIR accurately addresses the maximum case Los Alamos Hills impacts. We have attached a land use and boundary map (Attachment B) showing the M-3

Page 1

Chairman Max Miller
Co-Chairman Mike O'Donnell
Secretary Gayle Vergara
Recording Treasurer Shawn Horwitz
Reporting Treasurer MaryAnn Shushan Miller
Communication Anne Lindsley
Historian Joyce Dodd

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anticipated densities for each residential property in the Los Alamos Hills Specific Plan for your reference. This was previously submitted by CQLM December 29, 2010.

- (985 acres x 1 du /2.5 acre = 386 du) +
- (90 acres x 1 du/acre = 90 du) +
- (75 acres x 10 du/acre = 750 du)
- 386 du + 90 du + 750 du = 1,226 dwelling units

M-3

Please also use the appropriate FAR for analyzing the future commercial we have identified for our area. The Commercial land use will be needed in the future to insure we have a balance of land uses in our Los Alamos Specific Plan area for appropriate revenue generation fo publicr infrastructure development.

M-4

It is unclear whether a subsequent General Plan Amendment would be required to implement the Los Alamos Hills Specific Plan. Please clarify that a Specific Plan will be initiated without a need for a General Plan Amendment and EIR. This is why it is appropriate for you to analyze our submitted land use plan and goals and policies. Unless the City correctly analyzes these as submitted, a subsequent General Plan amendment and EIR may be required. Please comment on this assumption.

M-5

Page 2

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The Specific Plan boundaries in the General Plan are inconsistent with the boundaries desired by CQLM. The General Plan only states that "the property owners will determine the boundaries of the Specific Plan in the future". The CQLM organization and its predecessor have developed a Specific Plan draft and specific boundaries. Please respect this work carried out over the past ten (10) years that represents our boundaries submitted to you in December 2010 but omitted in the draft GP. We do not need any more future conceptual groups or boundaries. Please use the boundaries we have submitted to the City for the GP analysis. M-5

-

- It was agreed upon with city staff that CQLM may use a "Tiered" approach for the Specific Plan off of the General Plan EIR. If the correct boundaries are not identified in the General Plan, we believe that the EIR will not accurately assess impacts for the Los Alamos Hills area. M-6

- The MSHCP boundaries are substantially different and larger than what was anticipated for future MSHCP conservation in our discussions with staff and Council for the area west of Warm Springs Creek. A portion of property in the transition area anticipated for commercial and residential development is also identified as proposed "Core" areas and linkages for conservation as well as a substantial amount of area within the 1 du/2.5 acre areas. This area is needed for future infrastructure improvement funds which will not be available if this area is placed in open space conservation. Please see Attachment D for your reference. M-7

- The general plan does not identify mixed use analysis in the EIR for the transition area East of Warm Springs Creek in the 5 to 10 dwelling units per acre.. To be consistent with the General Plan the identified 5-10 dwelling units per acre must be analyzed utilizing a 60% commercial to 40% residential ratio over the identified mixed land use area..Utilize the FAR factors and dwelling unit factors you have used on other mixed use properties located in the city in the EIR to be consistent with the rest of the EIR analysis. M-8

- One acre minimum lots as well as 5 to 10 dwelling units per acre areas are not specifically identified in the General Plan. Please include this language, as discussed with city staff, within the General Plan and EIR to accurately assess future growth and anticipated impacts in the EIR and to allow for the Specific Plan to be consistent with the General Plan and EIR.

We have also specifically reviewed all the General Plan goals and policies against those requested and submitted by CQLM in December, 2010 and identified four categories in our review: **consistent, generally consistent and omitted**. Subsequent to the consistency review of the goals and policies, we have identified areas of comment or concern within the individual General Plan Elements and EIR sections as they relate to CQLM. M-9
The attached table (Attachment A) describes each Goal and Policy agreed to with CQLM and what was actually incorporated in the General Plan update.

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Co-Chairman Mike O'Donnell
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GENERAL PLAN – REVIEW SUMMARY BY ELEMENT

Chapter 1 – Introduction

Los Alamos Hills is not identified as a Specific Plan in this chapter. Please identify the SP area in this chapter.

Chapter 2 – Vision M-10

No comments.

Chapter 3 – Land Use Element (ALSO REFER TO GOALS & POLICY TABLE) M-11

Page 3-17: Los Alamos Hills is called out as a "Focus Area"; however, Exhibit 3-4 *General Plan 2035 Focus Areas* does not include the area as a focus area. Graphic representation is just as important and should be revised to avoid ambiguity in the future. M-12

Page 3-18: Table 3-15 *2035 General Plan Focus Areas* – Los Alamos acreage in the table is shown as "TBD". We believe that we do in fact have the Los Alamos Specific Plan acreage and boundaries and it is demonstrated in Attachment B and C for your reference. M-13

Page 3-20: **Los Alamos Hills Location** language is consistent with the CQLM identified Specific Plan boundaries; however, Exhibit 3-1 *Specific Plan Areas* Los Alamos is identified as a "Future Specific Plan" area and the boundaries are **not** accurate. Please see the attached exhibit (Attachment C) to show CQLM desired boundaries. M-14

Page 3-20: **Los Alamos Hills Background** describes that "future land use transitions east of Warm Springs Creek may be considered". This language is too vague; please revise "may be considered" to "will be considered and is consistent with the Goals of Los Alamos Hills." M-15

Page 3-46: "There is an interest by some of the property owners within the Los Alamos Hills area to develop a Specific Plan that would maintain the rural core of the Los Alamos community west of Warm Springs Creek, while providing certain needed public services." Please modify language to state that "There is an interest by MOST property owners…" and that property owners **will develop and submit** a Specific Plan for City processing that…" M-16

Page 3-46: Accurate language – "The existing open space, future development pattern, and circulation system established for the area is intended to maintain and preserve the majority of area as a picturesque area, whose topography and setting contribute to the rural agricultural enclave. M-17

Page 3-46: "Additional development anticipated under the General Plan 2035 includes an additional 157,453 square feet of commercial uses." This is inconsistent with what is shown on Page 3-50 in Table 3-17 *Focus Area Land Use Projections* where it states **828 residential dwelling units** AND 157,453 square feet of commercial uses. The text and table need to be consistent when describing land use projections. Specifically, the text only states 157,453 square feet of commercial while the table states both the commercial square footage AND residential dwelling units. The Los Alamos Hills Specific Plan draft generated by City staff in 2008, with significant input for local residents and public officials, indicated the commercial portion would be included within the Specific Plan. Inclusion of this area needs to be clearly identified within the General Plan. The commercial square footage is very specific and it appears that M-18

Page 4

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it may be the commercial piece at the north eastern most portions. Clarification required.
Projected dwelling unit count is inconsistent with what is anticipated for the Los Alamos Hills Specific Plan and what was discussed with Cynthia Kinser in an email dated November 19, 2010. In general, when calculating projections for General Plan purposes, we believe the conservative number should be used (also known as base density in the EIR). For example, the area known as the transition area is within the 5 to 10 du/acre @ 75 acres = 750 units at 10 du/acre as opposed to 5 du/acre = 390. We were also assured by staff and RBF on numerous occasions that the conservative assumption would be the density used to analyze traffic, land use impacts etc. Language on a transition area that includes 5 to 10 dwelling units per acre should be incorporated in the General Plan for Los Alamos Hills. There is no mention of this throughout the General Plan. M-18

Page 3-46: Language needs to be inserted to state that a Specific Plan is required to implement the Los Alamos Hills area and not a General Plan Amendment **and** Specific Plan. M-19

Chapter 4 – Economic Development Element M-20
No comments.

Chapter 5 – Circulation Element M-21
No comments.

Chapter 6 – Infrastructure Element
Exhibit 6-1: Shows Liberty Rd still connecting to Winchester. All exhibits throughout the General Plan should reflect the most current Circulation Map Exhibit 5-10 which eliminates this connection. M-22

Chapter 8 – Conservation Element
The MSHCP boundary in the General Plan on Exhibit 8-3 go beyond what the Regional Conservation Agency (RCA) anticipated for their Conceptual Reserve for conservation in the Los Alamos Hills area and conflicts with the Los Alamos Hills Specific Plan goals. All areas of Los Alamos are anticipated for growth; however several of these growth areas are shown as a Core Area in the MSHCP, including a portion of the transition area as well as a substantial portion of the 1 du/2.5 acre areas. Unless adjusted, this designation may affect future development. This is inaccurate and needs to be modified to only show the areas previously shown by the RCA and include the 40% MSHCP conservation limits for Los Alamos based on our previously submitted boundary. M-23

Chapter 9 – Recreation & Open Space M-24
No comments.

Chapter 10 – Air Quality M-25
No comments.

Chapter 11 – Noise M-26
No comments.

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Chapter 12 – Safety
No comments. M-27

ENVIRONMENTAL IMPACT REPORT – REVIEW SUMMARY BY SECTION

The theme remains consistent with our review of the draft General Plan in that we believe Los Alamos Hills is not adequately represented in some areas. Most importantly, the Los Alamos Hills Specific Plan is supposed to be able to "Tier" off of the General Plan Environmental Impact Report and we believe the city's assumptions for Los Alamos are too vague to do so. It is important that the city use the accurate density in order for the EIR review to be comparable to the Los Alamos Hills Specific Plan. The following is a summary by Section. M-28

Section 5.1 – Land Use

Page 5.1-28: The EIR states that the Master Plan Overlay (MPO) may not be used within the Los Alamos District.

- This may be an issue because it is this overlay that allows for clustering of units to efficiently utilize portions of a site that are best suited for development. This overlay is typically used for land that includes special terrain such as steep hillsides etc. and should not be restricted from the Los Alamos area. M-29

Page 5.1-30: Base Land Use Density is described as follows: The base land use density refers to the maximum number of units per acre permitted under the corresponding zoning district. The base density for the Rural Residential category is 1 unit per acre. The base densities for the Single-Family Residential and Multiple-Family Residential categories are 10 units per acre and 30 units per acre, respectively.

- This concept of base density should be used when making projections. For example, the transition area within the Los Alamos Hills Specific Plan has a range of 5-10 dwelling units per acre. Accordingly, the base density should be the 10 dwelling units per acre. You will remember that in the General Plan, the projected dwelling unit count for Los Alamos Hills was called out as 828 units. This is because the city used the 5 dwelling units per acre on the "transition property" rather than the base density of 10 dwelling units per acre. This needs to be corrected and ensure "Tiering" for the Specific Plan. M-30

Page 5.1-32 & Page 5.1-62: The EIR states that though Los Alamos Hills is a Focus Area within the General Plan, it was not targeted for land use changes. The Los Alamos Hills area is identified as a "policy change" area rather than a "land use change" area. As long as it is clear that the Specific Plan will allow for greater density this would not be an issue; however, both the General Plan and EIR do not discuss increased density for Los Alamos Hills very clearly or analyze the higher density number. M-31

Page 5.1-57: The EIR specifies that Specific Plans are used as implementation tools for the General Plan and establish more specific regulations and policies influencing development. This is the type of comment we were looking for in the General Plan but did not see. We believe this comment verifies that a General Plan Amendment is not required to implement the Specific Plan. It is fundamental that staff clearly identify that a General Plan Amendment is not required to implement the Los Alamos Hills Specific Plan in both the General Plan and EIR. We still; however, need the accurate density represented in the report for EIR analysis purposes. It is not clear that it does at this point. M-32

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Section 5.2 – Population, Employment, and Housing
Page 5.2-7: states that the area to the west of Warm Springs Creek is primarily rural residential but does not speak to the area to the east. Increased density language for the transition area needs to be incorporated and used in EIR analysis. M-33

Section 5.3 – Aesthetics M-34
No comments.
Section 5.4 Traffic and Circulation
The Los Alamos Hills Specific Plan should be able to Tier off of the General Plan Environmental Impact Report. All sections need to assume the highest base density anticipated and as discussed with staff for the Specific Plan. It is clear that because the city assumes no land use change that the city's analysis for the EIR did not include the anticipated density. This needs to be incorporated in the city's analysis. It is not possible to tell from the EIR or technical reports if the higher density has been analyzed. Please provide clarification. M-35

Section 5.5 Air Quality M-36
No comments.
Section 5.6 Green House Gas M-37
No comments.
Section 5.7 – Noise
Page 5.7-44: "Although some growth is anticipated within the Historic Murrieta Specific Plan and Los Alamos Hills Focus Areas, no land use changes are included in proposed General Plan 2035." Does this mean the Los Alamos Hills requires a General Plan amendment to process the Specific Plan? This comment is inconsistent with conversations with staff that indicated the Los Alamos Hills Specific plan can Tier off the General Plan Environmental Impact Report and that the General Plan would allow for and analyze the environmental impacts of the Los Alamos Hills increased development. All sections need to assume the density desired and discussed with staff for the Specific Plan. M-38

Section 5.8 Geology and Seismic M-39
No comments.
Section 5.9 Cultural M-40
No comments.
Section 5.10 Biological M-41

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Page 5.10-7: Conceptual Reserve Design – the transition areas are identified as proposed Core Areas; this was also mentioned in our General Plan comments. Please remove all the properties anticipated for development in the existing partially developed Core area and the transition areas from the conservation plan. The boundaries were expanded beyond what was originally reserved for conservation from the RCA. M-42

Section 5.11 Agricultural
No comments.
Section 5.12 Mineral
No comments.
Section 5.13 Hydrology, Drainage & Water Quality
No comments.
Section 5.14 Hazards and Hazardous Materials
No comments.
Section 5.15 Water Supply
No comments.
Section 5.16 Wastewater
No comments.
Section 5.17 Fire Protection
No comments.
Section 5.18 Police Protection
No comments.
Section 5.19 School Facilities
No comments.
Section 5.20 Parks and Recreational Facilities
No comments.
Section 5.21 Solid Waste
No comments.
Section 5.22 Electricity and Natural Gas
No comments. M-43

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Section 6.0 Alternatives
Minor comment: Page 6-3 there is an incorrect reference regarding the Focus Area Exhibit 3-3 when it should be 3-4. M-44

Also, this section states that Los Alamos Hills is shown on this Focus Area Exhibit; however, it is not mapped on the exhibit. Please revise map to show Los Alamos Hills as a Focus Area. M-45

Section 7.0 Other CEQA Considerations
No comments.
Section 8.0 Effect Found Not to Be Significant
No comments.
Section 9.0 Significant Environmental Effects Which Cannot be Avoided If The Proposed Action is Implemented
No comments.
Section 10.0 References.
No comments. M-46

In summary, we appreciate staff's considerations for the Los Alamos Hills Specific Plan area. We do believe; however, that there are significant issues that still need to be addressed within both the General Plan and Environmental Impact Report. We look forward to resolving these issues with you and your staff. We reserve the right to provide additional comments throughout the General Plan and CEQA process. M-47

Sincerely,
Citizens for Quality Life in Murrieta-CQLM

Max Miller, Chairman

Mike O'Donnell, Co-Chairman

Gayle Vergara, Secretary

MaryAnn Shushan Miller, Rep. Trea.

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CQLM	MURRIETA GENERAL PLAN	NOTES
GOAL 1 – Adoption of Specific Plan.	**Goal LU-19 Preparation of a Specific Plan for the Los Alamos Hills area.**	
Creation and adoption of a Specific Plan for the Los Alamos Hills area will provide clear guidance to decision makers and the community for a) the preservation of the rural core of the area, b) enhancement of infrastructure, natural resources, and public safety for the entire planning area, and c) compatible development of a transitional land use area east of Warm Springs Creek that will buffer the rural residential core on the west from the more intense and non-compatible- uses within the eastern boundaries of the Los Alamos Hills Specific Plan area. Special funding and tax mechanisms such as the use of a Development Agreement with the eastern area individual landowners and developers in these transitional business park, commercial, and residential land use areas can be one financing vehicle to accomplish the objectives of the Los Alamos Hills infrastructure funding programs for the core area. Other funding mechanisms such as a 1913 Act Assessment District and Community Facility District shall also be studied and investigated. These transitional land areas should not receive final zoning and entitlements until a Los Alamos Hills area wide infrastructure study is prepared and these transitional area property owners and developers agree to formally participate in funding these required infrastructure studies, and subsequently funding a significant portion of the needed infrastructure costs as a tradeoff for the increased property values added by the future increased urban zoning in these transitional residential, commercial, and business park land use areas inside the rural Los Alamos Hills Specific Plan area.	LU-19.1 Bring together the property owners in the Los Alamos Hills area to determine the land area to be included in a future Specific Plan. LU-19.2 Bring together the property owners to develop a consensus-based Specific Plan. LU-19.3 Encourage the Los Alamos Hills community groups, such as the Citizens for Quality of Life in Murrieta (CQLM), and property owners to work together with infrastructure providers and the City to identify infrastructure needs and costs, as well as financing options and timing for roads, road improvements, and water and sewer infrastructure, throughout the future Los Alamos Hills Specific Plan area.	**Generally Consistent** - Not as specific on the language but kept it general to allow for the community to address infrastructure needs and financing. These are shown throughout the General Plan in Land Use, Circulation and Infrastructure Elements and appreciated. LU-19.3 Add the language:" Encourage the Los Alamos Hills community groups, such as the Citizens for Quality Life in Murrieta (CQLM), existing property owners and transitional property owners to work together with the infrastructure providers and the city to complete an area wide infrastructure study to identify infrastructure needs and costs, as well as financing options and timing for roads, road improvements, and water and sewer infrastructure, throughout the future Los Alamos Hills Specific Plan area. Transitional property owners shall not receive final zoning and entitlements until the area wide infrastructure study is complete and formal agreement is reached for subsequent funding of needed infrastructure costs inside the rural Los Alamos Hills Specific Plan area.
Goal 2 Rural Character West of Warm Springs Creek, preserve the historic rural character of the Los Alamos Hills area by maintaining its unique rural style environment with low-density residential development and small rural roads while preserving natural features where possible and practicable.	**Goal LU-20 West of Warm Springs Creek, preserve the historic rural character of the Los Alamos Hills area by maintaining its unique environment rural style with low-density development and small rural roads while preserving natural features.**	**Add the language: "....natural features where possible and practicable."**
Policy 2.01: Maintain the existing 2.5 acre minimum residential parcel size as the principal means of maintaining the desired rural character of the Los Alamos Hills area, west of Warm Springs Creek; (see attached exhibit).	Goal LU-20: West of Warm Springs Creek, preserve the historic rural character of the Los Alamos Hills area by maintaining its unique environment rural style with low-density development and small rural roads while preserving natural features. LU 20.1 Maintain the existing 2.5-acre minimum residential parcel size west of Warm Springs Creek.	**Consistent** - Maintains consistency with CQLM policies.
Policy 2.02: Through adoption of the Specific Plan, establish and enforce supplemental development standards for all new construction to ensure high quality rural development in the	LU-20.2 Establish development standards for all new construction to ensure high quality rural development in the area west of Warm Springs Creek.	I Add the language: " Through adoption of the Los Alamos Hills Specific Plan, establish and enforce development...:

Attachment A

Specific Plan area, for development west of Warm Springs Creek.		
Policy 2.03: Establish unifying visual elements, such as split rail fencing, mature native trees, and well-spaced homes as a means of distinguishing the Los Alamos Hills community as a rural historic enclave within Murrieta's surrounding increased density development. For higher density residential, business park, and commercial development east of Warm Springs Creek, establish standards that continue and reinforce the visual rural elements of the Los Alamos Hills core areas to the west.	LU-20.3 Establish unifying visual elements, such as split rail fencing, mature native trees, and well-spaced homes, as a means of distinguishing the Los Alamos Hills area as a rural historic enclave within Murrieta for the area west of Warm Springs Road.	**Generally Consistent** but omitted language is an important issue. Gray area omitted from General Plan. Maintains consistency with CQLM policies. However, no reference to higher density or business park areas east of Warm Springs Creek.
Policy 2.04: Existing land uses in the Los Alamos Hills area will be allowed to remain without undue hardship and impact by the new Los Alamos Hills Specific Plan Zoning regulations, including the replacement of or addition to existing manufactured housing with new manufactured housing product.		**Omitted** from General Plan. CQLM concern.
Policy 2.05: Allow the keeping of personal livestock for both commercial and non-commercial purposes pursuant to the standards in the Development Code and as may be modified through the Specific Plan.	LU-20.6 Allow the keeping of personal livestock for both commercial and non-commercial purposes pursuant to the standards in the City's Development Code, and as may be modified through a Specific Plan.	**Consistent** - Language is consistent with CQLM requests.
Policy 2.06: Allow commercial farms, tree crops and other agricultural uses on lots of at least 2.5 acres in size consistent with Los Alamos Hills' long history as an agricultural community.	LU-20.7 Allow commercial farms, tree crops and other agricultural uses on lots of at least 2.5 acres in size consistent with Los Alamos' long history as an agricultural community.	**Consistent** - Language is consistent with CQLM requests.
Policy 2.07: Require the construction of compatible, well designed conventional homes, west of Warm Springs Creek.	LU-20.4 Encourage the construction of homes and accessory structures, west of Warm Springs Creek that is compatible with surrounding residential uses and the rural character of the Los Alamos Hills area.	**Consistent** - Generally the same language.
Policy 2.08: Require the design of homes and accessory structures, in keeping with the rural character of the Los Alamos Hills area.	LU-20.4 Encourage the construction of homes and accessory structures, west of Warm Springs Creek that is compatible with surrounding residential uses and the rural character of the Los Alamos Hills area.	**Consistent** - Modified language but still consistent.
Policy 2.09: Disallow urban features such as small lots, conventional sidewalks, and conventional street lights, west of Warm Springs Creek.	LU-20.9 Discourage features such as small lots, conventional sidewalks, or conventional street lights, west of Warm Springs Creek.	**Consistent** - Language is consistent with CQLM requests.
Policy 2.10: Require the minimal use of outdoor lighting to maintain the nighttime dark sky in this rural Los Alamos Hills area.	LU-20.10 Encourage the minimal use of outdoor lighting to maintain the nighttime dark sky in the rural Los Alamos Hills area.	**Consistent** - Language is consistent with CQLM requests.
Policy 2.11: Develop Specific Plan land use regulations, for the area west of Warm Springs Creek, which allow the grouping of building sites on larger properties that contain steep terrain or other site constraints to achieve development parity or equity with flatter lots in the same area while adhering to a maximum density of one (1) dwelling unit (and secondary structures) per each 2.5 acres of lot area.	LU-20.5 Consider Specific Plan land use regulations for the area west of Warm Springs Creek that allow the grouping of building sites on larger properties with steep terrain or other site constraints, while adhering to a maximum density of one dwelling unit per each 2.5 acres of lot area.	**Generally Consistent** - Gray language omitted. Maintains consistency with CQLM policies.
Policy 2.12: Allow for the placement of non-attached secondary dwelling units and or barn/storage facilities on large lots with terraced and variable terrain. Implement Specific Plan		**Omitted** - Language not found in the General Plan. CQLM concern. Include as a policy. Very important for development parity or equity with flatter lots in the same

Attachment A

conservation agencies. Develop programs and standards that discourage and minimize any additional taking of private land for MSHCP conservation related purposes.		
Policy 4.03: Visual resources within the district, such as rock outcroppings and scenic views of the local hills and valleys, should be conserved to the greatest degree practicable.	LU-22.1 Encourage the preservation of natural and visual resources within Los Alamos Hills, such as rock outcroppings and scenic views of the local hills and valleys, to the greatest degree practicable.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
Policy 4.04: Require that new construction and landscape design be conducted in a manner that uses grading techniques to mimic the natural terrain.	LU-22.2 Encourage new construction and landscape design that utilizes grading techniques to mimic the natural terrain.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
Policy 4.05: The Specific Plan should develop a mechanism so that over time, non-native trees shall be replaced or supplemented with native tree species as a condition of new development or when other opportunities arise.		**Omitted** - Not included in the General Plan is not of concern to CQLM.
Policy 4.06: Require that new development minimizes impacts to existing water courses, mature trees, and natural features as much as possible. In those cases that these areas/features are impacted, the final design should provide adequate mitigation, either on-site or in nearby areas.	LU-22.3 Encourage development that minimizes impacts to existing water courses, mature trees, and natural features as much as possible. In those cases that these areas/features are impacted, the final design should provide adequate mitigation on-site and/or in nearby areas.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
Policy 4.07: Require healthy and structurally sound, existing groves of eucalyptus and other mature non-native trees located west of Warm Springs Creek to be considered a visual asset to the area, and should be conserved and maintained to the maximum degree practicable.	LU-22.4 Encourage healthy and structurally sound, existing groves of eucalyptus and other mature non-native trees located west of Warm Springs Creek to be considered a visual asset to the area, and should be conserved and maintained to the maximum degree practicable.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
Policy 4.08: Require new developments to replace or supplement with native tree species as opportunities arise.	LU-22.5 Encourage new development to replace or supplement with native tree species as opportunities arise.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
Policy 4.09: Require the development of an extensive trail system within the MSHCP and other open space that connects to a trails system within or adjacent to the existing and future street system, including linkage through the transitional density buffer zone residential areas east of Warm Springs Creek to the open space corridor along Adobe Creek.	LU-22.6 Encourage the development of an trail system within the Multiple Species Habitat Conservation Plan (MSHCP) and other open space areas that connects to a trails system within or adjacent to the existing and future street systems, including linkage through areas east of Warm Springs Creek (such as but not limited to a transitional buffer area) to the open space corridor along Adobe Creek. Trails adjacent to streets should allow for multiple users and provide buffers between vehicles and trail users.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
GOAL 5 - Circulation. The Los Alamos Hills community has a variety of street classifications within and abutting its boundary. The City as a whole needs the larger streets such as Clinton Keith and Winchester Roads for general circulation while the Los Alamos Hills community is dependent upon small rural streets for internal and/or community circulation. Further, some of the streets within the Hogback portion of Los Alamos Hills are private dirt roads which the community desires to improve to a		**Omitted – Important Issue** Not included in the General Plan but is of concern to CQLM. Include as GOAL 5, in its entirety. Important for a new rural road standard.

Attachment A

support land uses.		
Policy 3.05: Encourage the City and the Los Alamos Hills community groups such as the Citizens for Quality of Life in Murrieta (CQLM,) and property owners to work together with the City and other Special Districts to develop financing options, and timing schedules for funding roads, road improvements, and water and sewer infrastructure, and maintenance throughout the Specific Plan area.	LU-19.3 Encourage the Los Alamos Hills community groups, such as the Citizens for Quality of Life in Murrieta (CQLM), and property owners to work together with infrastructure providers and the City to identify infrastructure needs and costs, as well as financing options and timing for roads, road improvements, and water and sewer infrastructure, throughout the future Los Alamos Hills Specific Plan area.	**Generally Consistent**
Policy 3.06: Allow for and utilize funding tools available to both the City and landowners/developers including a Community Facilities District (CFD),,1913 Act, Development Agreements, Eastern Municipal Water District standby water fees and reimbursements, and CEQA mitigating fees from adjacent water shed basins. Other projects outside Los Alamos Hills that divert the natural flow of ground water from the Los Alamos Hills areas must help contribute to the overall infrastructure improvements for the Los Alamos Hills core Specific Plan area because of ground water and consequential private well degradation.		**Omitted** – Important issue. No language specific to Los Alamos Hills included in the General Plan but is of concern to CQLM. Include entire policy 3.06 and add the language: " ...private well degradation causing a significant impact."
GOAL 4 – Natural Resources. The Los Alamos Hills area has provided an inordinate amount of MSHCP and other open space compared to the rest of the Murrieta community. The Los Alamos Hills area shall provide no further MSHCP open space recognizing that the City has the authority under the MSHCP to adjust both the amount and location of the MSHCP open space under the terms of the MSHCP utilizing the low end of the MSHCP directed conservation acreage scale or range. The City recognizes that the United States Fish and Wildlife Service MSHCP mapping predicts over 80% of the Los Alamos Hills Specific Plan area will be targeted for permanent open space and this amount is unacceptable to the City. Utilizing the existing 40% open space and focusing on the low end of the MSHCP conservation range, and the future rural development of the Los Alamos area, maintain and preserve the Los Alamos Hills Specific Plan area as a picturesque area whose topography and setting contribute to the sense of being in a rural, agricultural enclave.		**Omitted** - Not included in the General Plan but is of concern to CQLM. Include entire GOAL 4 – Natural Resources, as written.
Policy 4.01: Develop specific City policies that identify the City's authority under the MSHCP to empower the City to adjust the quantity and location of further MSHCP open space within the Los Alamos Hills Specific Plan area without the requirement for Criteria Refinement or Plan Amendments.		**Omitted** – Important issue. CQLM concern Include entire policy 4.01 as written.
Policy 4.02: Develop implementation of programs that allow property owners who utilize City land use regulations to receive fair market compensation value for any private open space that the private land owner wishes to sell to the City or other		**Omitted** – Important issue. CQLM concern. Include entire policy 4.02

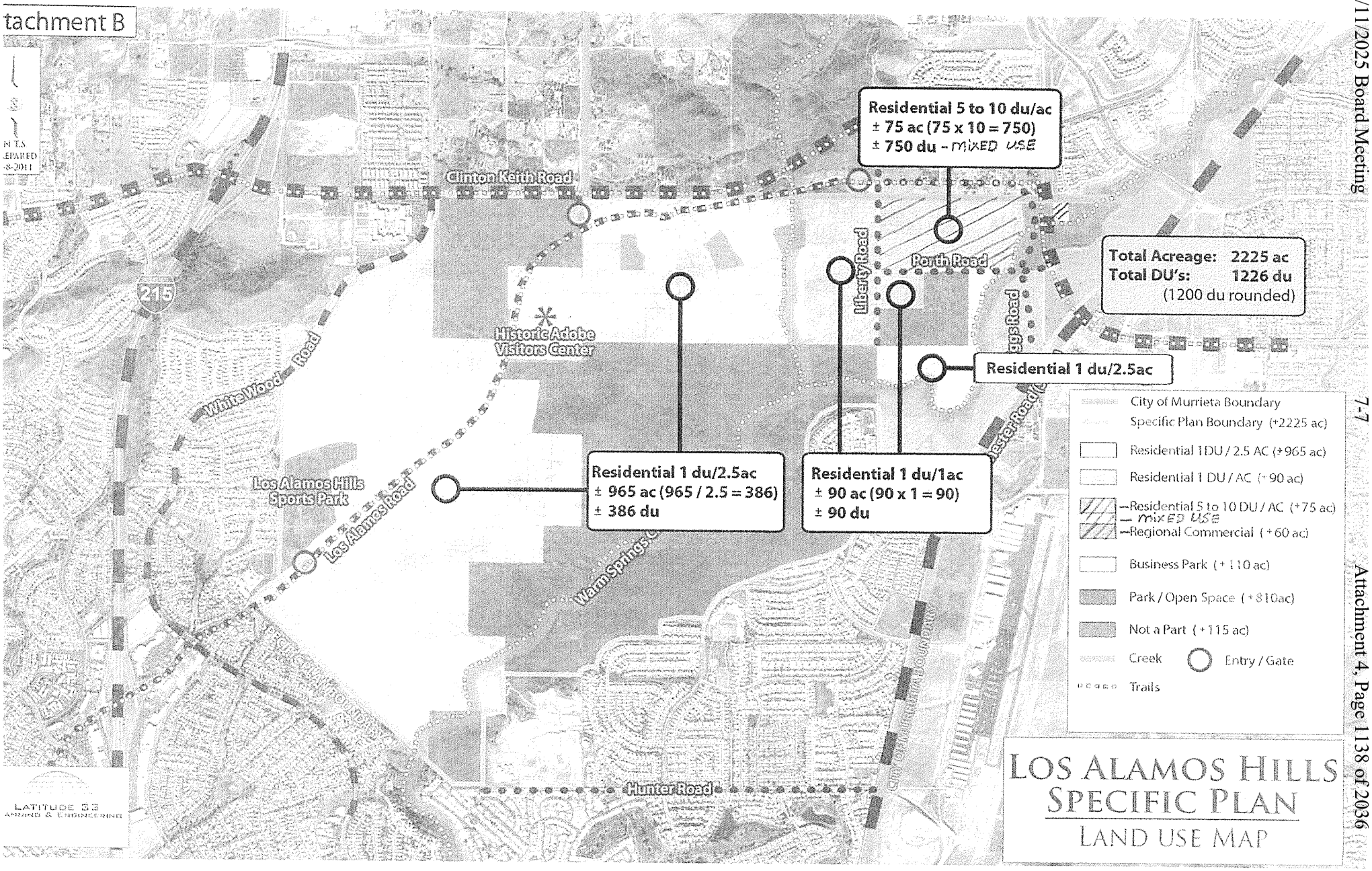
taxable assessed value of private property. Los Alamos Hills Specific Plan area is threatened by encroaching adjacent non compatible land uses and their significant, consequential impacts on water, traffic, sewer, and maintenance, on its west, east, south and northern boundaries. These imposed burdens and impacts on the rural lifestyle and infrastructure financing include relatively sparse density, private, and public rural road deterioration, and threatened private water service, which pose special challenges for fire safety and paramedic safety. The General Plan implementation through the zoning approved Los Alamos Hills Specific Plan should focus on providing for and enhancing the level of service, maintenance, and financing to address local safety issues.	energy. Page 6-9: INF-1.21 Encourage the use of specific plans, development agreements, or mechanisms that specify the nature, timing, cost, and financing mechanisms to be used to fund water, wastewater, and/or storm drainage improvements and services.	Include GOAL 6 – Safety in its entirety with the added language: " ...land uses and their **significant**,..."
Policy 6.01: Design and size the local/community streets to new Los Alamos Hills rural standards to serve the Los Alamos Hills Specific Plan area, ensure all properties have access to the street system, and ensure adequate emergency response times and efficiency.	Page 12-21: Development in the eastern part of the City will create additional demand for a sixth fire station to serve this area, where response times are longer than the target time. Providing fire protection for high-rise office buildings will require investment in new equipment as well as staffing for four-person engine companies. In both cases, new development will need to pay its fair share of the costs associated with fire protection. SAF-1.4 Ensure that public safety infrastructure and staff resources keep pace with new development planned or proposed in Murrieta and the Sphere of Influence. SAF-1.5 Promote coordination among City departments to provide for safety in new development and/or annexation areas. SAF-1.6 Investigate and pursue additional funding mechanisms. SAF-5.4 Ensure that outlying areas in the City can be served by fire communication systems as new development occurs. SAF-9.6 Ensure that new development can be served by police communication systems and provide for the construction of radio towers (repeater sites) in outlying areas.	**Generally Consistent** - Not fully addressed in the General Plan in regards to rural street standards. Emergency response times are generally addressed and not specific to Los Alamos
Policy 6.02: Encourage circulation, road standards, signalization and other traffic calming measures that enhance the safety of the community.	LU-23.2 Explore the use of traffic calming measures, as appropriate.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies. The Policy within the General Plan is general and not specific to Los Alamos Hills.
Policy 6.03: Work with the City and the appropriate Water Districts to see that a public water main and related fire hydrants be installed along Los Alamos Road.		**Omitted** - Not specifically included in the General Plan but is of concern to CQLM.

new rural dedicated street standard.		
Policy 5.01: Acknowledge the need for higher volume/wider City streets, such as Clinton Keith Road and Winchester Road, to serve the needs of the whole City, as well as, the needs of the Los Alamos Hills Specific Plan area.	LU-23.1 Support the development of a circulation plan and road standards for the existing and proposed road system within the Los Alamos Hills area that reflects the land uses and development intensity within a Specific Plan.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
Policy 5.02: Develop signalized intersections at Clinton Keith and Liberty Roads, as part of final engineering for Clinton Keith Road.	Page 5-6: Table 5-1 *Study Intersections* shows Liberty Rd. & Clinton Keith intersection as "Future Signalized".	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
Policy 5.03: Install stop signs and other traffic calming measures along Los Alamos Road, especially at Ruth Ellen Way, Celia Road, east and west Crawford Canyon Rd, Liberty Lane intersections with Los Alamos Road, and others as may be appropriate.	LU-23.2 Explore the use of traffic calming measures, as appropriate.	**Consistent** - Language was modified not consistent with the CQLM Goals and Policies. Include policy 5.03, in its entirety.
Policy 5.04: Require the deletion of the Liberty Road crossing of Warm Springs Creek and Menifee Road between Los Alamos Road and Clinton Keith. As outlined in the Natural Resources Goals, minimize impacts and preserve the natural features in Los Alamos Hills and Warm Springs Creek.	Page 5-11: "Remove connection of Liberty Rd to Winchester Rd."	**Generally Consistent - Though** the deletion is mentioned within the text and shown on Circulation Exhibits; some other exhibits have not made this change (Exhibit 6-1).
Policy 5.05: Provide a Porth Road crossing of Warm Springs Creek, near Winchester Road, that is limited in size such that it accommodates the anticipated traffic.		**Omitted** – Concern. No mention of Porth Road within the Circulation Element. Please clarify.
Policy 5.06: Establish a new rural road standard that allows the community to improve the existing dirt roads, and where appropriate, expand the system to ensure consistency throughout the Hogback portion of the Los Alamos Hills community.	CIR-1.5 Maintain a set of street standards and require that all new road facilities be constructed or upgraded, where feasible, to meet City standards.	**Omitted** - Not included in the General Plan but is of concern to CQLM.CIR- 1.5 is inconsistent with policy 5.06. Los Alamos Hills community requires a NEW RURAL ROAD Standard.
Policy 5.07: Create rural trails both adjacent to existing streets and within the MSHCP open space areas. Trails adjacent to streets will allow for multiple users and provide buffers between vehicles and trail users. Trails in the open space must be designed and constructed to limit impacts to the natural features and vegetation communities.	LU-22.6 Encourage the development of an trail system within the Multiple Species Habitat Conservation Plan (MSHCP) and other open space areas that connects to a trails system within or adjacent to the existing and future street systems, including linkage through areas east of Warm Springs Creek (such as but not limited to a transitional buffer area) to the open space corridor along Adobe Creek. Trails adjacent to streets should allow for multiple users and provide buffers between vehicles and trail users. Page 5-3: Lack of a Connected Bicycle/Trail System. Community members identified the need for a city-wide system of bicycle lanes, as well as recreational trails (including equestrian trails) that connect parks and open space, and key destinations within the City (such as the Historic Downtown), allowing access to amenities without the need to drive. Also see page 5-26 and 27.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
GOAL 6 - Safety. The Los Alamos Hills Specific Plan area's infrastructure funding base is diminished and threatened by MSHCP restricted entitlement and development by reducing	Page 6-7: GOAL INF-1 New development and redevelopment is coordinated with the provision of adequate infrastructure for water, sewer, storm water, and	**Omitted** – Concern. Not included in the General Plan specific to Los Alamos but is of concern to CQLM.

Attachment A

Housing Element – Affordable Housing Sites # 5 and #6 are referenced as being located in the Los Alamos Hills Specific Plan area.		Eliminate proposed Affordable Housing sites #5 and #6, as such 30-50 DU/AC high density development is completely inconsistent with the current and planned development for the area. Subsequent to the January 2011 Housing Element Workshop. Council Members and City Staff assured CQLM representatives that these high density affordable housing sites had been removed from the Los Alamos Hills Specific Plan Area. Remove the Draft Housing Element referenced in Draft General Plan still shows Sites #5 and #6 in the Los Alamos Hills boundary. Please remove this reference.

tachment B



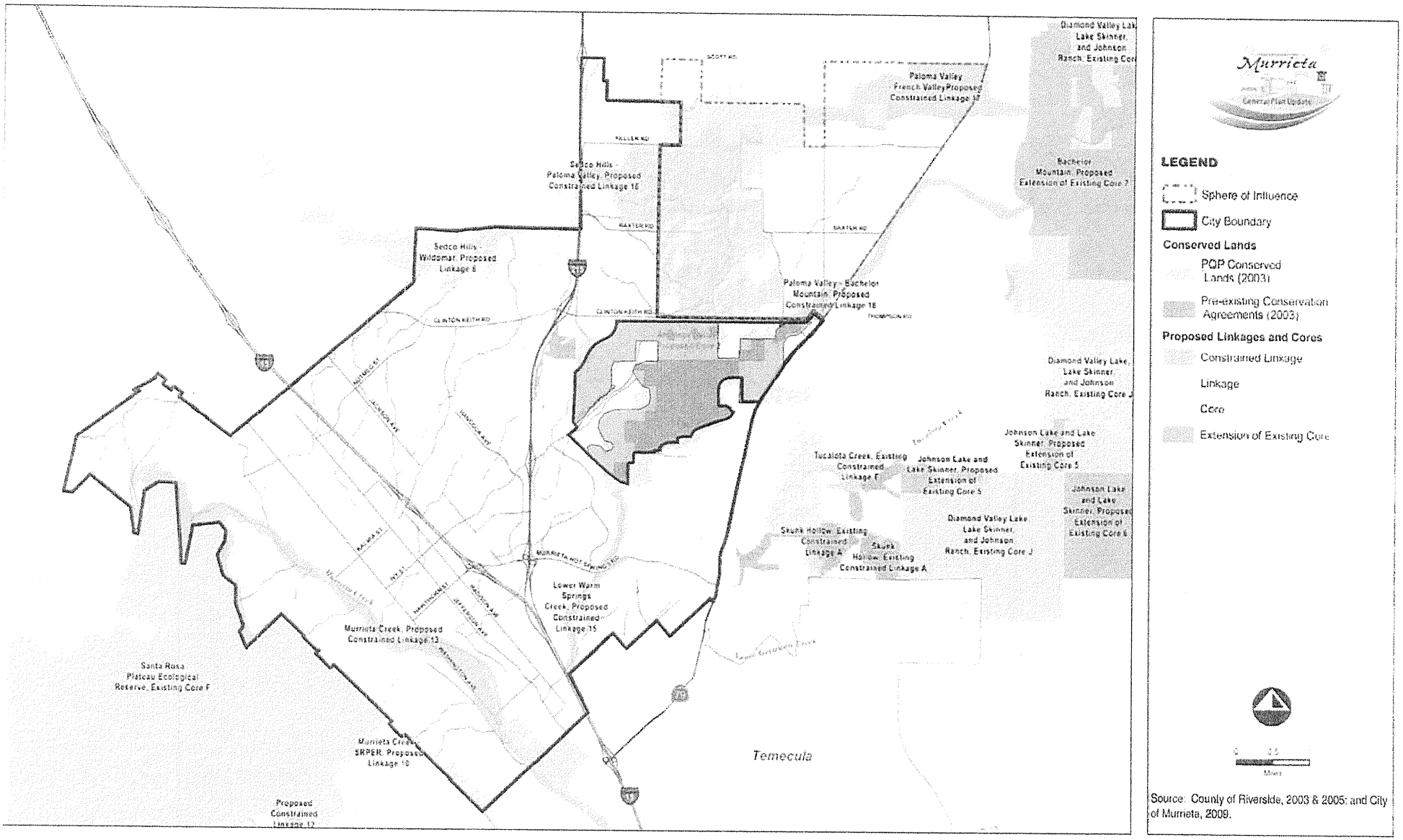
LOS ALAMOS HILLS SPECIFIC PLAN

LAND USE MAP

Attachment C

Specific Plan Areas

Exhibit 3-1



Attachment D

MSHCP Existing and Proposed Conservation Land

Exhibit 8-3

M. RESPONSES TO COMMENTS FROM CITIZENS FOR QUALITY LIFE IN MURRIETA (CQLM), MAX MILLER, CHAIRMAN; MIKE O'DONNELL, CO-CHAIRMAN; GAYLE VERGARA, SECRETARY; MARYANN SHUSHAN MILLER, REPORTING TREASURER; DATED MARCH 9, 2011.

M1. The Commentator is stating that the CQLM has reviewed the Draft General Plan 2035 and Draft Environmental Impact Report (Draft EIR), and that CQLM appreciates City staff's time to meet with CQLM regarding their vision for a Los Alamos Hills Specific Plan.

M2. The General Plan 2035 is supportive of a Specific Plan for the Los Alamos Hills, and has identified the Los Alamos Hills as a focus area for policy change. However, no land use changes are proposed for the Los Alamos Hills area in the General Plan 2035.

The Commentator states a request for different types of land uses, including mixed use (60 percent commercial and 40 percent residential in the area east of Warm Springs Creek). This request is different than what currently exist in the area, and as noted above no land use changes were proposed in the General Plan 2035 for this area. This request is one that will be presented to the Planning Commission and City Council for their consideration.

While the Draft General Plan 2035 and Draft EIR assume no land use changes for the Los Alamos Hills area, additional development potential (both residential and non-residential) has been included and modeled for traffic, air quality, and noise. The impacts associated with that development potential have been analyzed throughout the EIR. Future environmental review for the Los Alamos Hills Specific Plan will be able to utilize and tier off the General Plan 2035 EIR.

Even though no land use changes are shown on the General Plan 2035 Land Use Policy Map (Draft EIR *Exhibit 3-2*), the Draft EIR does include future development potential (both residential and non-residential) for the Los Alamos Hills area. *Table 3-3*, *Focus Area Land Use Projections*, on page 3-28 of the Draft EIR provides land use projections for five focus areas where land use changes are proposed (North Murrieta Business Corridor, Clinton Keith/Mitchell, Golden Triangle North (Central Murrieta), South Murrieta, and Multiple Use 3 [MU-3]) and the two focus areas where policy changes are proposed (Historic Murrieta Specific Plan and Los Alamos Hills). *Table 3-3* identifies additional growth over existing conditions, and as such has projected an additional 828 dwelling units and 157,453 square feet of commercial uses for the Los Alamos Hills area.

The densities analyzed in the Draft EIR are consistent with the densities projections provided by CQLM to the City in October 2010. A different proposed land use plan and densities were provided to the City in December 2010. Modeling and analysis for the Draft EIR had commenced prior to December 2010, thus it was not possible to

incorporate any changes proposed by CQLM at that time. However, it is important to note the December 2010 proposal by CQLM proposed 1,226 dwelling units and no non-residential square footage. These numbers are slightly less than the October 2010 proposal, which will be described below.

Development Potential Analyzed in Draft EIR, and Traffic, Air Quality & Noise Models (Numbers from Draft EIR Table 3-3)

Existing DU	Proposed DU (Growth Over Existing)	Proposed SF (Growth Over Existing)	Total
463	828	157,453	1,291 DU 157,453 SF

CQLM Development Potential Requested for Specific Plan (October 26, 2010)

Residential (1 du/2.5 ac)	Residential (1 du/1 ac)	Residential (5-10 du/ac)	Non-Residential (Commercial, Business Park)	Total
357	77	797	None identified	1,231 DU 0 SF

The two tables above provide a comparison of the development potential analyzed in the Draft EIR and that proposed by CQLM. The first table shows the development potential analyzed in the Draft EIR. It notes existing development (463 dwelling units), growth over existing conditions (828 dwelling units and 157,453 square feet of non-residential uses), and the buildout total (1,291 dwelling units and 157,453 square feet of non-residential uses).

The second table shows the development requested for the Specific Plan area in October 2010, and only shows ultimate buildout without any recognition of existing uses in the area, residential or non-residential. CQLM proposes a total 1,231 dwelling units and no non-residential square footage.

A comparison of these tables clearly shows that the requested development potential has been accounted for in the Draft EIR, and is actually exceeded by 60 dwelling units and over 150,000 square feet of non-residential uses, than that requested by CQLM. This

development potential has been analyzed in the Draft EIR, including the traffic, air quality, and noise models.

Section 6.0, Alternatives to the Proposed Project, in the Draft EIR outlines the General Plan 2035 process and the determination of alternatives to be analyzed in the Draft EIR. The Draft General Plan 2035 EIR has included a range of reasonable and feasible alternatives to the proposed project (General Plan 2035) that meet the objectives established for the proposed project. Given that the Los Alamos Hills was identified as a focus area for policy change only, different land use scenarios were not developed for this area through the land use alternatives scenario process, and thus none were available for review in the EIR alternatives analysis.

The *California Environmental Quality Act* (*CEQA*) does not require speculative analysis or alternatives. Refer to Response M4.

M3. Refer to Response M2.

M4. The specific processes required for the Los Alamos Hills Specific Plan would be determined at the time an application is filed with the City.

As noted in Response M2, no land use changes were proposed for the Los Alamos Hills area in the General Plan 2035. In addition, no application has been filed with the City for a specific plan. Thus, the Commentator is requesting review of a plan that requires speculation of future impacts, whereas the scope of an EIR is to review impacts of the proposed project and cumulative projects. *Lake County Energy Council v. County of Lake* (1977) 70 Cal.App.3d 851, 854-855 ("[W]here future development is unspecified and uncertain, no purpose can be served by requiring an EIR to engage in sheer speculation as to future environmental consequences.") The proposed project and cumulative projects are defined in Section 3.0 and Section 4.0, respectively of the Draft EIR.

Although comments raised by the Commentator in the comment letter are too speculative for analysis in this Draft EIR, they will be forwarded to the Planning Commission and City Council for their consideration.

M5. With respect to the proposed boundary for the Los Alamos Hills Specific Plan, a formal application has not yet been submitted to the City. Thus, the General Plan 2035 does not include a definitive boundary, but instead identifies the area for a future specific plan, as shown on *Exhibit 3-1*, *Specific Plan Areas*. Only those areas with adopted Specific Plans have been shown on *Exhibit 3-1*. Upon adoption of a Specific Plan for Los Alamos Hills, *Exhibit 3-1* would be updated.

The determination and acceptance of a boundary for the Los Alamos Hills Area is one that will be presented to the Planning Commission and City Council for their consideration.

M6. While the Draft General Plan 2035 and Draft EIR assume no land use changes for the Los Alamos Hills area, additional development potential (both residential and non-residential) has been included and modeled for traffic, air quality, and noise. The impacts associated with that development potential have been analyzed in the Draft EIR. Future environmental review for the Los Alamos Hills Specific Plan will be able to utilize and tier off the General Plan 2035 EIR.

M7. Attachment D references *Exhibit 8-3* from the Conservation Element of the General Plan 2035. *Exhibit 8-3* is from the MSCHP and has not been modified. It is included as a reference map only. With respect to MSHCP boundaries, the City is not proposing any changes.

The remainder of the comment is specific to CQLM's proposed land use changes, which will be forwarded to the Planning Commission and City Council for their consideration.

M8. Refer to Response M2.

M9. CQLM did submit draft goals and policies to City staff for inclusion in the General Plan 2035. However, some of the goals and policies submitted by CQLM have not been included in the General Plan 2035 due to: 1) recommendation of specific land use changes, 2) conflicts with other goals and policies in the General Plan 2035, 3) duplicative goals and policies with ones in the General Plan 2035, or 4) not appropriate to include due to legal implications for the City.

M10. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M11. Refer to Response M9.

M12. *Exhibit 3-4*, *General Plan 2035 Focus Areas*, shows only those identified for land use change. The two focus areas for policy change (Historic Murrieta Specific Plan and Los Alamos Hills) are not show. A footnote will be added to the exhibit in the Final EIR to note as such.

M13. Refer to Response M5. In addition, with no formal application and defined boundaries, it is not possible to determine acreages. Thus, it is appropriate for *Table 3-15* in the Draft EIR to identify the acreage as TBD (To Be Determined).

M14. Refer to Response M5.

M15. The background language on page 3-20 of the General Plan 2035 Land Use Element is correct as written.

M16. The language on page 3-46 of the General Plan 2035 will be modified as follows in the Final General Plan 2035.

> There is an interest by ~~some of the~~ property owners within the Los Alamos Hills area to develop a Specific Plan. The property owners intend to develop and submit a Specific Plan for City processing that would maintain the rural core of the Los Alamos community west of Warm Springs Creek, while providing certain needed local services.

M17. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M18. The text on page 3-46 of the Draft General Plan 2035 will be revised as follows in the Final General Plan 2035:

> Additional development anticipated under the General Plan 2035 includes 828 new residential units and an additional 157,453 square feet of commercial uses.

M19. As noted in Response M4, the specific processes required for the Los Alamos Hills Specific Plan would be determined at the time an application is filed with the City. Thus, it is not appropriate to revise the language as requested by the Commentator.

M20. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M21. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M22. Comment acknowledged. Any necessary modifications to exhibits will be included in the Final General Plan 2035 and Final EIR.

M23. Refer to Response M7.

M24. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M25. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M26. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M27. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M28. Refer to Response M2.

M29. The text on page 5.1-28 of the Draft EIR is citing existing General Plan designations. The General Plan 2035 proposes modifications to the land use designations, which are described in detail on pages 5.1-30 through 5.1-32 of the Draft EIR. The General Plan 2035 does not include the Master Plan Overlay designation.

M30. The base densities cited on page 5.1-30 of the Draft EIR are correct as cited. With respect to densities for the Los Alamos Hills area, no land use changes are proposed in the General Plan 2035. Refer to Response M2, which details the development potential analyzed for the Los Alamos Hills area in the Draft EIR, along with ability for future CEQA documents for the Los Alamos Hills area to tier off the General Plan 2035 EIR.

M31. The General Plan 2035 and Draft EIR clearly state that the Los Alamos Hills area has been identified as a focus area for "policy change" (no land use changes); however, additional development potential has been identified for this focus area. Response M2 identifies the development potential analyzed in the Draft EIR, and modeled for traffic, air quality, and noise. The development potential in the Draft EIR is higher than that proposed by CQLM in October 2010.

M32. Refer to Response M4.

M33. The text on page 5.2-7 of the Draft EIR provides a general characterization of existing land uses. Given that the text is referring only to existing land uses, and that the General Plan 2035 does not propose any land use changes for the Los Alamos Hills area (policy changes only), it is not necessary to modify the text on page 5.2-7 of the Draft EIR.

M34. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M35. The Commentator is incorrect that the Draft EIR did not include development potential for the Los Alamos Hills area. Refer to Response M2.

M36. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M37. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M38. Refer to Responses M2 and M4.

M39. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M40. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M41. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M42. Refer to Response M7.

M43. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M44. *Exhibit 3-3*, *General Plan 2035 Focus Areas*, is the correct exhibit reference on page 6-3. No modification is necessary.

M45. Refer to Response M12.

M46. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M47. Refer to Responses M1 through M46.

COMMENT LETTER N

Citizens for Quality Life in Murrieta-CQLM

35510 Los Alamos Rd. * Murrieta, Ca 92563 (951)505-7428 (maryannshushan@yahoo.com)

Greg Smith Associate Planner
City Council
Planning Commission
City of Murrieta 1 Town Square
24601 Jefferson Avenue
Murrieta, California 92562

CITY OF MURRIETA
MAR 15 2011
RECEIVED
PLANNING DEPT.

March 15, 2011

During this public comment period and the legally required response to comments for the Murrieta General Plan 2035 and EIR documents there are several items of concern which must be analyzed. We request that these items be thoroughly addressed and not just dismissed. CEQA requires a thorough evaluation of responsible public comments. Failure to respond in a thorough and professional manner may leave the City subject to further review by the courts. N-1

The City is proposing adoption in the General Plan new Goals and Policies for the Western Riverside Multi-species Habitat Conservation Plan (MSHCP). With the adoption of the MSHCP and the City responsibly adding implementation Goals in its General Plan 2035, the city is putting Murrieta citizens' taxpayer dollars at risk if these Goals and Policies are not crafted to benefit the taxpayer land owners as opposed to the government interests. We hope the Council will bring forth Goals for the MSHCP that are better than those currently published. N-2

1) the current MSHCP needs careful General Plan Goal setting by the City of Murrieta as a Permitee in order to not cause serious constitutional infractions to Murrieta landowners, including violations of:
   a) The Fifth Amendment
   b) Equal protection
   c) Substantive due process and
   d) Procedural due process (including the Brown Act violations)

N-3

"Federal and State environmental laws generally prohibit the "taking" of any species listed as threatened or endangered. As a result, property which contains any listed species is usually undevelopable. N-4

The County imposed MSHCP effectively divided property owners in Murrieta and its Sphere of Influence into two categories: the winners who will be allowed to realize the economic potential of their land by developing it, on the one hand and at least 150,000 acres of losers, on the other hand, whose investments in their now undevelopable properties are lost. N-5

The MSHCP was adopted on June 17, 2003 pursuant to Resolution NO. 2003-299. It focuses on the conservation of 146 species (including many neither threatened nor endangered) and their associated N-6

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habitats in western Riverside County. It purports to constitute both a Habitat Conservation Plan (HCP) and Natural Community Conservation Plan (NCCP). N-6

The distinctions in the MSHCP between land purportedly suitable for development and land needed for conservation are not based, in many cases, on any valid scientific methodology or criteria. This has been shown time and again in various studies throughout the County. The distinctions of land preservation for biology purposes are oftentimes arbitrary and made for political – not environmental – reasons. In short the science is bad, and so too are policy makers that follow poor science. N-7

When the city adopted this MSHCP, without proper General Plan Goals and Policies restricting the use of the MSHCP, they have improperly ceded control of their non-delegable duties to regulate land development within their jurisdiction to the County of Riverside through the RCA. The City has given the "County government" through the RCA the authority over City development that would have no impact on any threatened or endangered species and thus is beyond intent of the MSHCP to be based on qualified science. For the City to continue to exercise this County MSHCP power unchecked with City home rule realities violates the many Constitutional provisions the Council has sworn to uphold and the sworn allegiance to the Council to the electorate in Murrieta.

The MSHCP was to be voluntary, incentive-based, non-regulatory and ultimately compensatory to landowners, using biologically based criteria, offering regulatory streamlining and full financial reimbursement to the landowner without coercion by government. The MSHCP, in fact, has become involuntary, regulatory, using geographically based criteria, and imposed a complicated regulatory process for development approvals overseen by a massive new Regional Conservation Authority with overlapping authority over local jurisdictions. The City can counter this process legally with responsible new Goals and Policies administered at the local level. N-8

The City administration of the MSHCP under RCA guidance has already gotten the Council into serious legal trouble when proper and responsible Goals and Policies would have deterred litigation.

Among some of the shortcomings of the County MSHCP, it does not provide substantial biological evidence to support the putative corridors alleged to be in areas such as Los Alamos Hills and other areas noted in the MSHCP located in Murrieta because it fails to:

1) Describe and evaluate the properties affected. The MSHCP never identifies the precise boundaries of the project area, or the sub-areas within the project area.
2) Use up-to-date and current information. The Environmental Management Study Habitat Conservation Plan is based on outdated and inaccurate scientific data, the RCA must update this not the landowner;
3) The MSHCP creates an onerous bureaucracy that makes the entitlement process more complex and lengthy and currently misunderstood and misapplied by City staff;
4) Includes an inadequate analysis of all economic impacts on future revenues based on the taking of valuable land off the governmental tax rolls;

Citizens for Quality Life in Murrieta-CQLM

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5) Adequately addresses and evaluates growth-inducing impacts of the MSHCP on areas outside the scope of the plan.

The MSHCP requires a lengthy review process through the HANS. Often times the way the City staff administers or mismanages the MSHCP, causing perhaps hundreds of thousands of misused dollars;(i.e. requiring CEQA studies for the Habitat Assessment and Negotiation Strategy (HANS) and new biology when none are required), the mandatory processes established in the Habitat Plan will exceed the deadlines set by the Subdivision Map Act, and Murrieta will be forced to circumvent the law in order to avoid triggering the mandatory processing deadlines of the Map Act. N-8

The Board of Supervisors approval of the MSHCP was arbitrary, capricious, entirely lacking in evidentiary support, and failed to conform to the procedures required by law, or otherwise constitutes a prejudicial abuse of their discretion and jurisdiction. Many large property owners were allowed out of the MSHCP because their lawsuits against the County would have doomed the MSHCP process. The County of Riverside threat to withhold Measure A funds from the City unless the city agreed to the MSHCP plan is beyond its authority and used bully tactics the Council should have stood up to. Now is the time for the Council to act and establish new policy to control the MSHCP.

These past Council shortcomings must not be duplicated in the City Draft General Plan document. N-9

In addition to the MSHCP shortcomings noted, above , there is another significant related impact and concern which should be analyzed in the General Plan EIR. The main criterion in CEQA is for public agencies to protect the environment and provide notice and information on negative impacts on the environment, built and un-built. The Murrieta 2035 EIR conspicuously neglects to analyze the future positive impact by the adoption of the General Plan Goals and Policies for the Los Alamos Hills Specific Plan submitted by CQLM. The Los Alamos Hills Specific Plan includes policies addressing infrastructure improvements. The infrastructure (water and roads) should provide a significant positive impact in the "keyhole" areas whose wells are being currently compromised by new development and the lack of sub regional water plans. These "keyhole" areas are not currently supported by any of the water districts and are nestled in the middle of high density residential areas surrounding their boundary. These positive impacts should be analyzed along with the negative impacts of sub regional agency water neglect. The city has not properly addressed all of the above concerns as its fiduciary responsibility to its citizens. N-10

Please respond to all of these concerns.

Establish City Goals and Policies in the Murrieta General Plan 2035 addressing the city's moral and legal obligation to protect Murrieta citizens.

Max Miller, Chairman

Mike O'Donnell, Co-chairman

Miller- Chairman
Mike O'Donnell- Co-Chairman
Gayle Vergara- Secretary
Shawn Horwitz- Recording Treasurer
MaryAnn Shushan Miller- Reporting Treasurer

N. RESPONSES TO COMMENTS FROM CITIZENS FOR QUALITY LIFE IN MURRIETA (CQLM), MAX MILLER, CHAIRMAN; MIKE O'DONNELL, CO-CHAIRMAN; GAYLE VERGARA, SECRETARY; SHAWN HORWITZ, RECORDING TREASURER; MARYANN SHUSHAN MILLER, REPORTING TREASURER; DATED MARCH 15, 2011.

N1. The City of Murrieta is fully complying with the requirements of the *California Environmental Quality Act* (*CEQA*), and will be preparing written responses to environmental comments provided to the City during the 45-day public review period. In compliance with *CEQA*, all public agencies will be provided written responses to their comments 10-days prior to certification of the Final EIR.

N2. The General Plan 2035 includes goals and policies to ensure that the City remains compliant with the Western Riverside Multi-Species Habitat Conservation Plan (MSHCP) and the Implementing Agreement. The General Plan 2035 does not propose any changes to how the MSHCP is implemented in the City.

N3. This comment will be forwarded to the Planning Commission and City Council for their consideration. The comment does not raise any issue with respect to the contents of the Draft EIR, or any environmental issue regarding the proposed project. Because the Commentator does not specifically comment on the Draft EIR or raise any other CEQA issue, no further response is necessary.

N4. The Commentators are offering personal opinion regarding the prohibition of threatened or endangered species "taking" on private property making the property undevelopable.

N5. The Commentators are offering personal opinion regarding the Western Riverside Multi-Species Habitat Conservation Plan (MSHCP) and its potential economic impacts on property owners.

N6. The comment identifies the MSHCP adoption date (and resolution number), and that it is intended to serve as both a Habitat Conservation Plan and Natural Community Conservation Plan.

N7. The Commentators are offering personal opinion that bad science was used to prepare the MHSCP.

N8. This comment will be forwarded to the Planning Commission and City Council for their consideration. The comment does not raise any issue with respect to the contents of the Draft EIR, or any environmental issue regarding the proposed project. Because the Commentator does not specifically comment on the Draft EIR or raise any other CEQA issue, no further response is necessary.

N9. This comment will be forwarded to the Planning Commission and City Council for their consideration. The comment does not raise any issue with respect to the contents of the Draft EIR, or any environmental issue regarding the proposed project. Because the Commentator does not specifically comment on the Draft EIR or raise any other CEQA issue, no further response is necessary.

N10. The objectives of *CEQA* are:

- To disclose to decision-makers and the public the significant environmental effects of proposed activities
- To identify ways to avoid or reduce environmental damage
- To prevent environmental damage by requiring implementation of feasible mitigation measures or alternatives
- To disclose to the public reasons for agency approval of projects with significant environmental effects
- To foster interagency coordination in the review of projects
- To enhance public participation in the planning process

The Draft EIR meets the objectives set forth in *CEQA*, and discloses potential impacts associated with the proposed project (General Plan 2035).

The General Plan 2035 is supportive of a Specific Plan for the Los Alamos Hills, and has identified the Los Alamos Hills as a focus area for policy change. However, no land use changes are proposed for the Los Alamos Hills area in the General Plan 2035.

Even though no land use changes are shown on the General Plan 2035 Land Use Policy Map (Draft EIR *Exhibit 3-2*), the Draft EIR does include future development potential (both residential and non-residential) for the Los Alamos Hills area. *Table 3-3*, *Focus Area Land Use Projections*, on page 3-28 of the Draft EIR provides land use projections for five focus areas where land use changes are proposed (North Murrieta Business Corridor, Clinton Keith/Mitchell, Golden Triangle North (Central Murrieta), South Murrieta, and Multiple Use 3 [MU-3]) and the two focus areas where policy changes are proposed (Historic Murrieta Specific Plan and Los Alamos Hills). *Table 3-3* identifies additional growth over existing conditions, and as such has projected an additional 828 dwelling units and 157,453 square feet of commercial uses for the Los Alamos Hills area.

EIRs are to document both negative and positive impacts associated with proposed projects. Given that no application has been filed with the City and no Specific Plan has been completed for the Los Alamos Hills area, there is no land use plan and no infrastructure plan developed at this time to use in the Draft EIR. The Draft EIR has provided environmental analysis based upon the available information at the time the document was prepared. The Draft EIR is not required to conduct speculative environmental analysis for unknown land uses or infrastructure.

While the Draft General Plan 2035 and Draft EIR assume no land use changes for the Los Alamos Hills area, additional development potential (both residential and non-residential) has been included and modeled for traffic, air quality, and noise. The impacts associated with that development potential have been analyzed throughout the EIR, and have disclosed impacts related to the Los Alamos Hills as applicable. Future environmental review for the Los Alamos Hills Specific Plan will be able to utilize and tier off the General Plan 2035 EIR.

COMMENT LETTER O

Citizens for Quality Life in Murrieta

35510 Los Alamos Rd. Murrieta, CA 92563
(951) 505-7428 www.CQLM.net

March 23, 2011

CITY OF MURRIETA
MAR 23 2011
RECEIVED
PLANNING DEPT

City of Murrieta
Greg Smith
1 Town Square
24601 Jefferson Ave.
Murrieta, CA 92562

Mr. Smith:

The Citizens for Quality Life in Murrieta are formerly requesting that the draft EIR include a study of the benefit to the City of Murrieta, the proposed Los Alamos Hills Community infrastructure will add. The Alamos Hills Specific Plan area intends to fund, by use of a funding mechanism, the needed infrastructure improvements for safety, health and aesthetics. O-1

In order for this study to be accurate, the boundaries must be mapped and included in the General Plan. The total number of present and future parcels and commercial/business park use, 1 DU per 2 ½ acre parcels including the transition area of mixed use for higher density, 1DU to the acre and 10 DU to the acre must be calculated. The Los Alamos Hills Historic Boundary includes the conservation area of the Murrieta Springs SP on the south and the commercial/ business park area fronting on Winchester Rd on the East. The staff should recommend to the council, that these boundaries be adopted. O-2

Once these boundaries have been mapped and included in the General Plan Draft, a computation can be made of the future density and the pro-rata shared cost for the infrastructure improvements. O-3

The estimated Cost analysis must be prepared, using an approved rural road standard, and cost data for all other infrastructure needs i.e. water and wastewater; electricity, Gas, Cable TV & High-Speed Data, storm drainage and solid waste. Also, included should be all funding mechanisms available for the infrastructure improvements. This cost study should be available for use in the Los Alamos Hills Specific Plan Document when it is completed and required in the EIR document .

These significant owner paid improvements resulting in property tax revenue and aesthetic value for these improvements and assets ,will add value to the City of Murrieta and should be analyzed. The City revenue created by these significant assets should not be lost by more MSHCP conservation from the Los Alamos Hills Specific Plan area. This analysis should be in the EIR prior to the GP adoption. O-4

Max

Cc: City Council, Planning Commissioners, and City Staff

Max Miller- Chairman
Mike O'Donnell- Co-Chairman
Gayle Vergara- Secretary.
Shawn Horwitz- Recording Treasurer
MaryAnn Miller- Reporting Treasurer

O. RESPONSES TO COMMENTS FROM CITIZENS FOR QUALITY LIFE IN MURRIETA (CQLM), MAX MILLER, CHAIRMAN; MIKE O'DONNELL, CO-CHAIRMAN; GAYLE VERGARA, SECRETARY; SHAWN HORWITZ, RECORDING TREASURER; MARYANN SHUSHAN MILLER, REPORTING TREASURER; DATED MARCH 23, 2011.

O1. Environmental Impact Reports (EIRs) are to document both negative and positive environmental effects associated with proposed projects. Given that no application has been filed with the City and no Specific Plan has been completed for the Los Alamos Hills area, there is no land use plan and no infrastructure plan developed at this time to use in the Draft EIR. The Draft EIR has provided environmental analysis based upon the available information at the time the document was prepared. The Draft EIR is not required to conduct speculative environmental analysis for unknown land uses or infrastructure, as stipulated in *CEQA Guidelines* Section 15145.

While the Draft General Plan 2035 and Draft EIR assume no land use changes for the Los Alamos Hills area, additional development potential (both residential and non-residential) has been included and modeled for traffic, air quality, and noise. The impacts associated with that development potential have been analyzed throughout the EIR, and have disclosed impacts related to the Los Alamos Hills as applicable. Future environmental review for the Los Alamos Hills Specific Plan will be able to utilize and tier off the General Plan 2035 EIR.

O2. As noted in Response O1, the General Plan 2035 does not propose land use changes for the Los Alamos Hills area. The Draft EIR has accurately analyzed impacts for the Los Alamos Hills area based upon the policy changes proposed in the General Plan 2035 and the assumptions for future development potential within the Los Alamos Hills area as described in Section 3.0, Project Description, of the Draft EIR.

With respect to the proposed boundary for the Los Alamos Hills Specific Plan, a formal application has not yet been submitted to the City. Thus, the General Plan 2035 does not include a definitive boundary, but instead identifies the area for a future specific plan, as shown on *Exhibit 3-1*, *Specific Plan Areas*. Only those areas with adopted Specific Plans have been shown on *Exhibit 3-1*. Upon adoption of a Specific Plan for Los Alamos Hills, *Exhibit 3-1* would be updated.

The acceptance of a boundary for the Los Alamos Hills Area is one that will be presented to the Planning Commission and City Council for their consideration.

O3. Refer to Responses O1 and O2. It is too speculative at this time to determine the infrastructure improvement costs within the future Los Alamos Hills Specific Plan area given that no land use changes are proposed within the General Plan 2035. In addition, it

is the City's policy that development pays its fair share of infrastructure costs. Those costs will be determined at the time the Specific Plan is prepared.

O4. *CEQA Guidelines* Section 15358(b) requires that effects analyzed in CEQA documents must be related to a physical change in the environment. Economic effects are not considered environmental effects under *CEQA*. The Commentator has requested a cost analysis be prepared for future infrastructure needs associated with a future Specific Plan for the Los Alamos Hills area. The type of analysis requested by the Commentator is not required for CEQA documents. In addition, as noted in Response O3, the infrastructure costs will be determined at the time the Specific Plan is prepared.

COMMENT LETTER P

City of Murrieta, California
City Council
Planning Commission
City Manager and Staff
1 Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

Good Evening,

I am Michael O'Donnell, a citizen of Murrieta and Co-Chairman of the Citizens for Quality Life in Murrieta. Two weeks ago, Larry Markham spoke to this Commission with regards to the "Regency" development not wishing to be a part of the Los Alamos Hills Specific Plan. I spoke to Larry after the meeting. He explained that the developers do not want to go through any more changes to their approved project, especially its design, and he thought the Specific Plan may cause this to happen. Once I ensured him that inclusion of their project in the boundary of the LAHSP would not require any changes to their project, he said they would support being part of the Los Alamos Hills Specific Plan. P-1

During the General Plan update, I have heard on many occasions from city staff in public meetings that the General Plan project is "on time." I have heard this so often that it makes it seem as if their primary focus and goal for this project is to be "on time." Instead, their focus must be to do the job right the first time so that we don't have to go back and correct mistakes later that could have been solved now. To do not slow down and do it right the first time, would be a terrible waste of resources, resources we simply do not have to waste. It is amazing how after all the time, effort and money that has been put into the Specific Plan by staff, citizens and council, the Los Alamos Hills area is still referred to as a "FOCUS" area in the General Plan. This must be corrected and the Specific Plan must be completed NOW, before its adoption by Council. P-2

Sincerely,

Michael O'Donnell – CQLM Co-Chairman
36560 Los Alamos Road
Murrieta, CA 92563

P. RESPONSES TO COMMENTS FROM MICHAEL O'DONNELL, CQLM CO-CHAIRMAN, LETTER PRESENTED TO PLANNING COMMISSION ON MARCH 23, 2011.

P1. The Commentator offers a statement regarding a conversation with Larry Markham regarding the Regency development project and potential inclusion in the future Los Alamos Hills Specific Plan area. This comment is acknowledged and will be provided to the Planning Commission and City Council for their consideration.

P2. The Commentator has stated that the Los Alamos Hills Specific Plan "must be completed NOW" before the General Plan 2035 is adopted by the City Council. No application has been filed with the City and no Specific Plan has been completed for the Los Alamos Hills area. However, the General Plan 2035 is supportive of a Specific Plan for the Los Alamos Hills, and has identified the Los Alamos Hills as a focus area for policy change (no land use changes), and includes five goals (Land Use Element Goal LU-19 through LU-23) specific to this area. Goal LU-19 calls for the preparation of a Specific Plan for the Los Alamos Hills area.

City of Murrieta, California
City Council
Planning Commission
City Manager and Staff
1 Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

Good evening. I am a 28 year resident of Los Alamos Hills and a member of Citizens for Quality Life in Murrieta.

For us, this mission didn't begin 18 months ago. I'm sure you're familiar with the axiom "gorilla in the room". Gentlemen, we are the gorilla in the City of Murrieta and we're not going away. Q-1

In the draft General Plan our area is addressed as a **FOCUS AREA**! With no defined boundary. Q-2

Prior to beginning this revision of the General Plan, our group was asked for "goals and policies" for our area. We submitted them with a general understanding that they would be addressed in the General Plan. Our specific goals and policies are not included. Q-3

We need a finalized Specific Plan. Our area is the only area in the City without one. What we're asking for is to have our goals and policies included in the General Plan to provide the framework for our completed Specific Plan. There is a draft Specific Plan that was shelved by City staff. The shelved plan represents hundreds of hours of work from the community participants, giving up their "spare" time, and paid city staff. We are providing community labor, research, and voice to finish this plan. Los Alamos HIlls wants to pay for and provide a valuable asset to the city, INFRASTRUCTURE, for fire safety, and property maintenance. We only need the staff to dig in, and facilitate this effort. We don't want a "handout" but a " hand up ". Q-4

Our area needs a defined boundary, addressing specific goals of zoning, sewer, water, fire safety and the MSHCP. Throughout the entire process we've been stonewalled and misled. We have addressed every excuse such as lack of funding and no staff time by doing as much research and document preparation among members and property owners. I repeat -- LOS ALAMOS HILLS IS A "FOCUS AREA" not a specific area included in the General Plan. Q-5

City staff believes they are at a point of completing this "assigned project"; however, the General Plan and EIR are incomplete documents. Q-6

Finally, we are asking that all areas of the City be specifically included in the draft General Plan and EIR, and for staff to complete it correctly. Q-7

Thank you for your time.

Mary Anne Lindsley
28369 Somerview Drive
Murrieta, CA 92563
951-677-2658
Citizen for Quality Life in Murrieta, Member

Q. RESPONSES TO COMMENTS FROM MARY ANNE LINDSLEY, MEMBER, CITIZENS FOR QUALITY LIFE IN MURRIETA, LETTER PRESENTED TO PLANNING COMMISSION ON MARCH 23, 2011.

Q1. The comment is acknowledged and will be provided to the Planning Commission and City Council for their consideration.

Q2. The General Plan 2035 identifies a total of seven focus areas; five of these areas include proposed land use changes while two areas include policy changes. The five focus areas where land use changes are proposed (North Murrieta Business Corridor, Clinton Keith/Mitchell, Golden Triangle North (Central Murrieta), South Murrieta, and Multiple Use 3 [MU-3]) and the two focus areas where policy changes are proposed (Historic Murrieta Specific Plan and Los Alamos Hills). Only the five focus areas proposed for land use changes have defined boundaries as shown on *Exhibit 3-4*, *General Plan 2035 Focus Areas*, in the General Plan 2035 Land Use Element.

Q3. CQLM did submit draft goals and policies to City staff for inclusion in the General Plan 2035. However, some of the goals and policies submitted by CQLM have not been included in the General Plan 2035 due to: 1) recommendation of specific land use changes, 2) conflicts with other goals and policies in the General Plan 2035, 3) duplicative goals and policies with ones in the General Plan 2035, or 4) not appropriate to include due to legal implications for the City. The remaining goals and policies are reflected in Goals LU-19 through LU-23 and their associated policies in the General Plan 2035 Land Use Element.

Q4. The General Plan 2035 is supportive of a Specific Plan for the Los Alamos Hills, and has identified the Los Alamos Hills as a focus area for policy change (no land use changes), and includes five goals (Land Use Element Goal LU-19 through LU-23) and related policies specific to this area. Goal LU-19 calls for the preparation of a Specific Plan for the Los Alamos Hills area. To date, no application has been filed with the City and no Specific Plan has been completed for the Los Alamos Hills area.

The comments regarding the need for a final Specific Plan and the need for staff to dig in and facilitate this effort are acknowledged and will be provided to the Planning Commission and City Council for their consideration.

Q5. With respect to the proposed boundary for the Los Alamos Hills Specific Plan, a formal application has not yet been submitted to the City. Thus, the General Plan 2035 does not include a definitive boundary, but instead identifies the area for a future specific plan, as shown on *Exhibit 3-1*, *Specific Plan Areas*. Only those areas with adopted Specific Plans have been shown on *Exhibit 3-1*. Upon adoption of a Specific Plan for Los Alamos Hills, *Exhibit 3-1* would be updated.

The acceptance of a boundary for the Los Alamos Hills Area is one that will be presented to the Planning Commission and City Council for their consideration.

Q6. The Commentator offers no specifics as to how the General Plan and EIR documents are incomplete.

Q7. The Commentator's request "that all areas of the City be specifically included in the draft General Plan and EIR" is unclear.

City of Murrieta, California
City Council
Planning Commission
City Manager and Staff
1 Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

March 23, 2011

Dear City of Murrieta Council, Manager, Staff and Commissioners,

Our family moved to the beautiful area of Murrieta in 1989 before the City even incorporated. We were attracted to the beauty of the area, and the "country" feel of the town. In the last 22 years, we have experienced first hand the growth in development and population of our City. Our first daughter has married and moved on, and we still have 3 children at home including a 5 year old. We plan to stay in Murrieta for many years to come. R-1

As the City is preparing the General Plan, we feel the need to share our comments and concerns as we have been here from the start, and have a vested interest in our City. We have been residents of the Los Alamos Hills area since 2006 and our recent focus has been within our own rural enclave. We do feel however, that the concerns we have with the current MSHCP policies, have a far reaching impact for our entire city, not just Los Alamos Hills. The City Staff seems to be pushing through the General Plan, while we believe that the City Council, Commissioners and Staff are still not fully educated regarding the MSHCP issues. R-2

We attended a workshop that was held on January 25, 2011 and listened to Council Members ask specific questions regarding MSHCP and the Los Alamos Hills area. Each of these questions are critical to the future of Los Alamos Hills, and for these questions to NOT be answered before a General Plan is accepted, is a slap in the face to the residents of this area. R-3

Citizens for Quality Life in Murrieta in particular has spear-headed the drive and funding to address the MSHCP issues, and to pick up the pieces of the Specific Plan the City put on the shelf years ago. We ask you now, as the leaders of our beautiful City, to pause long enough to seek the answers to our MSHCP questions, and address these issues accordingly in the General Plan before it is presented as final. R-4

I have attached a list of the questions I recorded from the workshop in January. As it would be fruitless to draft a plan while questions are still unanswered, we ask that City Staff to publicly answer these questions before the General Plan is pushed through. R-5

Sincerely,

Raul Vergara
Gayle Vergara

Raul Vergara
Gayle Vergara - CQLM Secretary
29675 Etienne Circle
Murrieta, CA 92563

January 25, 2011
CQLM notes from MSHCP Workshop with City of Murrieta & RCA
Questions raised from participants and attendees:

Maryann Miller requested 10/30/06 guide be given to CQLM from Mr. Landry of the RCA

Jim Kelley requested feedback on Goals & Policies for LAH submitted by CQLM for General Plan

McAllister @ Mr. Markum - Was life better before or after MSHCP?

McAllister @ Mr. Thomas - How much $$ from Measure A do we stand to lose, if we opt out of MSHCP?

Lane @ Landry - Does RCA have $$ to acquire land?

Lane @ Lanier - How much $$ have LAH residents paid for development fees?

Lane @ Lanier - How much $$ have been spent in LAH for infrastructure?

Lane @ Landry - Can the city opt out? What are the legal ramifications?

Lane @ Landry - If RCA does not have $$ to purchase, how does process work, how long does it take to be final?

Gibbs @ Landry - How long is time period for above question?

Gibbs @ Lanier - How much land is in Los Alamos Hills?

Gibbs @ Lanier - How much land in LAH is MSHCP (RCA) conservation land?

Gibbs @ Lanier - How much <u>more</u> land in LAH is wanted by MSHCP (RCA) for conservation?

Gibbs @ Lanier - How does Winchester 700 figure into this?

Gibbs @ Lanier - Once an offer of $$ is made, how does tax burden work for property owner?

Gibbs @ Lanier - Who pays for biological study of land?

McAllister @ Lanier - How/Why is TUMF funding effected?

McAllister @ Lanier - What is "standard" dedication of land of all projects?

Gibbs - Need to review history from 2003, what did city expect would happen? (Ask Seyarto)

R-5

R. RESPONSES TO COMMENTS RAUL VERGARA AND GAYLE VERGARA, SECRETARY, CQLM, LETTER PRESENTED TO PLANNING COMMISSION ON MARCH 23, 2011.

R1. Comment acknowledged. No further response is necessary.

R2. The General Plan 2035 includes goals and policies to ensure that the City remains compliant with the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP) and the Implementing Agreement. The General Plan 2035 does not propose any changes to how the MSHCP is implemented in the City.

R3. Comment acknowledged. No further response is necessary.

R4. Refer to Response R2.

R5. The Commentator attended a workshop on January 25, 2011 between representatives from CQLM, the City of Murrieta, and the Regional Conservation Authority (RCA), and has provided a summary of notes from that meeting.

The Western Riverside Multiple Species Habitat Conservation Plan (MSCHP) is discussed in both the General Plan 2035 and Draft EIR. The General Plan 2035 Conservation Element includes Goal CSV-8 and Policies CSV-8.1 through CSV-8.6 that address biological resources and the MSHCP. In addition, Draft EIR Section 2.7 incorporates by reference both the Western Riverside Multiple Species Habitat Conservation Plan and the Western Riverside Multiple Species Habitat Conservation Plan Final Environmental Impact Report/Environmental Impact Statement. Draft EIR Section 5.10 provides a summary of the Western Riverside Multiple Species Habitat Conservation Plan, the MSHCP Implementation Structure, and the Property Owner Initiated Habitat Evaluation and Acquisition Negotiation Strategy (HANS), as well as reviews potential impacts to biological resources associated with implementation of the General Plan 2035, as well as the General Plan 2035's consistency with the MSHCP.

COMMENT LETTER S

Citizens for Quality Life in Murrieta

35510 Los Alamos Rd. Murrieta, CA 92563
(951) 505-7428 www.CQLM.net

CITY OF MURRIETA
MAR 24 2011
RECEIVED
PLANNING DEPT.

March 23, 2011 REVISED 3-24-2011

City of Murrieta
Greg Smith
1 Town Square
24601 Jefferson Ave.
Murrieta, CA 92562

Mr. Smith:

The Citizens for Quality Life in Murrieta are formerly requesting that the draft EIR include an economic and public safety study of the benefit to the City of Murrieta from the proposed Los Alamos Hills Specific Plan (LAHSP) area. The LAHSP plan would implement the funding the needed infrastructure improvements for Public safety and health. S-1

In order for this study to be accurate, the boundaries must be mapped and included in the General Plan. The total number of present and future parcels of commercial/business park use, 1 DU per 2 ½ acre parcels including the transition area of mixed use for higher density, 1 DU to the acre and 10 DU to the acre must be calculated. The Los Alamos Hills Historic Boundary includes the conservation area of the Murrieta Springs SP or Winchester 700 on the south and the commercial/ business park area fronting on Winchester Rd on the East. The staff should recommend to the council, that these boundaries be adopted for revenue enhancement and conservation balance. S-2

1) The EIR should include an economic study of the amount of tax revenue base and revenue lost by the current and future, proposed MSHCP land acquisitions in the Los Alamos Hills Specific Plan Area. The number of parcels lost to development and taxation should be analyzed.

2) The EIR should include a cost analysis of the proposed LAHSP infrastructure to be funded through the LAHSP. This value will accrue to the city.

3) The EIR should include an economic study of the tax revenue generated by the LAHSP at full build out with the proposed infrastructure assurances and conservation having already been met to satisfy the MSHCP in the LAHSP area.

4) The LAHSP costs from low density du demand for public services versus high density du demand for public services and the related tax revenue surplus. S-3

The LAHSP goal for a self-paid infrastructure and satisfied MSHCP requirement will provide assurance and thus stimulus for owners in the LAHSP to improve and develop their properties. The result will be an elegant rural enclave, preserved historical area, and added public safety, a tribute to the city. This one time opportunity is too great to let pass. S-4

Max

Max Miller- Chairman
Mike O'Donnell- Co-Chairman
Gayle Vergara- Secretary.
Shawn Horwitz- Recording Treasurer
MaryAnn Miller- Reporting Treasurer

S. RESPONSES TO COMMENTS FROM CITIZENS FOR QUALITY LIFE IN MURRIETA (CQLM), MAX MILLER, CHAIRMAN; MIKE O'DONNELL, CO-CHAIRMAN; GAYLE VERGARA, SECRETARY; SHAWN HORWITZ, RECORDING TREASURER; MARYANN SHUSHAN MILLER, REPORTING TREASURER; DATED MARCH 23, 2011, REVISED MARCH 23, 2011

S1. Environmental Impact Reports (EIRs) are to document both negative and positive environmental effects associated with proposed projects. Given that no application has been filed with the City and no Specific Plan has been completed for the Los Alamos Hills area, there is no land use plan and no infrastructure plan developed at this time to use in the Draft EIR. The Draft EIR has provided environmental analysis based upon the available information at the time the document was prepared. The Draft EIR is not required to conduct speculative environmental analysis for unknown land uses or infrastructure, as stipulated in *CEQA Guideline*s Section 15145.

While the Draft General Plan 2035 and Draft EIR assume no land use changes for the Los Alamos Hills area, additional development potential (both residential and non-residential) has been included and modeled for traffic, air quality, and noise. The impacts associated with that development potential have been analyzed throughout the EIR, and have disclosed impacts related to the Los Alamos Hills as applicable. Future environmental review for the Los Alamos Hills Specific Plan will be able to utilize and tier off the General Plan 2035 EIR.

S2. As noted in Response S1, the General Plan 2035 does not propose land use changes for the Los Alamos Hills area. The Draft EIR has accurately analyzed impacts for the Los Alamos Hills area based upon the policy changes proposed in the General Plan 2035 and the assumptions for future development potential within the Los Alamos Hills area as described in Section 3.0, Project Description, of the Draft EIR.

With respect to the proposed boundary for the Los Alamos Hills Specific Plan, a formal application has not yet been submitted to the City. Thus, the General Plan 2035 does not include a definitive boundary, but instead identifies the area for a future specific plan, as shown on *Exhibit 3-1*, *Specific Plan Areas*. Only those areas with adopted Specific Plans have been shown on *Exhibit 3-1*. Upon adoption of a Specific Plan for Los Alamos Hills, *Exhibit 3-1* would be updated.

The acceptance of a boundary for the Los Alamos Hills Area is one that will be presented to the Planning Commission and City Council for their consideration.

S3. *CEQA Guidelines* Section 15358(b) requires that effects analyzed in CEQA documents must be related to a physical change in the environment. Economic effects are not considered environmental effects under *CEQA*. The Commentator has requested a cost analysis be prepared for future infrastructure needs associated with a future Specific Plan

for the Los Alamos Hills area. The type of analysis requested by the Commentator is not required for CEQA documents.

Refer to Responses S1 and S2. It is too speculative at this time to determine the infrastructure improvement costs within the future Los Alamos Hills Specific Plan area given that no land use changes are proposed within the General Plan 2035. In addition, it is the City's policy that development pays its fair share of infrastructure costs. Those costs will be determined at the time the Specific Plan is prepared.

S4. These comments are acknowledged and will be provided to the Planning Commission and City Council for their consideration.

12.5 WRITTEN COMMENT LETTERS AND RESPONSES FOR LETTERS RECEIVED AFTER CLOSE OF EIR PUBLIC REVIEW OR AT PUBLIC HEARINGS

Comment Letters

A total of 3 written agency comment letters were received following the close of the EIR public review period or submitted during the Planning Commission Hearings.

T. City of Menifee, letter dated May 9, 2011, received by City via mail dated May 11, 2011 and letter June 8, 2011, received by City via email June 8, 2011.

U. Pechanga Cultural Resources, letter dated June 8, 2011dated, received by City via email June 8, 2011.

CITY OF MENIFEE

Planning Department

Carmen Cave · Community Development Director

Wallace W. Edgerton
Mayor

Fred Twyman
Vice Mayor

John V. Denver
Councilmember

Darcy Kuenzi
Councilmember

Thomas Fuhrman
Councilmember

May 9, 2011

CITY OF MURRIETA
MAY 11 2011
RECEIVED
PLANNING DEPT.

Greg Smith
City of Murrieta
One Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

RE: Meeting Follow Up on Draft Environmental Impact Report for the Murrieta General Plan 2035

Dear Mr. Smith:

City of Murrieta Planning Staff met with City of Menifee Planning Staff on April 21, 2011. At that meeting we discussed the traffic study and impacts at Menifee Road and Scott Road and Antelope Road and Scott Road and there were a couple of outstanding issues on these two items. We are now responding to those outstanding items. T-1

The City of Murrieta had asked the City of Menifee whether or not we would support a dual left turn lane Scott Road (eastbound) to Menifee Road (northbound) as this may help to alleviate some traffic impacts at this intersection. Menifee Engineering staff has reviewed the planned improvements for the intersection of Scott Road and Menifee Road and has concluded that we would support the dual left turn lanes. The City Engineering staff has determined that we may be able to accommodate and should plan for dual left turns at all four legs of the intersection. T-2

The other issue of concern that the City of Menifee had was the exclusion of an analysis of traffic impacts to the intersection of Antelope Road and Scott Road. The City of Menifee's Traffic Engineer reviewed the EIRs prepared for the Loma Linda Hospital project to determine if the analysis in those documents would provide information on the existing levels of service and projected levels of service for the intersection of Antelope Road and Scott Road. The intersection analysis for Antelope Road and Scott Road for Project/Hospital Completion (Year 2013), including existing, project, growth and cumulative projects, indicated that the level of service for this intersection even with improvements would be D for both the a.m. and p.m. peak hours. This is of concern because the traffic analysis did not take into account the "Shops at Scott" (PP22946 – 87,700 sq. ft. commercial shopping center submitted to County of Riverside July 2007) or "The Junction" (PP22279 – 526,000 sq. ft. shopping center submitted to County of Riverside November 2006). With the inclusion of these two projects, the level of service for this intersection may be lower than what is indicated in the hospital traffic study. The City of Menifee T-3

29714 Haun Road
Menifee, CA 92586
Phone 951.672.6777
Fax 951.679.3843
www.cityofmenifee.us

believes the traffic study should be revised to provide an analysis of the intersection of Scott Road and Antelope Road. T-3

Sincerely,

City of Menifee Planning Department

Lisa Gordon, Senior Planner

CITY OF MENIFEE

Planning Department

Carmen Cave · Community Development Director

Wallace W. Edgerton
Mayor

Fred Twyman
Vice Mayor

John V. Denver
Councilmember

Darcy Kuenzi
Councilmember

Thomas Fuhrman
Councilmember

June 8, 2011

Greg Smith
City of Murrieta
One Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

RE: City of Murrieta General Plan Amendment No. 2009-2841 (General Plan 2035) and Final Environmental Impact Report

Dear Mr. Smith:

The City of Menifee Planning and Engineering Departments have reviewed the response to comments prepared in the Final EIR for the Murrieta General Plan and have the following comments on the Murrieta General Plan and FEIR. T-4

The City of Murrieta Planning Staff met with City of Menifee Planning Staff on April 21, 2011. At that meeting we discussed the traffic study and impacts at Menifee Road and Scott Road, and Antelope Road and Scott Road. There were a couple of outstanding issues on these two locations. A letter was sent to City of Murrieta Planning Staff on May 9, 2011 responding to those outstanding items. The City of Menifee also requested a subsequent meeting to discuss the comments in the May 9, 2011 correspondence. While this meeting has not yet occurred, we look forward to your cooperation moving forward. T-5

Issue #1: The City of Murrieta had asked the City of Menifee whether or not we would support a dual left turn lane Scott Road (eastbound) to Menifee Road (northbound) as this may help to alleviate some traffic impacts at this intersection. Menifee Engineering staff has reviewed the planned improvements for the intersection of Scott Road and Menifee Road and has concluded that we would support the dual left turn lanes. The City Engineering staff has determined that we may be able to accommodate and should plan for dual left turns at all four legs of the intersection. The response to comments from the FEIR, Page 12-53, does not reflect our discussion and indicate that the City of Murrieta would be providing the dual left turn lanes which could reduce traffic impacts. T-6

Issue #2: The City of Menifee had expressed concern about the exclusion of an analysis of traffic impacts to the intersection of Antelope Road and Scott Road. The City of Menifee's Traffic Engineer reviewed the EIRs prepared for the Loma Linda Hospital project to determine if the analysis in those documents would provide information on the existing levels of service and projected levels of service for the T-7

29714 Haun Road
Menifee, CA 92586
Phone 951.672.6777
Fax 951.679.3843
www.cityofmenifee.us

intersection of Antelope Road and Scott Road. The intersection analysis for Antelope Road and Scott Road for Project/Hospital Completion (Year 2013), which included existing, project, growth and cumulative projects, indicated that the level of service for this intersection, even with improvements, would be D for both the a.m. and p.m. peak hours. This is of concern because the traffic analysis did not take into account the "Shops at Scott" (PP22946 – 87,700 sq. ft. commercial shopping center submitted to County of Riverside July 2007) or "The Junction" (PP22279 – 526,000 sq. ft. shopping center submitted to County of Riverside November 2006). With the inclusion of these two projects, the level of service for this intersection may be lower than what is indicated in the hospital traffic study. The City of Menifee believes the traffic study for the General Plan should be revised to provide an analysis of the intersection of Scott Road and Antelope Road. T-7

The City of Menifee would also like to request that a policy be added to the North Murrieta Business Corridor Focus Area requiring all development projects within the Focus Area prepare a fair share funding analysis for the Scott Road and Interstate 215 Interchange. T-8

Please forward any subsequent environmental documents or public hearing notices regarding the project to my attention at 29714 Haun Road, Menifee CA 92586. I can be contacted at (951) 672-6777 or lgordon@cityofmenifee.us for meeting scheduling or any questions or comments. T-9

Sincerely,

City of Menifee Planning Department

Lisa Gordon, Senior Planner

T. RESPONSES TO COMMENTS FROM LISA GORDON, SENIOR PLANNER, CITY OF MENIFEE, DATED MAY 9, 2011 AND JUNE 8, 2011.

T1. The Commentator notes a meeting between the City of Menifee and the City of Murrieta on April 21, 2011 and that the City of Menifee is following up on items discussed at that meeting.

T2. At the April 21, 2011 meeting, the enhanced lane configuration for the Scott Road/Menifee Road intersection was discussed. The discussion reviewed Exhibit 5-9a (Draft General Plan 2035)/Exhibit 5-4-16a (Draft EIR) and the level of service (LOS) conclusions for the year 2035 shown in the corresponding tables, Table 5-7 (Draft General Plan 2035) and Table 5.4-12 (Draft EIR). The tables indicate that with the enhanced lane configurations that both the AM and PM peak hour level of service is E. The Draft EIR concluded this to be a significant unavoidable impact at this intersection, which the City of Menifee noted they do not favor. The discussion at the meeting was to explore additional improvements to further reduce the impact significance level, including the option of dual left-turn lanes on both the eastbound and westbound intersection approaches (on Scott Road); the Draft General Plan 2035 Circulation Element is proposing a single left-turn lane on the eastbound and westbound approaches. The Commentator notes that Menifee Engineering staff has reviewed and is supportive of this option.

Therefore, Exhibit 5-9a (Draft General Plan 2035) and Exhibit 5-4-16a (Draft EIR) along with the corresponding tables, Table 5-7 (Draft General Plan 2035) and Table 5.4-12 (Draft EIR) will be revised in the Final General Plan 2035 and Final EIR to reflect the option of dual left-turn lanes on the eastbound and westbound approaches to the Scott Road/Menifee Road intersection.

T3. The Commentator is restating a comment made by the City of Menifee in their comment letter dated March 24, 2011 on the Draft EIR that the City of Murrieta should analyze the impacts at the intersection of Scott Road and Antelope Road. Refer to Response H1. As noted in Response H1, this intersection was not one reviewed in the existing General Plan and the City did not elect to add an analysis of the intersection in the Draft General Plan 2035 or Draft EIR for the following reasons: 1) design work had been completed for the Scott Road/I-215 Interchange (approximately April 2010), and 2) environmental review, including a traffic study, was recently completed, thus, it was not necessary to reanalyze those future conditions. However, the future roadway conditions for the Scott Road/I-215 Interchange, including the Scott Road/ Antelope Road intersection were included in the General Plan 2035 Circulation Element model or the Draft EIR. In addition, three of the four corners of the intersection are within the City of Menifee boundaries (northwest, northeast, and southwest corners). The City of Murrieta does not concur with the City of Menifee's suggestion to analyze the Scott Road/Antelope Road intersection for the reasons identified above.

The Commentator goes on to note that the City of Menifee's Traffic Engineer reviewed the EIR prepared for the Loma Linda University Medical Center Murrieta project, specifically focusing on the existing and projected levels of service on the Scott Road/Antelope Road intersection. The Loma Linda University Medical Center Murrieta project has been accounted for in both the existing and 2035 scenarios for the Draft General Plan 2035 Circulation Element and Draft EIR.

It is important to note that the Supplemental EIR for the Loma Linda University Medical Center Murrieta project was certified by the City of Murrieta on September 9, 2008. The Supplemental EIR included four traffic mitigation measures that reduce project- and cumulative-related impacts to a less than significant level. The mitigation measures address on-site, area-wide (including improvements to Scott Road/Antelope Road intersection), safety and operational improvements, and roadway construction impacts.

As noted in Supplemental EIR Appendix 2, Traffic Impact Study page 2-3, the existing AM and PM peak hour traffic volumes for the study area intersections were based upon manual AM and PM peak hour counts compiled in April and August 2006, and January, March, and September 2007. The Scott Road/Antelope Road intersection was a study intersection in the Traffic Impact Study.

The cumulative projects reviewed in the Traffic Impact Study include those identified by Riverside County, the City of Murrieta, and the traffic consultant at the time the study was prepared (existing and cumulative conditions data was collected in 2006 and 2007). The list of cumulative projects is shown on Table 3-4 and illustrated on Exhibit 3-6 in the Traffic Impact Study. Two projects, previously in Riverside County and now in the City of Menifee, Menifee Shopping Center and Commerce Pointe, are accounted for in the study. The existing counts data and cumulative project list data was collected before the City of Menifee became an official City on October 1, 2008. Therefore, the two projects noted in the comment, the Shops at Scott and the Junction at Menifee Valley, had not been identified by Riverside County as cumulative projects at the time that Traffic Impact Study was prepared. It is not necessary to include these two projects in the traffic impact study for the Loma Linda University Medical Center Murrieta project given that the Supplement EIR was certified in September 2008. In addition, the hospital and medical office building have been constructed along with the necessary on-site and off-site improvements required as part of the Supplement EIR mitigation measures or conditions of approval.

As noted in Response H1, the Draft General Plan 2035 Circulation Element and Draft EIR is based upon the RivTAM model update, which was completed in 2008. Data was compiled by Riverside County, and included data collected in mid-2007 for the 2008 base year and projections for the 2035 SED (Socioeconomic Data). The RivTAM model did not include three recent project approvals by the City of Menifee: Commerce Pointe, Menifee Shopping Center, and Junction at Menifee Valley. EIRs were certified for all three projects in December 2008, July 2010, and November 2010, respectively. The

model also did not account for the Shops at Scott project. It is anticipated that the development anticipated for these four projects will be incorporated into the RivTam model when the City of Menifee prepares its first General Plan.

Information regarding the four aforementioned Menifee projects was not provided to the City of Murrieta in the Menifee NOP comment letter or as a follow up to the NOP comment letter to incorporate into the Murrieta General Plan Update traffic model for traffic analysis zones outside the City's corporate boundary and sphere of influence area. If the information was not in the RivTam model or provided by the City of Menifee, the City of Murrieta would not have knowledge of specific development projects outside its corporate boundary to include in a county-wide model.

T4. The Commentator states the City of Menifee reviewed the draft Comments and Responses in the Draft Final EIR on the City's website. The Draft Final EIR was made available for the Murrieta Planning Commission hearing on June 8, 2011. Final Comments and Responses will be mailed out to all commenting agencies prior to certification of the Final EIR by the City Council in compliance with *CEQA* Section 21092.5, including to the City of Menifee.

T5. The Commentator notes a meeting on April 21, 2011 with the City of Murrieta and the City of Menifee and a May 9, 2011 letter from the City of Menifee to the City of Murrieta (refer to Responses T1 through T3). In addition, the Commentator notes that the City of Menifee has requested a subsequent meeting to follow up on some items and to date that meeting has not been scheduled, but the City of Menifee looks forward to working cooperatively with the City of Murrieta. The City of Murrieta concurs with that sentiment, and also looks forward to about working collaboratively with the City of Menifee.

T6. With respect to the improvements proposed at the Scott Road/Menifee Road intersection in the Draft General Plan 2035 and Draft EIR, there is not a specific comment from the City of Menifee in its letter dated March 24, 2011 that warrants a written response. This topic was discussed at the April 21, 2011 meeting with the City of Murrieta and the City of Menifee. As noted previously in Response T2, the Commentator notes that Menifee Engineering staff has reviewed and is supportive of the option for dual left-turn lanes on the eastbound and westbound intersection approaches.

T7. Refer to Responses H1 and T3.

T8. This comment is acknowledged. However, the City of Murrieta will not be adding a policy to the General Plan 2035 Circulation Element regarding fair share funding for the Scott Road/Interchange 215 for all development projects within the North Murrieta Business Corridor Focus Area for the reasons noted below.

As noted in Response H1, Community Facilities District No. 05-8 of the County of Riverside was formed to construct the ultimate improvements to the Scott Road/I-215 Interchange and widen Scott Road from I-215 to SR-79 to 6 lanes. The improvements include a major upgrade to this intersection to expand the bridge crossing, add loops ramps, and size the overcrossing to handle anticipated traffic growth in Menifee and the other areas that use the Scott Road Corridor. The Scott Road/I-215 Interchange Improvement Project falls within the boundaries of the City of Menifee. Riverside County and the City of Menifee are working cooperatively on the environmental and design phases of the project. The City of Murrieta is not part of Community Facilities District No. 05-8.

However, the City of Murrieta is a party to a Memorandum of Understanding (MOU) with the County of Riverside regarding funding the Scott Road/I-215 interchange improvement projects, which was entered into on August 15, 2006 (a copy of the MOU is attached to this response). Item F of the Agreement specifies that the City of Murrieta's total contribution is $505,000, which is the City's full obligation for the project, with the payment requirements stipulated in Items A through C. Item G of the Agreement further specifies that contributions from the City of Murrieta "will not be required for any future ultimate interchange improvements as those improvements will be fully funded by a developer Community Facilities District."

T9. This comment is acknowledged. No further response is necessary.

Contract No. 06-07-005
Riverside Co. Transportation
1425

MEMORANDUM OF UNDERSTANDING BETWEEN THE CITY OF MURRIETA AND THE COUNTY OF RIVERSIDE FUNDING THE SCOTT ROAD/I-215 INTERCHANGE IMPROVEMENT PROJECTS

This MEMORANDUM OF UNDERSTANDING (hereinafter referred to as the "MOU"), is made and entered into this 15th day of August, 2006, by and between the COUNTY OF RIVERSIDE (herein "County") and the CITY OF MURRIETA (herein "City").

RECITALS

1. County intends to construct the Scott Road/I-215 Interchange Improvement Project, (the "Project") installing signals and performing ramp widening as an interim improvement to the future interchange at a total of construction cost of $2,272,680.

2. City has agreed to contribute twenty-five percent (25%) of the funding for that portion of the Project within the corporate boundaries of the City.

3. Of the total construction cost, approximately $250,000 pertains to the signal improvements at Haun and Scott Road, which is within the jurisdiction of the County. The remaining construction cost in which the City will participate is $2,022,680.00.

4. City has collected funds for the interchange improvements from the imposition of development impact fees; although said collections are currently insufficient to completely fund the City's portion.

5. The Parties wish to enter into this Memorandum of Understanding memorializing the City's agreement to participate in the funding of the Project.

AGREEMENT

NOW, THEREFORE, in consideration of the terms, covenants, conditions, and agreements set forth herein below, the County and the City agree as follows:

A. The City agrees to pay to County twenty-five percent (25%) of the funding of the project, excluding design and inspection/contract management costs, in the total amount of $505,000.

B. City agrees to forward to the County $100,000.00 (one hundred thousand dollars) within thirty (30) days of the date of the execution of this Agreement.

OCT 3 2006 3.26

C. County agrees to invoice City and City agrees to pay $50,000.00 (fifty thousand dollars) on a quarter-yearly basis, first payment to be made on October 1, 2006.

D. City will construct the interim intersection improvements of Scott Road and Antelope Road at no cost to the County.

E. City's sole participation in the Project shall be limited to the contribution funds.

F. City's contribution funds in the total amount of $505,000 is the City's full obligation for the project.

G. Contributions from the City will not be required for any future ultimate interchange improvements as those improvements will be fully funded by a developer Community Facilities District.

H. . County is lead agency on the project and shall prepare and obtain all environmental assessments, approvals and permits as required to proceed.

I. It shall be the intention of both the County and the City to complete the above projects as expeditiously as possible.

J. Each party hereto represents and warrants that it has full power to enter into this Agreement, and that the individual executing this Agreement on its behalf is fully empowered to bind it and fully authorized to enter this Agreement.

K. Each party represents and warrants that it is not assigned, encumbered or in any matter transferred all or any portions of the claims, causes or actions or other matters released by it herein.

L. Each party hereto acknowledges and agrees that the warranties and representations made by each party in this paragraph are each and essential a material term of this Agreement, without which the consideration herein would have been given by any of them.

IN WITNESS WHEREOF, the parties have executed and entered into this Agreement as of the date herein above set forth.

COUNTY OF RIVERSIDE

Bob Buster

Chairperson, Riverside County Board of Supervisors
Bob Buster

ATTEST:

Nancy Romero,
Clerk of the Board

Deputy

APPROVED AS TO FORM:

Joe S. Rank, County Counsel

CITY OF MURRIETA

Mayor, City of Murrieta

ATTEST:

City Clerk

City Attorney

FORM APPROVED COUNTY COUNSEL

SEP 2 0 2006

BY

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PECHANGA CULTURAL RESOURCES
Temecula Band of Luiseño Mission Indians

Post Office. Box 2183 • Temecula, CA 92593
Telephone (951) 308-9295 • Fax (951) 506-9491

Chairperson:
Germaine Arenas

Vice Chairperson:
Mary Bear Magee

Committee Members:
Evie Gerber
Darlene Miranda
Bridgett Barcello Maxwell
Aurelia Marruffo
Richard B. Scearce, III

Director:
Gary DuBois

Coordinator:
Paul Macarro

Cultural Analyst:
Anna Hoover

Monitor Supervisor:
Jim McPherson

June 8, 2011

VIA E-Mail and USPS

Mr. Greg Smith
City of Murrieta
Planning Department
1 Town Square, 24601 Jefferson Ave
Murrieta, CA 92562

Re: Pechanga Tribe Comments on the City of Murrieta General Plan Update Environmental Impact Report Mitigation Monitoring and Reporting Program

Dear Mr. Smith:

This comment letter is submitted by the Pechanga Band of Luiseño Indians (hereinafter, "the Tribe"), a federally recognized Indian tribe and sovereign government, regarding the above referenced Project. U-1

Thank you for inviting the Pechanga Tribe to actively consult and participate in the Murrieta General Plan Update. We have previously submitted comments to the City in response to consultation requests and the Draft Environmental Impact Report Notice of Availability (see letters in the Project file dated 12-30-10; 1-20-11; 3-22-11). The Tribe thanks the City for incorporating our requested changes into the EIR. While the Tribe was not sent a formal Response to Comments on the NOA for the DEIR, we have reviewed them online, along with the FEIR and the Tribe has one outstanding concern regarding the Mitigation Monitoring and Reporting Program (MMRP) pertaining to Cultural Resources. U-2

The FIER exhibits two Conditions relating to Cultural – defined as Archaeological, Historical and Paleontological, Resources. The Tribe is concerned that the conditions are not specific enough for each discipline, do not enforce the first goal of CEQA – preservation and protection in place, only address the last portion of the development project, and assume that all resources will be excavated; as such, the Tribe is concerned that this lack of specificity may cause potential conflict and confusion in guidance of future development projects. The Tribe understands that each project that is processed through the Planning Department, or other applicable Department such as Public Works, will be reviewed for CEQA involvement and that each project will receive specific conditions of approval and mitigation measures that pertain solely to that project however, the Tribe believes that the EIR does not provide adequate U-3

guidance for the review of these future projects. To that extent, we request that the following Condition be added and the existing condition be amended as follows (strikeouts are deletions and underlines are additions):

> CR-1: All future development projects shall be required to conduct a cultural resources study (archaeological, historical and/or paleontological) on a project-specific basis as determined by the City reviewer. The studies shall be carried out by Riverside County qualified consultants. Archaeological consultants shall consult with the appropriate Native American Tribe[1] prior to performance of field surveys. If cultural resources are encountered during the survey, the City shall require that the resources are evaluated for their eligibility for listing on the National Register, California Register and any City registers, in consultation with the appropriate Tribe. The qualified specialist, in consultation with the appropriate Tribe (based upon the nature of the find), shall determine whether additional excavations are warranted in which such activities shall be conducted per CEQA Guidelines. Any identified resources shall be avoided if feasible. Ground-disturbing activity in areas that have been determined to be culturally sensitive will be monitored by the appropriate Riverside County qualified specialist and the appropriate professional Native American Tribal representative.
>
> ~~CR-1~~CR-2: In the event that cultural resources (archaeological, historical, paleontological) are unearthed inadvertently during excavation and grading activities of any future development project, the contractor shall cease all earth-disturbing activities within a 100-meter radius of the area of discovery and shall retain ~~a~~ the appropriately qualified specialist, i.e. Riverside County qualified archaeologist, historian, architect, paleontologist, etc as well as the appropriate professional Native American Tribal monitor to evaluate the significance of the finding and appropriate course of action, which shall include preservation in place and avoidance as required by CEQA when feasible. If avoidance is not feasible, ~~S~~salvage operation requirements pursuant to Section 15064.5 of the CEQA Guidelines shall be followed. After the find has been appropriately mitigated, work in the area may resume. U-3
>
> ~~CR-2~~ CR-3: In the event that human remains are unearthed during excavation and grading activities of any future development project, all activity shall cease immediately. Pursuant to State Health and Safety Code Section 7050.5, no further disturbances shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If

[1] *It is anticipated that the Pechanga Tribe will be the "appropriate" Tribe due to their prior and extensive coordination with the City and due to its demonstrated cultural affiliation and prior designation of Most Likely Descendant within the City boundaries.

the remains are determined to be of Native American descent, the coroner shall within 24 hours notify the Native American Heritage Commission (NAHC). The NAHC shall then contact the most likely descendant of the deceased Native American, who shall serve as consultant on how to proceed with the remains. U-3

The Pechanga Tribe looks forward to continuing our pleasant working relationship with the City of Murrieta and to continue in protecting the invaluable Pechanga cultural resources found in the City boundaries. Please contact me at 951-770-8104 once you have had a chance to review these comments so that we might address the issues concerning the mitigation language. Thank you. U-4

Sincerely,

Anna M. Hoover
Cultural Analyst

cc: Pechanga Office of the General Counsel

U. RESPONSES TO COMMENTS FROM ANNA HOOVER, CULTURAL ANALYST, PECHANGA CULTURAL RESOURCES, DATED JUNE 8, 2011.

U1. The Commentator notes that the Pechanga Band of Luiseño Indians (the "Tribe") has submitted a comment letter regarding the proposed General Plan 2035 and Draft EIR as the federally recognized Indian tribe.

U2. The Commentator thanks the City of Murrieta for actively consulting with the Tribe during the Murrieta General Plan Update and EIR process. The Commentator notes that the Tribe has previously submitted three letters during the process and that the City has incorporated the Tribe's comments in the Plan and EIR. The Commentator also states that the Tribe reviewed the Draft Final EIR, which includes the Mitigation Monitoring and Reporting Program and the Comments and Responses, on the City's website prior to the Planning Commission Hearing on June 8, 2011. Included in the Draft Final EIR as the draft response to the Pechanga letter dated March 22, 2011, which was received by the City during the Draft EIR 45-day public review period (Refer to Comment Letter E and Responses). The Commentator indicates the Tribe has a concern regarding the cultural resources mitigation measures cited in the Mitigation Monitoring and Reporting Program (refer to Response U3).

U3. The City acknowledges the Tribe's comment regarding the inclusion of additional guidance in the EIR regarding future review of development projects and cultural resources on the project sites.

The Tribe has recommended a new Mitigation Measure CR-1 and renumbering the existing Mitigation Measures CR-1 and CR-2 to CR-2 and CR-3, respectively. The City acknowledges the spirit and intent expressed by the Tribe in their proposed Mitigation Measure CR-1. Subsequent to receipt of this comment letter, the City of Murrieta met with the Tribe on June 30, 2011. That meeting included a discussion regarding the intent and language for the proposed Mitigation Measure CR-1. Draft language was reviewed and agreed upon by the City and the Tribe, as shown below, and will be included in the Final EIR.

The mitigation measures related to Cultural Resources will be revised as follows in Final EIR Section 1.0, Section 5.9, and Section 11.0.

CR-1	Future development projects shall continue to be evaluated for cultural resources by the City of Murrieta through review by the Eastern Information Center (EIC) and notification of and consultation with the local tribes for new entitlement projects. The projects shall be evaluated for compliance with the California Environmental Quality Act (CEQA) and where feasible, avoidance of cultural resources. If, following review by the EIC and/or tribal consultation, it is determined that there is a

	potential for impacts to cultural resources, further cultural resources analysis by a qualified professional(s), as defined in Mitigation Measure CR-2, may be required by the City.
CR-~~1~~2	In the event that cultural resources (archaeological, historical, paleontological) resources are inadvertently unearthed during excavation and grading activities of any future development project, the contractor shall immediately cease all earth-disturbing activities within a 100-~~meter~~foot radius of the area of discovery~~ and shall retain a qualified archaeologist to evaluate the significance of the finding and appropriate course of action~~. If not already retained due to conditions present pursuant to Mitigation Measure CR-1, the project proponent shall retain a qualified professional (i.e., archaeologist, historian, architect, paleontologist, Native American Tribal monitor), subject to approval by the City of Murrieta to evaluate the significance of the find and appropriate course of action (refer to Mitigation Measures CR-1 and CR-3). If avoidance of the resources is not feasible, s~~S~~alvage operation requirements pursuant to Section 15064.5 of the CEQA Guidelines shall be followed. After the find has been appropriately avoided or mitigated, work in the area may resume.
CR-~~2~~3	In the event that human remains are unearthed during excavation and grading activities of any future development project, all activity shall cease immediately. Pursuant to State Health and Safety Code Section 7050.5, no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner shall within 24 hours notify the Native American Heritage Commission (NAHC). The NAHC shall then contact the most likely descendant of the deceased Native American, who shall serve as consultant on how to proceed with the remains.

U4. This comment is acknowledged. No further response is necessary.

the future of southern california
Murrieta
General Plan Update

Section 13.0

Errata for Final EIR

13.0 ERRATA FOR FINAL EIR

Text changes have been made to the following pages. These revised pages modify those in the Draft EIR. In addition, all relevant changes made to the Final General Plan 2035 as a result of comments on the Draft General Plan 2035, or Planning Commission and City Council direction, will be incorporated in the Final EIR.

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Economic Development Foundation for General Plan Update

Prior to commencing the comprehensive update to the City's General Plan, the City Council undertook a number of steps that lead to Council's determination that economic development is the City's number one priority and how that priority would serve as the foundation for the General Plan Update.

February 2008

The City Council authorized a sub-committee of the Council, comprised of two Council members, to evaluate a land use strategy benefiting the City's economic future. The Land Use Sub-Committee's directive was to meet with staff (City Manager, Planning Director, and Economic Development Director) to discuss the City's long-term economic opportunities, to determine if land uses and development standards should be amended to meet the City's economic objectives for the generation of revenue and the promotion of jobs.

October 2008

The City Council put in place Murrieta's first Comprehensive Economic Development Strategy (refer to Appendix U), which established economic development as the City Council's number one priority. The strategy is intended to diversify the City's economic base through three key purposes: 1) to serve as a roadmap for public and private actions to stimulate economic development, 2) encourage growth and diversification of the local economy, and 3) to promote the creation of higher pay jobs, income, and wealth in the community. The Strategy articulates a 20-year vision that includes both short-term and long-term actions, along with the following vision statements:

- *Murrieta to become diversified retail, corporate, and business hub for the region, offering high quality development, safe environment, and outstanding quality of life.*

- *Murrieta will become home to technologically advanced firms, higher educational facilities, wide variety of national and upscale retail, sit-down restaurants, quality hotels and new specialty auto dealerships, and a revitalized Historic Downtown.*

December 2008

A City Council workshop was conducted presenting the recommendations of the Land Use Sub-Committee and directed staff to return to the City Council with a work program and budget. The Land Use Sub-Committee determined that as land for office and research and development opportunities becomes saturated in the greater San Diego area, the City of Murrieta will provide the land for the next wave of development expansion. One intent of

the general plan update is to place Murrieta in a positive position, so that when economic conditions improve, the City will be prepared to embrace that development expansion. The Land Use Sub-Committee was very sensitive to the desire to have a comprehensive update to the City's General Plan in place for the 2010/11 market. The City's first General Plan was adopted in 1994 and presented a low-intensity suburban vision that is not necessarily consistent with the economic strategy currently contemplated.

The Sub-Committee recommended the primary focus of land use considerations in the General Plan Update be those areas that have the greatest potential to accept the next wave of economic expansion, including 1) Antelope Corridor (primarily east side of I-215 to Meadowlark Lane, and from Scott Road to Clinton Keith Road); 2) South Murrieta Business Corridor (generally from I-15 east to Jefferson Avenue and from Murrieta Hot Springs to the southerly City limits); 3) Murrieta Hot Springs North (generally between I-15 and I-215, between Murrieta Hot Springs and Los Alamos Roads).

April 2009

Staff gave a presentation to the City Council regarding the potential work program for comprehensive update to the General Plan, Zoning, and Development Code. The presentation identified three key questions related to Murrieta's Long-Term Vision: 1) Is it good for the City?, 2) Does it produce jobs?, and 3) Does it generate revenue?

June 2009

The City issued a Request for Proposal (RFP) for the Comprehensive General Plan Update, Redevelopment Area Land Use Analysis and Environmental Impact Report to prospective consultants. Section II of the RFP reiterates the City's focus on economic development for the general plan update.

The Murrieta City Council has designated Economic Development as its Number One Priority. The City has recently established its first Comprehensive Economic Development Strategy, which spells out the City's 20 year vision for Murrieta as a diversified business hub for Southwest Riverside County and neighboring North San Diego County. The Strategy seeks to encourage private sector investment in the creation of higher paying jobs, income, and wealth in Murrieta through economic diversification. Murrieta is seeking a full range of quality new development, including retail centers, which are anchored by department stores, national and lifestyle retailers, corporate/technology parks, hotels, and upscale restaurants. Murrieta is promoting itself, on a long term basis, as the home of technogically-advanced firms and higher educational facilities, including healthcare, medical facilities and services, software companies, engineering companies, medical device companies, biotechnology firms, defense contractors, research and development operations, green-tech, and light manufacturing. During the current economic downtown, the City is focused on creating the foundation for its future economic

prosperity through public investments in its infrastructure and by adopting General Plan policies and Development Code regulations which promote the development of shovel ready sites.

In conclusion, the City Council established a Comprehensive Economic Development Strategy in October 2008, making economic development of Murrieta the number one priority for the City. The Strategy served as one of the key factors to initiate the comprehensive General Plan Update.

3.3 STATEMENT OF OBJECTIVES

The City of Murrieta's objectives for the General Plan 2035 are as follows:

- Focus policy direction on economic development and establishing the City as a diversified and strong economic base.
- ~~Update the City's environmental baseline (i.e., existing) conditions to the year 2009.~~
- ~~Update the General Plan development projections for the year 2035, including projections for dwelling units, non-residential square footage, population, and employment.~~
- Provide new goals and policies to address future development and growth within the City.
- Provide comprehensive and concise land use designations that better reflect the land use vision for the City.
- Update the City's environmental baseline (i.e., existing) conditions to the year 2009.
- Update the General Plan development projections for the year 2035, including projections for dwelling units, non-residential square footage, population, and employment.
- ~~Focus policy direction on economic development and establishing the City as a diversified and strong economic base.~~
- Provide goals and policies to address the connections between health and the physical, social, and economic environment.
- Incorporate sustainability goals and policies to balance current demands with future demands as they pertain to the environment, economy, and social equity.
- Provide a basis for informative decisions when considering the 2035 development associated with implementation of the General Plan 2035 in the City of Murrieta.
- Conform with *CEQA* Section 21000 et seq., which requires that environmental impacts be addressed and mitigated.
- Provide a legally defensible environmental foundation upon which discretionary actions may be evaluated.

3.5.2 FOUNDATION FOR THE GENERAL PLAN 2035

Before starting the General Plan 2035, the Murrieta City Council identified economic development as the City's top priority. To support that priority, the City Council established a Comprehensive Development Strategy presenting the 20-year vision that Murrieta will be a diversified business hub for Southwest Riverside County and North San Diego County.

The General Plan 2035 presented an opportunity to get the community involved in setting direction for Murrieta. Workshops, surveys, and other participation opportunities during the planning process prompted community members to articulate their hopes for the future, provide direction on land use, suggest goals, and review draft documents. This community input was translated into the following ten community priorities that describe the vision that members of the public provided for the future of their community, which guided the goals and policies in the General Plan.

Natural Environment	*Protect the natural beauty of the mountains, hills, and waterways.*
Rural Areas	*Preserve elements of Murrieta's rural heritage.*
Community Character	*Protect and foster a strong sense of community and safety, as well as the "small~~home~~ town" feeling.*
Recreation and Culture	*Provide abundant parks and facilities for recreational activities, and cultural amenities.*
Historic Downtown Murrieta	*Create a vibrant, prosperous Historic Downtown that serves as a community center and provides a variety of quality shopping and dining experiences.*
Governance	*Promote community involvement and provide for a fiscally sound future.*
Sustainable Economy	*Pursue economic vitality and longevity by attracting higher education and growing a base of clean industry, while maintaining the current housing affordability.*
Transportation	*Improve roadway networks to reduce traffic, and provide a citywide system of bicycle lanes and recreational trails that improve accessibility without a car.*

Infrastructure and Services	*Improve health care within the City, and continue to provide excellent school, police, fire, library, and recreation services.*
Youth Amenities	*Provide ample activities for all ages of youth, and jobs for teens.*

Natural Environment – Protect the natural beauty of the mountains, hills, and waterways.

Community members value the natural beauty and clean air of Murrieta. They listed mountains, hills, and waterways as treasures, with several calling out the Santa Rosa Plateau in particular. Participants cited open space as a treasure, and participants including youth expressed that natural areas should be retained in the future.

Participants cautioned that preservation would need to be balanced with development and the need to prevent flooding around waterways. Participants also expressed concerns about interference with property rights.

A workshop group that focused on open space and trails cited several benefits of quality of life, property values, sense of community, recreation, and wildlife preservation. This group suggested that connections between open space should be designed to work for people as well as for wildlife, and proposed a park with trails along the river from Wildomar to Temecula; they also suggested removing cement from the riverbed to allow groundwater recharge.

Rural Areas – Preserve elements of Murrieta's rural heritage.

Community members value the small town~~rural~~ feel around Murrieta, although they want the preservation of rural areas to be balanced with urban growth. Workshop participants also expressed a need for additional infrastructure in rural areas, such as roads, water, and sewer.

There were several different components of this "small town~~rural~~" character that participants valued. Some wanted a feeling of openness, space, and country landscapes. Others cited the freedom to keep animals, ride horses, and grow food—or to have more privacy.

Residents in the Los Alamos area offered visions for their neighborhood that sought these types of rural elements, as well as large lot sizes and limited regulation, while providing more urban infrastructure.

Other participants suggested maintaining a small town~~rural~~ feel by using elements such as split-rail fences, swales instead of curbs, greenways, and trails. One workshop group suggested ensuring compatible land uses near rural and agricultural areas. A survey participant proposed a living farm museum.

Community Character – Protect and foster a strong sense of community and safety, as well as the "small~~home~~ town" feeling.

Community members described Murrieta as safe, and placed importance on keeping it that way. Participants felt that Murrieta was good for families and wanted the community to be a safe, healthy environment for children in the future. Teens strongly valued the safety and sense of community they felt in Murrieta.

Residents expressed that Murrieta had a small town feel and sense of community. They valued community events and considered other people in Murrieta to be an asset.

Participants, including teens, referred to Murrieta as "clean," adding suggestions for more trees or landscaping, and image improvement. Participants expressed a desire for Murrieta to have a distinct identity.

Recreation and Culture – Provide abundant parks and facilities for recreational activities, and cultural amenities.

Many comments related to recreation and culture. Community members value parks and outdoor activities. Suggestions for additional recreational facilities included a dog park, aquatic facility, and a skating rink. One workshop group suggested building a campground and also suggested that volunteers could contribute to recreation, for instance through an "adopt a trail" program.

Participants expressed a need for more dining and night life in Murrieta. Others hoped for more arts and culture events and facilities, such as a concert hall. One workshop group wanted to see cultural amenities that would attract residents aged 18-30.

Historic Downtown Murrieta – Create a vibrant, prosperous Historic Downtown that serves as a community center and provides a variety of quality shopping and dining experiences.

Participants placed importance on Murrieta's historic downtown and Town Center, describing their envisioned downtown as "magical," "bustling," "prosperous," and "vibrant." They valued the historic character of downtown and suggested street lights and windmills as enhancements.

Sustainable Economy – Pursue economic vitality and longevity by attracting higher education and growing a base of clean industry, while maintaining the current housing affordability.

Community members expressed a desire for economic development that would lead to more jobs, including high-paying jobs and jobs for teens and fully occupied retail centers. Participants hoped to see development in the Golden Triangle. They noticed local signs of the economic downturn, expressing concerns about commercial vacancies, foreclosures, and lower housing

3.5.3 CONTENTS OF GENERAL PLAN 2035

The General Plan 2035 includes the legally required elements for a General Plan, as well as some optional components that the community feels it is important to address. Once adopted, the optional elements have the same legal status as the mandatory elements. Each chapter of the General Plan has a specific purpose and focus as described below. Together, they present a consistent policy platform as required by law. No single element or subject supersedes any other, and all are internally consistent.

INTRODUCTION

The Introduction explains the purpose and contents of the General Plan, including how to use the General Plan, its relationship to California law, ~~and~~ the planning process that was followed for the General Plan 2035, and the community priorities that shaped the General Plan goals and policies..

VISION

The Vision chapter provides the context for the General Plan, including ~~background on Murrieta,~~ major policy initiatives behind the General Plan 2035~~, and the community priorities that shaped the General Plan goals and policies~~.

LAND USE ELEMENT

The Land Use Element establishes the anticipated patterns of development activity and land use that support, implement, and enhance the City's future vision. The Land Use Element will provide the primary guidance in the way Murrieta develops and redevelops over the next 25 years. It will serve as the City of Murrieta's primary policy guidance tool for land use decision-making and expresses the type, intensity, and general distribution of land uses. Parameters and desired locations for land uses such as residential, commercial, industrial, civic/institutional, parks, and open space are mapped and described.

ECONOMIC DEVELOPMENT ELEMENT

The Economic Development Element identifies current economic development conditions and demonstrates how the land use plan will promote business activity and employment growth within the City, consistent with the priorities identified by City leaders and the community. The Economic Development Element establishes goals and policies to promote fiscal stability, expand the City's employment base, and enhance the City's revenues in order to provide quality services to the community.

Background

The catalysts for reevaluating the land uses are the Crossroads Corporate Center and the Rancho Springs Medical Center. Portions of this area have been developed, but the remainder is vacant or occupied with single-family homes or small businesses on the properties.

Vision

The Golden Triangle North (Central Murrieta) Focus Area is intended to:

- Provide a mix of Multiple-Family Residential, Commercial, and Office and Research Park uses.
- Become an office and technology park employment center with some areas reserved for commercial uses.
- Provide office and research park uses in Central Murrieta north of I-215, east of Los Alamos Road, and generally west of Hancock Avenue to support the Rancho Springs Medical Center and complement the Crossroads Corporate Center.
- Provide shopping opportunities to support the employment uses in the Focus Area, as well as for the community.
- Eliminate the MU-1 general plan designation and redesignate those areas in the General Plan as either Multiple-Family Residential, Office and Research Park, or Commercial.

The Office and Research Park uses have the potential to support the Rancho Springs Medical Center, as well as provide opportunities for a range of technology and research uses. It is anticipated that buildings height for the Office and Research Park uses could range in height up to a maximum between five and ten stories.

The Commercial uses have visibility from the I-15 freeway as well as close proximity to surrounding residential and employment uses; thus providing both local and regional access to the shopping centers.

New development anticipated in this Focus Area under the General Plan 2035 includes an additional 244,872 square feet of commercial uses and 2,193,678 square feet of office and research uses.

SOUTH MURRIETA BUSINESS CORRIDOR

Location

The South Murrieta Business Corridor encompasses approximately 201 acres and is located west of Interstate 15, extending to Adams Avenue to the west and south of Murrieta Hot Springs

Road to the southern City boundary.

Background

The catalyst for reevaluating the land uses is the Murrieta Education Center, which introduces Class A office buildings to the area. Properties considered for land use changes are primarily vacant or underutilized.

Vision

The South Murrieta Business Corridor Focus Area is intended to:

- Create a signature look as the southern gateway into the City.
- Provide a mix of Office and Research Park, Business Park, and Industrial Uses.
- Become a major employment center in the southern part of the City.
- Provide additional opportunities for Class A office buildings.
- Maintain the Business Park designation to promote and intensify the uses along the Jefferson Avenue corridor.
- Eliminate the MU-2 general plan and zoning designations and redesignate those areas in the General Plan as either Office and Research Park or Business Park.

The Office and Research Park uses will be primarily located west ~~south~~ of the I-15 freeway, south ~~east~~ of Guava Street, east ~~north~~ of Madison Avenue, and north ~~west~~ of Elm Street. The buildings heights in this area could range in height up to a maximum of five to six stories.

The Business Park and Industrial uses will occupy the remainder of the Focus Area. The maximum buildings heights would be consistent with existing business park and industrial uses, ranging from two to three stories.

New development anticipated in this Focus Area under the General Plan 2035 includes an additional 3,126,582 square feet of office and research uses and 2,393,221 square feet of business park uses.

MULTIPLE USE AREA 3 (MU-3)

Location

The MU-3 area encompasses approximately 201 acres, and is primarily located on the west of Interstate 15.

Table 3-3
Focus Area Land Use Projections

Focus Area	Acres	Residential	Commercial	~~Professional and~~ Office and Research Park	Business Park	Industrial	Civic/ Institutional
North Murrieta Business Corridor	816.21		1,672,846	7,666,185			
Clinton Keith/Mitchell	279.56	869	265,155	1,045,404			
Golden Triangle North (Central Murrieta)	218.16		244,872	2,193,678			
South Murrieta Business Corridor	580.49			3,216,582	2,393,221		
Multiple Use 3 (MU-3)	201.34	1,137	800,710	434,336	291,802		2,028
Historic Murrieta Specific Plan	250.00	512	521,413	251,102			
Los Alamos	TBD	828	157,453				
Total	2,345.76	3,346	3,662,446	14,807,287	2,685,023	0	2,028

The anticipated growth in residential and non-residential uses over year 2009 conditions within the Focus Areas is:

- Addition of 3,346 dwelling units
- Addition of 21,156,784 square feet of non-residential uses

3.5.8 GENERAL PLAN BUILDOUT

Although the General Plan 2035 focuses growth within the Focus Areas, it is anticipated that additional growth would occur within the City outside of these areas. Citywide growth, including the Focus Areas, is anticipated as follows:

- Addition of 10,734 dwelling units
- Addition of 36,210,757 square feet of non-residential uses

Table 3-4, *General Plan 2035 Buildout*, provides a summary of the anticipated development conditions through buildout. The values include the additional growth anticipated with the General Plan 2035, including the Focus Areas, as presented in *Table 3-3*.

Table 3-4
General Plan 2035 Estimated Buildout

Land Use Designations	Acres	Dwelling Units	Square Feet
Residential			
~~Rural~~ Large Lot Residential	3,126.87	977	
Single-Family Residential	6,517.17	31,581	
Multiple-Family Residential	611.20	11,379	100,000
Non-Residential			
Commercial	1,335.03		18,683,477
~~Professional and~~ Office and Research Park	1,376.94		16,465,371
Business Park	823.40		11,403,714
Industrial	108.69		1,498,300
Civic/Institutional	999.14		1,168,369
Other Land Uses			
Mixed Use	42.70		853,913
Parks and Open Space	3,220.85		16,508
Roads	3,348.69		
TOTAL CITY ONLY	21,510.68	44,484	50,189,652
Sphere of Influence	5,340.95		
TOTAL WITH SPHERE OF INFLUENCE	26,851.63		

In total, these efforts are anticipated to result in following scenario at buildout:

- 44,484 residential dwelling units; and
- 50,189,652 square feet of non-residential uses.

3.5.9 LAND USE DESIGNATIONS

State General Plan law requires the Land Use Element to indicate the standards for building intensity (i.e., residential densities and non-residential building intensities) allowed in the City. Land use designations describe the type and intensity of development allowed in a given area. While terms like "residential," "commercial," or "industrial" are generally understood, State General Plan law requires a clear and concise description of the land use categories that are depicted on the General Plan Land Use Policy Map (*Exhibit 3-2*).

The proposed land use designations have been modified to reflect more generalized land use categories. The City's Zoning Map will identify the detailed zoning designations that correspond and implement the land use plan. The City's Development Code will be updated following adoption of the General Plan 2035 to reflect the new land use designations and associated zoning designations.

The Land Use Element and General Plan Land Use Policy Map contain the following land use designations.

RESIDENTIAL LAND USE DESIGNATIONS

The City of Murrieta provides a range of housing types to meet the varying needs of its residents. The following residential land use designations are established for the General Plan 2035.

Large Lot~~Rural~~ Residential (0.14 – 1.0 du/ac)

Rural Residential provides for very-low density residential development on land that may have limited access to urban services. Typical development consists of single-family detached housing and accessory buildings, often with the keeping of horses and other farm animals and/or small agricultural plantings.

Single-Family Residential (1.1 – 10.0 du/ac)

Single-Family Residential provides for traditional single-family detached and attached housing. Typical development consists of a single-family detached home for each legal lot. The Single-Family Residential designation also provides for small lot development such as zero lot line.

Multiple-Family Residential (10.1 - 30 du/ac)

Multi-Family Residential provides for attached and detached apartments and condominiums. Typical development consists of townhomes, condominiums, apartments, senior housing, and stacked flats. Multiple-Family Residential encourages the development of integrated projects that provide complementary open spaces and amenities on-site.

Base Land Use Density

The base land use density refers to the maximum number of units per acre permitted under the corresponding zoning district. The base density for the Rural Residential category is 1 unit per acre. The base densities for the Single-Family Residential and Multiple-Family Residential categories are 10 units per acre and 30 units per acre, respectively.

Housing Affordability Bonus

The City provides for the development of affordable housing for lower-income households through its affordable housing density bonus program in accordance with State law. The specific provisions of the affordable housing density bonus program are outlined in the City's Development Code. When utilizing the affordable housing density bonus program, the allowable

- Prohibit structures that are determined to be a "hazard" by the Federal Aviation Administration within the Riverside County Airport Land Use Compatibility Plan.
- Monitor legislation and regulations established by the Riverside County Airport Land Use Commission.

LU-25.9 Work closely with the Riverside County Airport Land Use Commission and other involved agencies in the development and review of the French Valley Airport Land Use Plan and other planning and environmental studies.

LU-25.10 Submit tentative tract maps and parcels maps to the Riverside County Airport Land Use Commission for consistency review. This is applicable to properties designated as Large Lot Residential and Single-Family Residential in the General Plan and that are located within Compatibility Zones C and D in the French Valley Airport Land Use Compatibility Plan.

LU-25.11 Submit commercial development and places of assembly to the Riverside County Airport Land Use Commission for consistency review with the applicable average and single-acre population intensity limits in the French Valley Airport Land Use Compatibility Plan for properties within Compatibility Zones B1, C, and D.

LU-25.12 Require new development that is 10 acres or larger in area shall incorporate open space area in compliance with the Riverside County Airport Land Use Compatibility Plan Section 4.2.4 and in compliance with the applicable compatibility zones requirements in the French Valley Airport Land Use Compatibility Plan.

DEVELOPMENT IN ADJACENT JURISDICTIONS

Goal LU-26 The City understands that development on lands adjacent to the City's corporate boundary can profoundly affect Murrieta residents and businesses.

Policies

LU-26.1 Cooperate with other jurisdictions in developing compatible land uses on lands adjacent to, or near, the City's corporate boundaries to minimize significant impacts and potentially benefit residents, businesses, and/or infrastructure systems in Murrieta.

LU-26.2 Monitor planning and environmental assessments for development projects in adjacent jurisdictions and participate in public hearings for the projects.

CODE ENFORCEMENT

Land Use designations of the proposed General Plan 2035 are listed and discussed in brief below. Refer to Section 3.0, Project Description, for a fully detailed description of proposed land use designations.

Residential Land Uses

The proposed General Plan 2035 provides for Large Lot~~Rural~~ Residential, Single-Family Residential, and Multiple-Family Residential development.

- ***Large Lot~~Rural~~ Residential (0.14 – 1.0 du/ac).*** Rural Residential provides for very-low density residential development on land that may have limited access to urban services. Typical development consists of single-family detached housing and accessory buildings, often with the keeping of horses and other farm animals and/or small agricultural plantings.

- ***Single-Family Residential (1.1 – 10.0 du/ac).*** Single-Family Residential provides for traditional single-family detached and attached housing. Typical development consists of a single-family detached home for each legal lot. The Single-Family Residential designation also provides for small lot development such as zero lot line.

- ***Multiple-Family Residential (10.1 – 30 du/ac).*** Multi-Family Residential provides for attached and detached apartments and condominiums. Typical development consists of townhomes, condominiums, apartments, senior housing, and stacked flats. Multiple-Family Residential encourages the development of integrated projects that provide complementary open spaces and amenities on-site.

BASE LAND USE DENSITY

The base land use density refers to the maximum number of units per acre permitted under the corresponding zoning district. The base density for the Rural Residential category is 1 unit per acre. The base densities for the Single-Family Residential and Multiple-Family Residential categories are 10 units per acre and 30 units per acre, respectively.

HOUSING AFFORDABILITY BONUS

The City provides for the development of affordable housing for lower-income households through its affordable housing density bonus program in accordance with State law. The specific provisions of the affordable housing density bonus program are outlined in the City's Development Code. When utilizing the affordable housing density bonus program, the allowable density is increased by up to 100 percent for senior housing and 35 percent for non-senior housing, consistent with State density bonus law, as amended.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

County of Riverside

- **THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INCONSISTENCIES WITH THE RIVERSIDE COUNTY AIRPORT LAND USE COMPATIBILITY PLAN.**

Level of Significance Before Mitigation: ~~Potentially~~ Less Than Significant Impact.

Impact Analysis: The French Valley Airport, which is a County-owned public-use airport, is located on SR-79 (Winchester Road) in unincorporated Riverside County east of Murrieta, adjacent to Temecula. The influence area for the French Valley Airport extends into the eastern portion of Murrieta. A majority of the City located within the airport influence area is within Compatibility Zones D and E. A small portion of the City generally located east of Liberty Road and South of Thompson Road is within Compatibility Zone C and a smaller area of the City generally located east of Briggs Road is located within Compatibility Zone B1. Approximately 0.01 acre is located within Zone B2; refer to *Exhibit 5.1-1*.

The existing General Plan is not consistent with the Compatibility Plan, as the General Plan land use designations do not meet the density or intensity criteria specified in the Compatibility Plan, even with the implementation of mitigation measures identified in the *French Valley Airport Land Use Compatibility Plan Initial Study and Mitigated Negative Declaration*. Specifically, the General Plan Large Lot~~Rural~~ Residential land use designation within Compatibility Zone D allows for residential development of 0.4 to 1.0 dwelling unit per acre. Development at this intensity would be inconsistent with the Compatibility Zone D criteria, which restricts lower density development to a maximum of 0.2 dwelling units per acre. The proposed General Plan 2035 is not recommending any land use changes for the areas within the French Valley Airport Compatibility Zones. However, based on discussions with ALUC staff, it was determined that in order to be consistent with the Compatibility Zone D criteria, the Large Lot~~Rural~~ Residential land use designation would be modified to accommodate the lower density of 0.1~~2~~ dwelling units per acre. Further, a policy has been included in the General Plan 2035 for properties designated as Large Lot~~Rural~~ Residential and Single-Family Residential in the General Plan that are located within Compatibility Zones C and D to submit tentative tract maps and parcel maps to the Riverside County ALUC for consistency review. The proposed Large Lot~~Rural~~ Residential density range and policy would eliminate the inconsistency that currently occurs with the ALUP.

Another inconsistency that exists within Compatibility Zone D is associated with vacant areas currently designated for commercial land uses. Future development of these lands could exceed the average and single acre intensity criteria of 150 and 450, respectively. As stated, the proposed General Plan 2035 is not recommending land use changes for the areas within the

French Valley Airport Compatibility Zones. Thus, this existing inconsistency would remain with the General Plan 2035. However, based on discussions with ALUC staff, in order to be consistent with the ALUP a policy has been included in the General Plan 2035 for proposed commercial developments and places of assembly within Compatibility Zones B1, C, and D to be submitted to the ALUC for consistency review. A policy is also proposed to address the open space provisions as determined by the respective Compatibility Zone. The proposed policies would eliminate the inconsistency that currently occurs with the ALUP.
~~Thus, new land use compatibility impacts with the Compatibility Plan for French Valley Airport would not occur. However, existing incompatibility impacts would continue to occur as the proposed General Plan 2035 land use designations for areas within the Airport Zones would remain unchanged. Therefore, as with the existing General Plan, the proposed General Plan 2035 land use designations would not meet the density or intensity criteria specified in the Compatibility Plan, resulting in a significant and unavoidable impact.~~

It should be noted that the proposed General Plan 2035 does not propose site-specific development at this time. It is anticipated that future development projects within the Airport Zones would be reviewed on a project-by-project basis to determine the proposed development's consistency with the Compatibility Plan. Further, the proposed General Plan 2035 includes policies that promote land use compatibility and protection of the public from potential impacts associated with the French Valley Airport and ensures consultation and coordination with the Riverside County Airport Land Use Commission in the development and review of the French Valley Airport Land Use Plan and other planning and environmental studies.

Refer also to *Section 5.6*, *Noise* and *Section 5.14*, *Hazards and Hazardous Materials*, for additional analysis regarding potential noise and safety impacts associated with the proposed General Plan 2035 and French Valley Airport.

As noted previously, a local agency general plan or specific plan that includes areas covered by an adopted ALUCP must submit its general plan or specific plan (or any amendments thereto) to the ALUC for a consistency determination. If the general plan or specific plan is considered inconsistent with the ALUCP, the local agency's governing body may "overrule" the ALUC's inconsistency determination after a hearing by a two-thirds vote. In overruling the ALUC's determination, the local agency's governing body must make findings that its general plan or specific plan is consistent with the purposes of the State Aeronautics Act, as stated in *California Public Utilities Code* Section 21670.

Subsequent to issuance of the Murrieta General Plan 2035 Public Review Draft EIR, the proposed General Plan 2035 was considered by the Riverside County ALUC at his May 12, 2011 hearing for consistency with the French Valley ALUCP. The ALUC determined the Murrieta General Plan 2035 to be conditionally consistent with the French Valley ALUCP with the density modification to the Large Lot~~Rural~~ Residential Land Use designation and the inclusion of additional policies to provide for future consistency review by the ALUC for properties designated Large Lot~~Rural~~ Residential and Single-Family Residential in the General Plan Compatibility Zones C and D and for properties proposing commercial development and places

of assembly within Compatibility Zones B1, C, and D, and for properties to provide the appropriate open space in compliance with the applicable Compatibility Zone (Policies LU-25.10, LU-25.11, and LU-25.12). Thus, the proposed General Plan 2035 would not result in inconsistencies with the Riverside County ALUCP for the French Valley Airport. Impacts would be less than significant in this regard.

Goals and Policies in the Proposed General Plan 2035:

Goal LU-25 Collaboration with Federal, State, County, and other regional agencies and authorities to ensure compliance with existing and future legislation that affects the City of Murrieta.

Policies

LU-25.8 Establish land use patterns that protect the public from impacts (noise, potential accidents) associated with the French Valley Airport, through the following:

- Consult with the Riverside County Airport Land Use Commission to ensure consistency with the scope and intent of the Airport Land Use Commission Law.
- Allow development in accordance with the Riverside County Airport Land Use Compatibility Plan and the French Valley Airport Compatibility Zones.
- Prohibit structures that are determined to be a "hazard" by the Federal Aviation Administration within the Riverside County Airport Land Use Compatibility Plan.
- Monitor legislation and regulations established by the Riverside County Airport Land Use Commission.

LU-25.9 Work closely with the Riverside County Airport Land Use Commission and other involved agencies in the development and review of the French Valley Airport Land Use Plan and other planning and environmental studies.

LU-25.10 Submit tentative tract maps and parcels maps to the Riverside County Airport Land Use Commission for consistency review. This is applicable to properties designated as Large Lot~~Rural~~ Residential and Single-Family Residential in the General Plan and that are located within Compatibility Zones C and D in the French Valley Airport Land Use Compatibility Plan.

LU-25.11 Submit commercial development and places of assembly to the Riverside County Airport Land Use Commission for consistency review with the applicable average and single-acre population intensity limits in the French Valley Airport Land Use Compatibility Plan for properties within Compatibility Zones B1, C, and D.

LU-25.12 Require new development that is 10 acres or larger in area incorporate open space area in compliance with the Riverside County Airport Land Use Compatibility Plan Section 4.2.4 and in compliance with the applicable compatibility zones requirements in the French Valley Airport Land Use Compatibility Plan.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.
~~No mitigation measures are available.~~

Level of Significance After Mitigation: ~~Significant Unavoidable~~Not Applicable. ~~Impact.~~

■ THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INCONSISTENCIES WITH THE WESTERN RIVERSIDE COUNTY MULTIPLE SPECIES HABITAT CONSERVATION PLAN.

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Portions of the MSHCP Reserve Area extend into the City and the Sphere of Influence; refer to *Exhibit 5.10-2*. The reserve is intended to protect sensitive plant and wildlife species and their habitats pursuant to the Western Riverside County MSHCP. The conceptual conservation scenario for the MSHCP Reserve Area is based on existing conserved lands, undeveloped land (Core Areas), and identified potential Linkages between the Core Areas. *Exhibit 5.10-1* illustrates the existing Conserved Lands and the Proposed Linkages and Cores.

Section 5.10, Biological Resources, analyzes the proposed General Plan 2035's consistency with the MSHCP. As indicated in Section 5.10, future development within the City, including the Focus Areas may occur within the Proposed Linkages and Cores. The City of Murrieta approved the MSHCP and is a local Permittee under the MSHCP. As such, the City has the authority to meet the conservation planning obligations for its jurisdiction. Future development would undergo environmental and design review on a project-by-project basis, in order to confirm consistency with the MSHCP Species Conservation Guidelines and Area Plan Conservation Criteria.

The proposed General Plan 2035 establishes goals and policies to address compliance with the Western Riverside County MSHCP. All future development would be subject to compliance with the goals and policies identified in the proposed General Plan 2035. Therefore, future development according to the proposed General Plan 2035 is not anticipated to conflict with the provisions of the Western Riverside County MSHCP. A less than significant impact would occur in this regard.

Goals and Policies in the Proposed General Plan 2035:

5.1.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE LAND USE IMPACTS.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: The proposed General Plan 2035 focuses on guiding the development of vacant land, specifically focusing on opportunities for economic development. Seven Focus Areas have been identified for policy focus. Of these seven areas, five have been targeted for land use change. These areas include key locations along freeway corridors that are suitable for major land development and redevelopment to carry out the City Council's economic development strategy, including areas around Loma Linda University Medical Center-Murrieta and the Murrieta Education Center. They also include rural residential areas north of Clinton Keith Road that are adjacent to major new development along I-215. The Land Use Policy Map establishes the vision for the City to focus its efforts to attract a variety of businesses and industries, higher educational institutions, and health care facilities, while preserving its existing residential areas. The proposed uses and their distribution will allow for the development of major employment areas, a commercial/mixed-use regional hub, and cohesive and compatible commercial, professional and office, and residential areas. The Land Use Policy Map, along with the Land Use and Economic Development Elements establish a foundation to bring jobs into the City, providing regional implications, such as improved air quality through reduced commuting and an improved jobs/housing balance.

~~Although the proposed General Plan 2035 would be inconsistent with the Compatibility Plan for the French Valley Airport, the potential inconsistencies pertain to specific sites within the City and would not be cumulatively considerable. Future development on those sites would be reviewed on a project-by-project basis to determine the proposed development's consistency with the Compatibility Plan. Therefore, cumulative Impacts would be less than significant in this regard.~~

As indicated in Section 5.2, Population, Housing, and Employment, although the proposed General Plan 2035 population and dwelling units would be slightly greater than projected by SCAG, the forecast growth is generally consistent. Further, the proposed General Plan 2035 accounts for the population growth and establishes goals and policies to reduce potential growth-related impacts. The purpose of the proposed General Plan 2035 and General Plan Land Use Policy Map is to encourage a compatible pattern of development. The goals and policies direct future growth and development in Murrieta, while minimizing potential land use conflicts. Additionally, the goals and policies are designed to preserve and improve existing and future physical development by providing a balance of residential and non-residential development,

ensuring that adjacent land uses are compatible with one another, and effectively developing vacant parcels.

All future projects under the proposed General Plan 2035 would be required to mitigate land use impacts on a project-by-project basis. Therefore the incremental impact of the proposed General Plan 2035, when considered in combination with development within the subregion, would not result in cumulatively considerable land use impacts. In addition, the land use changes anticipated under the proposed General Plan 2035 would accommodate the growth projections identified by SCAG; thus cumulative land use impacts are not anticipated. Further, projects within the SCAG region that are regionally significant, as determined by SCAG, would be reviewed for conformity with regional goals for population, housing, employment, mobility and air quality, further reducing potential cumulative impacts to a less than significant level.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.1.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.1.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Land Use impacts associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goals and policies in the proposed General Plan 2035. No significant unavoidable land use impacts would occur as a result of buildout of the proposed General Plan 2035.

~~Despite compliance with goals and policies, the proposed General Plan 2035 would result in significant unavoidable impacts regarding the following:~~

- ~~Consistency impacts associated with the Riverside County Airport Land Use Compatibility Plan.~~

~~All other land use impacts associated with implementation of the proposed General Plan 2035 would be less than significant with compliance with the goals and policies in the General Plan 2035.~~

~~If the City of Murrieta approves the proposed General Plan 2035, the City shall be required to cite their findings in accordance with *CEQA Guidelines* Section 15091 and prepare a Statement of Overriding Considerations in accordance with *CEQA Guidelines* Section 15093.~~

Redevelopment Plan for the Murrieta Redevelopment Project as Amended by the 2006 Amendment, Murrieta Redevelopment Agency, June 2006.

Riverside County Airport Land Use Commission, Staff Report, May 12, 2011.

Riverside County Airport Land Use Compatibility Plan Volume I Policy Document, October 14, 2004.

Riverside County Airport Land Use Compatibility Plan Volume I Policy Document, Chapter 15 – French Valley Airport, Adopted October 2007.

South Coast Air Quality Management Plan (SCAQMP), Adopted June 1, 2007.

The Vineyards Specific Plan and EIR Substantial Conformance No. 1, June 13, 1989.

The Vineyards Specific Plan Substantial Conformance No. 4, 1992.

Western Riverside County Multiple Species Habitat Conservation Plan, June 2003.

Railways

Currently, there are no railroads traversing the City. However, opportunities to pursue future light rail transit and high speed rail are planned for the future of the City, which would create a new source of mobile noise. At this time, the location of any stations or rail alignments is not known. Implementation of Policy N-3.6 would require the City to coordinate with appropriate agencies in the siting, design, and construction of rail stations and track alignments to ensure that noise attenuation measures are addressed. Additionally, Policy LU-25.2 would require the City to establish a proactive role in the implementation of Proposition 1A in regards to the High Speed Rail.

Airport Noise

There is one primary source of air traffic affecting noise levels within the City of Murrieta; the French Valley (Rancho California) Airport, located outside the City's sphere of influence. Aircraft flyovers are heard occasionally in the City; however, the aircraft do not contribute a significant amount of noise heard in the City. The Riverside County Airport Land Use Commission has prepared a *Comprehensive Land Use Plan* for the French Valley Airport (*CLUP*), which experiences an average of 506 daily operations.

The CLUP indicates only a few parcel on the City's eastern boundary close to SR-79 are within the 55 CNEL noise level contour; the remainder of the 55 CNEL noise level contour is located outside of City boundaries. The *CLUP* also designates portions of the City as being located within Compatibility Zones B1, C, D, and E, all of which require certain land use restrictions. As cited in the French Valley Airport Land Use Compatibility Plan Initial Study and Mitigated Negative Declaration, the City of Murrieta already committed to mitigate development-related impacts to noise through compliance with applicable General Plan Noise Element policies. The City would continue to compliance with applicable policies from the update Noise Element. In addition, implementation of Policies LU-25.8 and 25.9 would require the City to work with the Riverside County Airport Land Use Commission in the development of the French Valley Airport Land Use Plan and other planning and environmental studies. In addition, compliance with Mitigation Measure NOI-2~~-x~~ would ensure aircraft noise impacts to residential uses within the 55 CNEL noise contour are mitigated to a less than significant level.

STATIONARY SOURCES

Commercial and industrial land uses are located near sensitive receptor areas. These uses currently generate occasional stationary noise impacts. Primary noise sources associated with these facilities are due to customer trips, delivery trucks, heavy machinery, air compressors, generators, outdoor loudspeakers, and gas vents. Other significant stationary noise sources within the City include construction activities, street sweepers, and gas-powered leaf blowers.

1. A significant concentration or continuity of buildings unified by past events or aesthetically by plan or physical development; or,
2. The area is associated with an event, person, or period significant or important to Murrieta history.

c. The designation of the geographic area as a historic preservation district is reasonable, appropriate, and necessary to protect, promote, and further the goals and purposes of the ordinance codified in this chapter and is not inconsistent with other goals and policies of the City.

d. Determining Factors: In determining whether to designate a historic preservation district, the following factors shall be considered:

1. District should have integrity of design, setting, materials, workmanship, and association; and,
2. The collective value of the buildings and structures in a district taken together may be greater than the value of each individual building or structure.

Historic Murrieta Specific Plan

The Historic Murrieta Specific Plan is intended to provide a vision for future development within the designated area, establish guidelines for land use decisions, improve the area's physical and economic environment, and establish City goals for quality development within Historic Murrieta. The Specific Plan area is essentially the original "Murrieta Town Site" subdivided by the Temecula Land and Water Company in 1884. It is generally bounded by Kalmia Street to the north, Ivy Street to the south, Hayes Avenue to the west, and Jefferson Avenue to the east. The Specific Plan establishes a vision for development within the area and provides design guidelines for future projects to ensure that the overall vision is achieved and maintained. Guidelines for land use patterns, tree preservation, gateways, streetscape, infrastructure, parking, streets, and alleyways, among other elements, are discussed within the Specific Plan. In addition, the Specific Plan identifies 10 Land Use Districts within the Specific Plan Area to allow for implementation of the overall Plan vision and goals, consistent with goals and policies of the City's original General Plan.

5.9.2 ENVIRONMENTAL SETTING

Paleo-Indian Period. Archaeological research and tribal oral traditions in the Murrieta-Temecula area suggests that prehistoric occupation of the valley dates back thousands of years. There are a number of long-term ~~prehistoric sites~~ village complexes and habitation sites located in Murrieta, which are valuable resources. The ~~carvings and other signs left in local rocks and boulders~~ remnants of early villages as well as the local art and ethnographic accounts provide an important record of Murrieta's early occupation by Native Americans.[3]

[3] City of Murrieta *General Plan*, June 21, 1994.

~~**Shoshonean Period.** Luiseño and Cahuilla groups of the Southern California Shoshone Indian Tribe entered into the area sometime after 1500 and settled at various sites along streams throughout the Murrieta-Temecula area. These Payomik Kowichum, as they were called before the Mission Era, were a hunting-gathering people. Two Payomik settlements are believed to have been located in Murrieta: Avaxat, referring to the cottonwoods of Murrieta Creek, was located just west of the creek near present-day Ivy Street, while Toatwi was located near Los Alamos and Winchester Road.[4]~~

Late Period. It is generally assumed that the Late Period began approximately AD 500 to 750, and its termination is widely accepted as AD 1769, the date of the beginning of permanent European occupation of California. The Luiseno Peoples occupied the Murrieta-Temecula area and called themselves Payomkawichum before the influx of European settlers and the Mission Period. There are also many Luiseno place names within the Murrieta area. Several village complexes were located within the City's boundaries; one that has been definitively identified by the Tribe is Qengva, which is in the southwest part of Murrieta. To the north of Qengva is 'avaa'ax, referring to the cottonwood trees along Murrieta Creek. To the east is the "The Owls' Nest" or Muula Putee, which is located on what residents know as the Hogbacks in the Los Alamos area. Flowing beside these prominent hills to the south is the Santa Gertrudis River or Totpa, a very important water source.

Spanish and Mexican Periods. Both the San Luis Rey and the San Juan Capistrano Missions claimed the territory for cattle raising and used local vaqueros to manage their cattle herds. They likely used Los Alamos Road to travel from the Alamos grasslands to the missions. Soon after Spain lost control of Mexico and the missions closed, the entire Murrieta area was divided among three land grants: Rancho Temecula, San Jacinto Rancho, and Rancho Santa Rosa.[5]

American Period. As travel along the Santa Fe Trail and Southern Emigrant trails during the early American Period brought more settlers, settlement occurred along the Santa Ana and San Jacinto waterways. The Southern Pacific Railroad line from Los Angeles through the San Gorgonio Pass was completed in 1876. In 1883, the California Southern Railway allowed for travel through the Cajon Pass and down to San Diego through western Riverside County. The trains were eventually used to transport settlers into the area, creating a period of agricultural and land development, ultimately resulting in the establishment of Riverside County in 1893. Transportation, agriculture, and the control of water have continued to be central themes in the settlement, development, and growth of Riverside County (Robinson 1979).

The Murrieta area was originally included in Mission San Luis Rey's lands as part of Rancho Temecula. After secularization, other ranchos were carved from Rancho Temecula, including the Pauba, La Laguna, and Little Temecula Ranchos. By the mid-19th century, Murrieta's land area was bisected by the Southern Emigrant Trail, which ran through western Riverside County

[4] Ibid.
[5] Ibid.

groves of deciduous fruits, the area settled into a more bucolic existence (Lech 2004). Daily train service continued into Murrieta until 1935, after automobile use had become a well-established alternative to train travel in southern California (Garrison 1963).

After the close of the rail line in 1935, the land boom ended. By 1947, the town had an estimated population of 1,200. In that same year, the Murrieta Fire Protection District was formed. Civic accomplishments in the 1950s included a new town hall (1956) and the formation of the Murrieta Valley Chamber of Commerce (1959). In the 1960s, the area became known for the breeding of fine racehorses.

From the 1890s through the late 20th century, Murrieta's land use and local economy was largely based on dry-farming grains (barley, wheat, and oats), and Murrieta's identity was influenced by established farms of vast rolling fields of seasonal grasses. Murrieta was largely a town consisting of grain farmers who drove huge teams of horses pulling combine harvesters over the fields of the Antelope Valley, the Santa Rosa Plateau, and the Alamos district. Murrieta farmers also grew potatoes, alfalfa, vegetables, and grape vineyards, as well as orchards of olive, cherry, pear, apple, fig, and nectarine trees (Alter et al. 2005).

One exception to the community's dominant agricultural identity was the regionally-popular Murrieta Hot Springs. Located along present Murrieta Hot Springs Road just east of I-215, the mineral-rich springs have been used by people for thousands of years. The Luiseño called the springs Churuukunuknu Haki'wuna ~~Cherukanukna Hakiwuna~~ and their extensive use of the springs is reflected in the numerous habitation sites and artifacts identified nearby. Non-Indian visitors in the late 19th century determined what the Luiseno already know about the springs, that the springs had healing properties, and Murrieta Hot Springs became part of a rapidly growing network of Southern California destinations for health-seekers. In 1887, a Pasadena syndicate bought the hot springs, along with over a thousand acres of land. After several years of new owners, Murrieta Hot Springs was purchased by Fritz Guenther in 1902. It prospered under the family's ownership for nearly 70 years, expanding from 200 acres of ranch land and a few decrepit buildings into over 500 acres of prime resort spa, complete with bathhouses, tiled pools, hotels, great halls, stables, gardens, and hiking trails; however, by 1969, profits declined due to laws prohibiting gambling, and affordable air travel enticed families to take their vacations elsewhere. Murrieta Hot Springs was sold again, continuing its decline over the years until the spa was closed in 1990 and the resort was auctioned off (Boyce 1995).

HISTORIC/ARCHAEOLOGICAL RESOURCES

Cultural resources are represented by the material remnants of human activity in an area and can be either prehistorical (aboriginal/native American) or historical (European and Euro-American). Although not necessarily of cultural significance per *CEQA*, cultural remains are considered to be of cultural concern if they are at least 50 years old. Such resources may include midden (ashy or greasy dark soil indicating former occupation); ground stone tools and milling features; rock shelters; rock art (petroglyphs); rock features (cairns, stone walls); quarries; trails; and, ecofactual material (faunal remains, fire-affected rocks). Other indicators of former occupancy

may include pottery, human skeletal remains, and body adornments (i.e. shell or bone beads, jewelry). Cultural resources can also include oral traditions, ethnographic accounts, traditional songs and stories, and places important for the continuation of traditional beliefs and practices.

A records search at the Eastern Information Center (EIC), located in the Department of Anthropology at the University of California, Riverside, indicated that 330 cultural resource studies have been conducted within the City and the Sphere of Influence, resulting in the identification of a total of 199 documented cultural resources. Previous studies within the City and the Sphere of Influence consist mainly of cultural resource assessments, survey reports, and archaeological test excavations. The documented resources within the City and the Sphere of Influence include more than 75 separate milling features in bedrock, 36 milling artifacts, 53 sites with lithic artifacts (flakes, points, debitage), five sites with rock art, nine possible prehistoric campsites or habitation sites, three possible prehistoric quarries, seven built resources, and 11 historic archaeological sites (trash scatters, habitation remains). The significance of each of these resources was not identified, and instead requires consideration on a site- or resource-specific basis.

Potential Historic Resources

A review of the Riverside Historic Properties Directory revealed that an additional 73 properties have been documented and evaluated, shown in *Table 5.9-1, Evaluated Resources in the Historic Properties Directory*. Several of these resources have been demolished. Eleven of them are part of the Murrieta Hot Springs complex, which was incorporated into a Christian conference center in 1995.

The Murrieta Historical Resources Inventory Update (Alter et al. 2004) included 71 potentially historic resources, shown in *Table 5.9-2, Potentially Historic Resources in the City of Murrieta*. Many of these resources were initially documented by the Riverside County Historical Commission in a 1982 survey that was submitted to the EIC, and are in the Riverside Historic Properties Directory; thus, they appear in *Table 5.9-1* as well. However, the City of Murrieta has never adopted a list of historic resources.

As indicated by their CHR status codes, Murrieta's documented historic properties include properties that appear eligible for the National Register or California Register through survey evaluation, and properties recognized as historically significant by local government. As yet, no individual resources, archaeological districts, or historic preservation districts have been designated for inclusion on the Murrieta Register of Cultural Resources.

The City has recognized the importance of preserving its history and character in the Conservation Element with Goal CSV-11 that seeks to preserve the City's significant historical, archaeological, and cultural value resources. Additionally, implementation of the goals and policies of the proposed General Plan 2035 Conservation and Land Use Elements, and Mitigation Measures CR-1 and CR-2, would reduce potential impacts to undocumented archaeological resources, cultural resources, and historical structure/resources to less than significant levels.

In addition, the *City of Murrieta Development Code* and *Historic Murrieta Specific Plan* provide protections for cultural and historic resources, including historic landscape features and trees. The proposed General Plan 2035 includes goals and policies regarding Historic Murrieta and to continue the City's efforts to preserve its historic character while encouraging pedestrian-oriented infill development that restores the area as a community core (Goal LU-24). Other proposed General Plan 2035 goals and policies seek to continue the rural character and heritage of the Los Alamos area (Goal LU-22).

Future development would be subject to compliance with the proposed General Plan 2035 Conservation Element and Land Use Element goals and policies outlined below and Mitigation Measure CR-1, which would ensure that future development in the City would not adversely impact archaeological, cultural, or historical resources, thereby reducing potential impacts to less than significant.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-9 A community that promotes the growth of an urban forest and water-efficient landscaping, recognizing that plants provide natural services such as habitat, storm water management, soil retention, air filtration, and cooling, and also have aesthetic and economic value.

Policies

CSV-9.1 Identify and protect native trees, trees of historic or cultural significance, and mature trees, consistent with the Tree Preservation Ordinance.

Goal CSV-11 Murrieta protects, enhances, and celebrates archaeological, cultural, and historic resources as a way to foster community identity.

Policies

CSV-11.1 Promote the protection and preservation of archaeological, cultural, historical, and architecturally significant sites, structures, districts, Native American resources, and natural features throughout the community, consistent with the Cultural Resource Preservation Ordinance. Preferred methods of protection include

Goal LU-22 Natural and visual resources are valued resources to maintain the rural character of the Los Alamos Hills.

Policies

LU-22.3 Encourage development that minimizes impacts to existing water courses, mature trees, and natural features as much as possible. In those cases that these areas/features are impacted, the final design should provide adequate mitigation on-site and/or in nearby areas.

LU-22.4 Encourage healthy and structurally sound, existing groves of eucalyptus and other mature non-native trees located west of Warm Springs Creek to be considered a visual asset to the area, and should be conserved and maintained to the maximum degree practicable.

Goal LU-24 Historic Murrieta as the City's cultural, civic and community center.

Policies

LU-24.1 Preserve and enhance the historic Murrieta area as the governmental and cultural focal point of the City.

Mitigation Measures:

CR-1 Future development projects shall continue to be evaluated for cultural resources by the City of Murrieta through review by the Eastern Information Center (EIC) and notification of and consultation with the local tribes for new entitlement projects. The projects shall be evaluated for compliance with the California Environmental Quality Act (CEQA) and where feasible, avoidance of cultural resources. If, following review by the EIC and/or tribal consultation, it is determined that there is a potential for impacts to cultural resources, further cultural resources analysis by a qualified professional(s), as defined in Mitigation Measure CR-2, may be required by the City.

CR-2~~1~~ In the event that cultural resources (archaeological, historical, paleontological) resources are inadvertently unearthed during excavation and grading activities of any future development project, the contractor shall cease all earth-disturbing activities within a 100-foot~~meter~~ radius of the area of discovery~~ and shall retain a qualified archaeologist to evaluate the significance of the finding and appropriate course of action~~. If not already retained due to conditions present pursuant to Mitigation Measure CR-1, the project proponent shall retain a qualified professional (i.e., archaeologist, historian, architect, paleontologist, Native American Tribal monitor), subject to approval by the City of Murrieta to evaluate the significance of the find and appropriate course of action (refer to Mitigation

Measures CR-1 and CR-3). If avoidance of the resources is not feasible, s~~S~~alvage operation requirements pursuant to Section 15064.5 of the CEQA Guidelines shall be followed. After the find has been appropriately avoided or mitigated, work in the area may resume.

Level of Significance After Mitigation: Less Than Significant Impact.

BURIAL SITES

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD IMPACT UNMARKED BURIAL SITES.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Given the history of various Indian tribes and their presence throughout Murrieta and the region, there is the potential for human remains, including those interred outside of formal cemeteries, to be encountered during earth removal or disturbance activities with implementation of the proposed General Plan 2035. However, archaeological resources have been documented within and near the City. Therefore, ground-disturbing activities in the City, such as grading or excavation, have the potential to disturb as yet unidentified human remains.

The Native American Graves Protection and Repatriation Act within the State of California, is enacted by the California Native American Historical, Cultural and Sacred Sites Act, and applies to Federal, State, and private lands. Upon discovery of human remains, the activity ceases and the County Coroner shall be notified. If the remains are of a Native American, the coroner notifies the Native American Heritage Commission (NAHC), which then notifies the mostly likely descendents. The NAHC is directed to prepare an inventory of Native American Sacred Places on public lands. It is illegal for anyone to knowingly or willfully possess or obtain any Native American artifacts or human remains from a Native American grave or cairn. Any person who removes, without authority of law, Native American artifacts or human remains from a Native American grave or cairn with the intent to sell or dissect such remains is guilty of a felony punishable by imprisonment in a Federal or State prison.

If human remains were found, those remains would require proper treatment, in accordance with applicable laws. State of California *Public Resources Health and Safety Code* Sections 7050.5-7055 describe the general provisions for human remains. Specifically, H*ealth and Safety Code* Section 7050.5 describes the requirements if any human remains are accidentally discovered during excavation of a site. In addition, the requirements and procedures set forth in *California Public Resources Code* Section 5097.98 would be implemented. If human remains are found during excavation, excavation must stop in the vicinity of the find and any area that is reasonably suspected to overlie adjacent remains until the County coroner has been called out, and the

remains have been investigated and appropriate recommendations have been made for the treatment and disposition of the remains.

Following compliance with State regulations, which detail the appropriate actions necessary in the event human remains are encountered, and compliance with proposed General Plan 2035 Conservation Element Goal CSV-11 and Policy CSV-11.5 and Mitigation Measure CR-2, impacts in this regard would be less than significant.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-11 Murrieta protects, enhances, and celebrates archaeological, cultural, and historic resources as a way to foster community identity**.**

Policies

CSV-11.5 Comply with state law regarding the identification and protection of Native American resources, and consult with the appropriate tribal governments.

Mitigation Measures:

CR-3~~2~~ In the event that human remains are unearthed during excavation and grading activities of any future development project, all activity shall cease immediately. Pursuant to State Health and Safety Code Section 7050.5, no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner shall within 24 hours notify the Native American Heritage Commission (NAHC). The NAHC shall then contact the most likely descendant of the deceased Native American, who shall serve as consultant on how to proceed with the remains.

Level of Significance After Mitigation: Less Than Significant Impact.

PALEONTOLOGICAL RESOURCES

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD DIRECTLY OR INDIRECTLY IMPACT A UNIQUE PALEONTOLOGICAL RESOURCE OR SITE.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: The San Bernardino County Museum Earth Sciences Division has classified the majority of the City and the Sphere of Influence as having a high potential for containing significant, nonrenewable paleontological resources. Formations in the Murrieta area have yielded extensive fossil remains. In particular, fossils may be present in three major fossiliferous Pleistocene age sedimentary rock units that are exposed along the Elsinore fault zone, as discussed above.

Future development associated with implementation of the proposed General Plan 2035 could indirectly result in impacts to undiscovered paleontological resources through remediation, demolition, or construction activities. All future improvements and development within the City would be subject to compliance with the proposed General Plan 2035 Conservation Element Goal CSV-7 and the associated policies, and Mitigation Measures CR- and CR-2~~1~~, which would ensure impacts to paleontological resources or unique geologic features are reduced to a less than significant level.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-7 Paleontological resources are conserved as a record of the region's natural history.

Policies

CSV-7.1 Continue development review procedures that protect paleontological resources.

CSV-7.2 Encourage local display and educational use of paleontological resources.

Mitigation Measures: Refer to Mitigation Measures CR-1 and CR-2. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

5.9.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS TO CULTURAL RESOURCES.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Future development projects in the City of Murrieta, County of Riverside, and the region may encounter cultural resources. During the growth anticipated to occur with implementation of the proposed General Plan 2035, it is possible that undiscovered archaeological, paleontological and/or historic resources could be impacted. It is possible that cumulative development could result in the adverse modification or destruction of archaeological, paleontological, and/or historic resources. Potential cultural resource impacts associated with the development of individual projects under the proposed General Plan 2035 would be specific to each site. All new developments would be required to comply with existing Federal, State, and local regulations concerning the protection of archaeological, paleontological and historic resources on a project-by-project basis. Additionally, implementation of the goals and policies of the proposed General Plan 2035, and recommended mitigation measures, would reduce potential impacts to undocumented archaeological resources, cultural resources, and historical structure/resources to less than significant levels. Thus, implementation of the proposed General Plan 2035 would not result in cumulatively considerable cultural resource impacts.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.9.

Mitigation Measures: Refer to Mitigation Measures CR-1 through~~and~~ CR-3~~2~~. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

5.9.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Impacts related to cultural resources associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with the existing regulatory framework, proposed General Plan 2035 goals and policies, and mitigation measures. No significant unavoidable cultural resource impacts would occur as a result of buildout of the proposed General Plan 2035.

5.9.7 SOURCES CITED

Alter, Ruth C., Kathleen A. Crawford, and Scott A. Moomjian. 2004. Murrieta Historical Resources Inventory Update. Prepared for the City of Murrieta by Archaeos, May 2004.

Boyce, Mary Alice Rail. 1995. *Murrieta - Old Town, New Town: A Community History*. Rosemar Publishing: Murrieta, CA.

California Historic Building Code (Sections 18950 to 18961 of Division 13, Part 2.7 of California Health and Safety Code), January 1, 2008.

Cultural Resources Assessment prepared by LSA Associates, Inc., January 4, 2010~~,~~.

the known distribution data for each species. The existing MSHCP database does not, however, provide the level of detail sufficient to determine the extent of the presence or distribution of narrow endemic plant species within the MSHCP Plan Area. Narrow endemic plant species are highly restricted by their habitat affinities, edaphic requirements or other ecological factors, and for which specific conservation measures have been identified in MSHCP Section 6.1.3. Since conservation planning decisions for these species will have a substantial effect on the status of these species, additional information regarding the presence of these species is required during the long-term implementation of the MSHCP, in order to ensure that appropriate conservation of these species occurs. MSHCP Section 6.1.3 identifies the narrow endemic plant species for the MSHCP and the procedures necessary to ensure that the biological functions and values of these areas throughout the MSHCP Plan Area are maintained such that habitat values for species inside the MSHCP Conservation Area are maintained. These procedures address the following requirements:

- Survey, Mapping and Documentation Requirements;
- Avoidance and Minimization;
- Determination of Biologically Equivalent or Superior Preservation;
- Relationship to Existing Wetland Regulations; and
- Additional Species Benefits.

ADDITIONAL SURVEY NEEDS AND PROCEDURES

Additional surveys may be needed for certain species in conjunction with implementation of the MSHCP, in order to achieve coverage for these species. MSHCP Section 6.3.2 (Additional Survey Needs and Procedures) discusses those additional survey needs and procedures.

HABITAT CONSERVATION PLAN FOR THE SETPHENS' KANGAROO RAT IN WESTERN RIVERSIDE COUNTY

Background

In October 1988 the Stephens' kangaroo rat (SKR) was listed as an endangered species by the United States Fish and Wildlife Service (USFWS). Under the Endangered Species Act (ESA), both the SKR and its habitat were protected from any type of disturbance resulting in "take" of the species. The net effect was to freeze new development on more than 22,000 acres throughout western Riverside County. At the time of listing very little was known about the animal, its geographical distribution, or its habitat needs.

In order to address severe economic impacts of the SKR listing, the Riverside County Habitat Conservation Agency (RCHCA) prepared a Short-Term Habitat Conservation Plan (HCP). This HCP, approved by the USFWS and CDFG in August 1990, was intended as an interim conservation program designed to afford protection to the SKR while a plan providing for the establishment of permanent preserves could be developed.

Stephens' Kangaroo Rat Habitat Conservation Plan (1996)

On behalf of its members, the Riverside County Habitat Conservation Agency (RCHCA) sought a permit from the U.S. Fish and Wildlife Service (USFWS) and an agreement with the California Department of Fish and Game (CDFG) which would authorize incidental and management take, respectively, of the Stephens' kangaroo rat (SKR), a species protected under both the California and federal Endangered Species Acts (ESA). Toward this objective, the RCHCA prepared a Habitat Conservation Plan (HCP) which describes the conservation, mitigation, and monitoring measures which will be implemented if the permit and agreement are approved by the USFWS and CDFG.

This HCP is intended to replace a SKR Short-Term HCP, which the RCHCA and its member agencies have been implementing since 1990. Under that plan the USFWS and CDFG authorized a limited amount of incidental take subject to conservation and mitigation actions designed to:

- Provide for interim protection of Study Areas in order to allow for their evaluation as potential SKR reserves;
- Ensure full mitigation for all SKR occupied habitat incidentally taken through acquisition of replacement habitat in Study Area locations approved by the USFWS;
- Allow time for the RCHCA to conduct biological research necessary to document the species' characteristics and identify factors essential to its continued existence in the HCP area;
- Design a regional reserve system adequate to ensure long-term SKR persistence in the plan area, and;
- Establish reliable funding sources sufficient to implement all provisions of the HCP for which the RCHCA assumed financial responsibility.

With the HCP, RCHCA seeks to:

- Replace its existing authorizations for incidental take of SKR with a 30-year permit and agreement;
- Replace the conservation, mitigation, and monitoring measures established under the Short-Term plan with those described in this HCP, and;
- Implement a conservation program for the SKR which will also provide the basis for a subsequent ecosystem based plan covering all sensitive habitat types and species in RCHCA jurisdictions.

The new permit and agreement would be valid for 30 years and would authorize incidental take of SKR on RCHCA member agency lands within the plan area mapped in the HCP (Figure S-1). The HCP area covers 533,954 acres within RCHCA member jurisdictions, including approximately 30,000 acres of occupied SKR habitat (Table S-1).

CONSERVATION, MITIGATION, AND MONITORING MEASURES

To meet the requirements specified in the California and Federal ESA's for the incidental and management take authorizations it seeks, the RCHCA prepared this HCP which identifies how the impacts of SKR incidental take will be minimized, mitigated, and monitored, and the degree to which the species' persistence in the plan area will be ensured.

1. Establishment, Completion, Expansion, and Management of the Core Reserves

The establishment, completion, expansion, and management of the core reserves defined in Chapter 5. SKR Conservation and Mitigation Measures will be the primary means of mitigating the impacts of incidental take to SKR in the plan area. These conservation and management activities also will be the primary means of assuring that SKR will persist within the plan area.

Through its implementation of the Short-Term SKR plan the RCHCA has ensured the conservation of the vast majority of land contained within the core reserves defined in this HCP. In order of decreasing size, the seven core reserves established by this HCP are:

- Lake Skinner-Domenigoni Valley (13,158 acres);
- Lake Mathews-Estelle Mountain (11,243 acres);
- San Jacinto-Lake Perris (10,932 acres);
- Sycamore Canyon-March Air Force Base (2,502 acres);
- Steele Peak (1,753 acres);
- Potrero ACEC (995 acres)
- Motte Rimrock (638 acres)

In the aggregate these core reserves encompass 41,221 acres, including 12,460 acres of SKR occupied habitat.

2. RCHCA Funding Commitments

In addition to the $30 million expended to date by the RCHCA to implement the Short-Term HCP and develop this conservation plan, the agency will provide an additional $11.7 million toward land acquisition, core reserve management, and administration activities necessary to implement this HCP. The implementation budget for the HCP are presented in Chapter 5, SKR Conservation and Mitigation Measures.

3. Monitoring of Compliance and Plan Effectiveness

The RCHCA will maintain responsibility for monitoring compliance with the terms and conditions of the permit and agreement. Additionally, with the assistance of the RMCC, the RCHCA will evaluate the effectiveness of HCP conservation and mitigation measures, and submit annual reports concerning same to USFWS and CDFG.

Annual reports will be reviewed by USFWS and CDFG to assess the effectiveness of the HCP in ensuring SKR persistence in the plan area. If necessary, modifications to the HCP will be made to address problems identified in the annual reports.

4. Plan Implementation

All of the institutional arrangements necessary for plan implementation are presently in place or will be established through interagency and cooperative agreements. The RCHCA Joint Powers Agreement already vests sufficient authority in the agency to perform all tasks necessary to fulfill its commitments for HCP implementation. Implementation of this HCP will be governed by legal agreements executed among the RCHCA, its member agencies, USFWS, CDFG, BLM, U.S. Department of Interior, and the State of California Resources Agency. The purpose of such agreements is to specify the terms and conditions under which the HCP will be implemented, and define the roles and responsibilities of all parties. The RCHCA and its member agencies will execute a combined Implementation Agreement/California Endangered Species Permit agreement with the aforementioned Federal and State agencies.

The City of Murrieta joined the Riverside County Habitat Conservation Agency Joint Exercise Powers Agreement on August 1, 1995.

IMPLEMENTATION AGREEMENT, RIVERSIDE COUNTY, LONG TERM CONSERVATION PLAN

The Agreement was made and entered into on April 23, 1996 by and among the United States Department of Interior, the United States Fish and Wildlife Service, the United States Bureau of Land Management, The Resources Agency of the State of California, the California Department of Fish and Game, the Riverside County Habitat Conservation Agency, the County of Riverside, and the cities of Corona, Hemet, Lake Elsinore, Moreno Valley, Murrieta, Perris, Riverside, and Temecula, all of which are located within the County of Riverside.

CITY OF MURRIETA DEVELOPMENT CODE – TREE PRESERVATION

Murrieta Development Code (*MDC*) Chapter 16.42, *Tree Preservation*, provides regulations for the protection, preservation, and maintenance of native Oak, Sycamore, and Cottonwood trees, trees of historic or cultural significance, groves and stands of mature trees, and mature trees in general, that are associated with proposals for development. These provisions are also intended to perpetuate these trees through the replacement of trees removed as a result of a new development. Pursuant to *MDC* Chapter 16.42, a protected tree includes any of the following:

A. Native Oak with a diameter at breast height of four inches or greater. Smaller trees may also be protected under special circumstances as determined by the Director;

B. Trees of historical or cultural significance as identified by Council resolution;

C. Significant groves or stands of trees;

result in pressure for this parcel to be developed with a different commercial use. However, because plant nurseries are allowed in the Rural Residential district and several non-residential zoning districts, the plant nursery could move its potted plants to another location in the City if it is displaced. Any new plant nurseries in the City would be considered to be new areas of Unique Farmland. Therefore, the proposed General Plan 2035 is not anticipated to cause a permanent loss of Unique Farmland; impacts are considered less than significant in this regard.

The 2008 Important Farmland map shows Locally Important Farmland throughout the City. However, as stated above, most of this land is not ~~believed to be~~ in agricultural production based upon City staff review of parcel records and field inspection, and therefore may not be eligible for inclusion on the Important Farmland maps expected to be released in 2011.

Under the proposed General Plan 2035, future development efforts are directed toward the Focus Areas, with an emphasis on encouraging additional office and business park uses in appropriate freeway-adjacent locations. Although most of the City is urbanized or urbanizing, large rural residential areas would remain, where agricultural uses are less subject to land use conflicts and development pressure. The proposed General Plan 2035 goals and policies in the Conservation and Land Use Elements support the protection of rural character and the continued potential for agricultural uses in these rural residential areas.

In addition to allowing agricultural activity in rural residential areas, the proposed General Plan 2035 policies encourage additional, small-scale urban agricultural opportunities to be created throughout the City. The focus of these policies is on improving Murrieta residents' access to fresh, locally grown produce, rather than on growing food for export out of the community. However, urban agriculture is an evolving industry and the proposed General Plan 2035 allows for commercial urban farming operations as well as food processing facilities that could be linked to those operations.

Through the proposed General Plan 2035, the potential for agricultural uses in rural residential areas would remain, and the expansion of agricultural uses in urbanized areas is encouraged. Therefore, impacts on farmland are considered to be less than significant.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-10 Fresh food is grown locally and made available through multiple venues that maintain a link to the City's agricultural heritage and promote healthy eating.

Policies

CSV-10.1 Allow agricultural uses to continue in rural residential areas.

- Consult with the Riverside County Airport Land Use Commission to ensure consistency with the scope and intent of the Airport Land Use Commission Law.
- Allow development in accordance with the Riverside County Airport Land Use Compatibility Plan and the French Valley Airport Compatibility Zones.
- Prohibit structures that are determined to be a "hazard" by the Federal Aviation Administration within the Riverside County Airport Land Use Compatibility Plan.
- Monitor legislation and regulations established by the Riverside County Airport Land Use Commission.

LU-25.9 Work closely with the Riverside County Airport Land Use Commission and other involved agencies in the development and review of the French Valley Airport Land Use Plan and other planning and environmental studies.

LU-25.10 Submit tentative tract maps and parcels maps to the Riverside County Airport Land Use Commission for consistency review. This is applicable to properties designated as Large Lot~~Rural~~ Residential and Single-Family Residential in the General Plan and that are located within Compatibility Zones C and D in the French Valley Airport Land Use Compatibility Plan.

LU-25.11 Submit commercial development and places of assembly to the Riverside County Airport Land Use Commission for consistency review with the applicable average and single-acre population intensity limits in the French Valley Airport Land Use Compatibility Plan for properties within Compatibility Zones B1, C, and D.

LU-25.12 Require new development that is 10 acres or larger in area incorporate open space area in compliance with the Riverside County Airport Land Use Compatibility Plan Section 4.2.4 and in compliance with the applicable compatibility zones requirements in the French Valley Airport Land Use Compatibility Plan.

Mitigation Measures:

HHM-4 The project applicant shall comply with the requirements of the Federal Aviation Administration (FAA) should any portions of the development be within a height overlay review zone or encroach within an imaginary surface surrounding the French Valley Airport. A Notice of Proposed Construction or Alteration (Form 7460-1) may be required by the FAA in accordance with Federal Aviation Regulations Part 77.

Level of Significance After Mitigation: Less Than Significant Impact.

Originally, the SDWA focused primarily on treatment as the means of providing safe drinking water at the tap. The 1996 amendments greatly enhanced the existing law by recognizing source water protection, operator training, funding for water system improvements, and public information as important components of safe drinking water. This approach ensures the quality of drinking water by protecting it from source to tap.

STATE

California Water Plan

The California Water Plan is prepared by the California Department of Water Resources. The Plan provides a framework for water managers, legislators, and the public to consider options and make decisions regarding California's water future. The Plan, which is updated every five years, presents basic data and information on California's water resources including water supply evaluations and assessments of agricultural, urban, and environmental water uses to quantify the gap between water supplies and uses.

The Plan also identifies and evaluates existing and proposed statewide demand management and water supply augmentation programs and projects to address the State's water needs. The Plan provides resource management strategies and recommendations to strengthen integrated regional water management. The resource management strategies help regions meet future demands and sustain the environment, resources, and economy, involve communities in decision-making, and meet various goals. A resource management strategy is a project, program, or policy that helps local agencies and governments manage their water and related resources. These strategies can reduce water demand, improve operational efficiency, increase water supply, improve water quality, practice resource stewardship, and improve flood management.

The Plan was last updated in ~~2005~~2009. The Department of Water Resources is ~~expected to approve a subsequent update in 2010.~~ currently working on the 2013 California Water Plan Update.

California Water Code

The *California Water Code* contains provisions that control almost every consideration of water and its use. Division 2 of the *California Water Code* provides that the State Water Resources Control Board (SWRCB) shall consider and act upon all applications for permits to appropriate waters. Division 6 of the *California Water Code* controls conservation, development, and utilization of the State water resources, while Division 7 addresses water quality protection and management.

Requirements for the urban water management plans include:

- Assessment of current and projected water supplies
- Evaluation of Demand and Customer Types
- Evaluation of the reliability of water supplies
- Description of conservation measures implemented by the urban water supplier
- Response plan for in the event of water shortage
- Comparison of demand and supply projection

Porter-Cologne Water Quality Control Act

The Porter-Cologne Water Quality Control Act acts in cooperation with the CWA to establish the State Water Resources Control Board (SWRCB). The SWRCB is divided into nine regions, each overseen by a RWQCB. The SWRCB, and thus each RWQCB, is responsible for protecting California's surface waters and groundwater supplies.

The Porter-Cologne Water Quality Control Act develops Basin Plans that designate the beneficial uses of California's rivers and groundwater basins. The Basin Plans also establish narrative and numerical water quality objectives for those waters. Basin Plans are updated every three years and provide the basis of determining waste discharge requirements, taking enforcement actions, and evaluating clean water grant proposals. The Porter-Cologne Water Quality Control Act is also responsible for implementing CWA Sections 401-402 and 303(d) to SWRCB and RWQCBs.

California Title 22 Drinking Water Standards

California Title 22 Drinking Water Standards (*Title 22*) incorporates the Federal requirements of the Safe Drinking Water Act, and compliance with *Title 22* is required by all water service providers. Therefore, the monitoring of all regulated chemicals as well as a number of unregulated chemicals, in the drinking water supply, as required by *Title 22*, is conducted by water agencies in the upper watershed.

In order to be in compliance with *Title 22*, each water agency must ensure that the regulated chemicals meet established primary drinking water standards to ensure the safety of the water supply. In addition to the primary drinking water standards, secondary drinking water standards have been set for some minerals based on non-health-related aesthetics, such as taste and odor. Both primary and secondary standards are expressed as the maximum contaminated levels (MCL) that are allowable for a given constituent. Unregulated chemicals do not have established drinking water standards, but are chemicals of concern for which standards may be eventually adopted. These unregulated chemicals often have a "notification level," which is a health based advisory level established by California Department of Health Services (DHS) for chemicals in drinking water that lack MCLs.

LOCAL

Upper Santa Margarita Integrated Regional Water Management Plan

The Integrated Regional Water Management Plan (IRWMP) is a planning and management tool to facilitate efficient use of water resources and to develop effective water conservation measures using a regional- and watershed-based approach.

The intent of the IRWMP is to pave the way for greater watershed-wide coordination and management of water resources within the Santa Margarita Watershed as a whole, as well as adjoining watershed and regional planning and funding efforts. Through the IRWMP, regional water agencies, flood control districts, water districts, counties, cities, land and nature conservancies, universities, Indian tribes, Camp Pendleton Marine Corps Base, federal, state, local agencies, and other stakeholder groups collaborate across jurisdictional boundaries to implement water resource management projects to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions. The IRWMP also provides an opportunity to provide information on the present and future needs of the watershed for the California Water Plan.

Development of the IRWMP for the Upper Santa Margarita Watershed required a cooperative effort on the part of three agencies that have authority for planning and implementation of water management strategies in the watershed:

- Rancho California Water District (RCWD)
- Riverside County Flood Control and Water Conservation District (RCFC)
- County of Riverside

In June and July 2007, RCWD, RCFC, and the County of Riverside signed a Memorandum of Understanding (MOU) by which the three agencies agreed to cooperate and work collaboratively with other stakeholders in the Upper Santa Margarita Watershed in Riverside County toward the completion of the watershed's IRWMP.

Rancho California Water District

URBAN WATER MANAGEMENT PLAN

RCWD provides retail water for urban and agricultural uses to the City of Temecula, portions of the City of Murrieta, and unincorporated Riverside County lands in the surrounding area. RCWD comprises approximately 100,000 acres (approximately 156 square miles) in the southwestern portion of Riverside County, California. The RCWD UWMP complies with the Urban Water Management Planning Act. The Plan provides an assessment of water sources and supply, reliability of supplies, water use efficiency measures, and water demand and supply comparison. In addition, recent legislation, the Water Conservation Bill of 2009, requires urban

water suppliers to report in their UWMPs base daily per capita water use (baseline), urban water use targets for the year 2020, and interim water use targets for the year 2015. This information would be included in RCWD's 2010 UWMP Update, which is anticipated to be adopted by July 1, 2011.

REGIONAL INTEGATED RESOURCES PLAN

RCWD prepared a Regional Integrated Resources Plan (IRP) to develop a long-range water supply plan to reliably meet the needs of the District through 2050. The IRP addresses issues of imported water supply availability, system capacity constraints, rising imported water costs, and water quality. The IRP evaluates and examines a set of water supply objectives against different water supply alternatives such as increased water conservation, additional groundwater storage and reuse, conversion of agriculture from imported water to untreated water or advanced-treated recycled water, groundwater recharge using advanced-treated recycled water, and water transfers. The evaluation resulted in a preferred plan to meet the objectives and resulted in the following benefits: 1) increased groundwater production; 2) increased use of recycled water; 3) reducing peak imported water demand; and 4) water supply cost efficiency through multiple measures.

Western Municipal Water District

URBAN WATER MANAGEMENT PLAN

The Western Municipal Water District (WMWD) provides wholesale and retail water to the cities of Corona, Norco, and Riverside, other unincorporated areas, and the water agencies of Elsinore Valley and Rancho California. The WMWD consists of approximately 510 square miles within western Riverside County.

The WMWD Urban Water Management Plan (WMWD UWMP) identifies existing conditions within the District's retail water service area and addresses the long-term management of regional water supplies and ability to meet projected demands. Measures are identified for the long-term protection and provision of both potable and non-potable water to users within WMWD's General District.

INTEGRATED REGIONAL WATER MANAGEMENT PLAN

The Integrated Regional Water Management Plan (WMWD IRWMP) for the WMWD's service area addresses long-range water quantity, quality, and environmental planning needs within the District's service area. The WMWD IRWMP is intended to identify and evaluate water management strategies that could increase local water supply, thereby improving water supply reliability; address local and regional water quality, environmental, and disadvantaged community issues; identify regional planning efforts that impact water management within the WMWD's service area; estimate water demands by member agencies; identify water supplies

recycled water reclamation facilities, and water transfers and exchanges. The City receives water from four water and wastewater Districts:

- Rancho California Water District (RCWD)
- Elsinore Valley Municipal Water District (EVMWD)
- Western Municipal Water District (WMWD)
- Eastern Municipal Water District (EMWD)

The Elsinore Valley and Rancho California Water Districts encompass the largest land area within the City of Murrieta; refer to *Exhibit 5.15-1*, *Water District Service Area Boundaries*. The majority of the Focus Areas lie within the RCWD and EMWD. EVMWD, WMWD, and EMWD are both wholesale and retail water agencies. The RCWD is a retail agency. A portion of northeast Murrieta is not served by any water district, and residents in this area rely on wells; this area is commonly referred to as the "keyhole." Other, smaller areas throughout the City also lie outside the boundaries of all the water districts. The total existing water demand within the City of Murrieta is 34,953,699 gallons per day (gpd) or 39,179 acres feet per year (AF/Y); refer to *Table 5.15-1*, *Existing Water Demand*. *Table 5.15-1* averaged the RCWD Water Supply Generation Factor with the EVMWD Water Supply Generation Factor to calculate the entire City's existing water demand as these were the only available Water District Generation Factors. WMWD and EMWD were contacted but no Water District Generation Factors were made available. The WMWD and EMWD UWMPs were reviewed but didn't include Water District Generation Factors.

Due to the varied topography in the City, providing sufficient water pressure can be a challenge. Each water district maintains multiple pressure zones in the City with pump stations and reservoirs. In some areas, such as the western edge of the WMWD area, private pumping systems may be necessary to maintain adequate pressures beyond the meter connection.

POTABLE WATER SUPPLY – PROVIDERS/PURVEYORS

Water connection services within the City of Murrieta are provided by four water districts:

- Rancho California Water District
- Elsinore Valley Municipal Water District
- Western Municipal Water District
- Eastern Municipal Water District

Table 5.15-1
Existing Water Demand

Land Use	Units (du/sf/ac)	RCWD Generation Factor[1]	Water Demand	EVMWD Generation Factor[2]	Water Demand	Average gpd[3]
Rural Residential	543 du	3,000	1,629,000	750.0000	407,250	1,018,125
Single-Family Residential	28,062 du	1,500	42,093,000	750.0000	21,046,500	31,569,750
Multi-Family Residential	4,032 du	400	1,612,800	500.0000	2,016,000	1,814,400
Commercial	7,887,887 sf	0.0344	271,343.3128	0.0402	317,093	294,218
Office	1,372,863 sf	0.0344	47,226.4872	0.0689	94,590	70,908
Business Park	2,162,333 sf	0.0344	74,384.2552	0.0275	59,464	66,924
Industrial	978,469 sf	0.0344	33,659.3336	0.0689	67,417	50,538
Civic/Institutional	1,577,344 sf	0.0344	54,260.6336	0.0528	83,284	68,772
Parks & Open Space	1,833 ac	0.0002	0.366506	0.0689	126	63
Total	**-**	**-**	**45,815,674.39**	**-**	**24,091,724**	**34,953,699 gpd (39,179 AF/Y)**

Note: The RCWD Water Supply Generation Factor was averaged with the EVMWD Water Supply Generation Factor to calculate the entire City's existing water demand as these were the only available Water District Generation Factors. WMWD and EMWD were contacted but no Water District Generation Factors were made available. The WMWD and EMWD UWMPs were reviewed but didn't include Water District Generation Factors

1 = Rancho California Water District Water Supply Generation Factor
2 = Elsinore Valley Municipal Water District Water Supply Generation Factor
3 = Rancho California Water District Water Supply Generation Factor averaged with Elsinore Valley Municipal Water District Water Supply Generation Factor (the only available Water District Generation Factors) to calculate the entire City's existing water demand.
du = dwelling unit
sf = square foot
ac = acre
gpd = gallons per day
AF/Y = acres feet per year

Rancho California Water District[4]

The Ranch California Water District (RCWD) is a "Special District" organized and operated pursuant to the *California Water Code*. RCWD is governed by a seven-member Board of Directors (Board) that is elected by the voters of the region. RCWD serves as a retail water provider. RCWD serves the area known as Temecula/Rancho California, which includes the City of Temecula, portions of the City of Murrieta, and unincorporated areas of Riverside County. RCWD's existing water supplies include:

- Groundwater – Temecula and Pauba groundwater basins.
- Imported Water – Metropolitan Water District of Southern California's (MWD) Colorado River Aqueduct (CRA) and the State Water Project (SWP).

[4] RCWD 2005 Urban Water Management Plan.

- Recycled Water – Santa Rosa Water Reclamation Facility (SRWRF) operated by RCWD, and the Temecula Valley Regional Water Reclamation Facility (TVRWRF) operated by EMWD. RCWD has a vast infrastructure network to serve its service area.

As recently as 2010, RCWD's current service area represents 99,000 acres, and has 878 miles of water mains, ~~35~~ 37 storage reservoirs, one surface reservoir (Vail Lake), ~~53~~ 48 groundwater wells, and 133,200 people are served through ~~36,759~~42,988 service connections.[5]

Approximately 109,000 people are currently served by RCWD. RCWD receives its imported water (treated and untreated) through six MWD water turnouts (three in EMWD's service area, three in WMWD's service area). Water delivered to homes and businesses is a blend of well water (approximately 25 percent) and import water (approximately 75 percent). *Table 5.15-2, Rancho California Water District Planned Water Supplies Acre-Feet/Year* shows the planned water supply sources.

Table 5.15-2
Rancho California Water District Planned Water Supplies Acre-Feet/Year[6]

Water Supply Sources	2010	2015	2020	2025	2030
Imported Water (MWD)					
Treated	~~39,310~~37,214	~~32,410~~45,527	~~20,010~~50,723	~~14,100~~52,131	~~20,700~~52,577
Untreated [1]	~~15,500~~16,500	~~28,500~~16,500	~~38,500~~16,500	~~38,500~~16,500	~~38,500~~16,500
Local Groundwater Pumping	~~38,000~~25,000	~~38,000~~26,000	~~56,000~~26,000	~~56,000~~26,000	~~56,000~~26,000
Recycled Water	~~7,890~~4,593	~~9,090~~4,972	~~9,890~~3,854	~~24,300~~3,854	~~25,200~~3,854
Total	**~~100,700~~83,307**	**~~108,000~~92,999**	**~~124,400~~97,077**	**~~132,900~~98,485**	**~~140,400~~98,931**

Source: RCWD ~~Regional Integrated Resources Plan (CDM, 2005)~~projection for average annual water demand in the 2010 UWMP Update.
1. Used for groundwater recharge, ~~flows to Gorge~~surface water discharge to the Santa Margarita River, and eastern service area agriculture (after conversion of system).

RCWD does not add fluoride to its water supply; however, fluoride occurs naturally in RCWD's groundwater. The local water supplies are blended with water imported from the MWD. MWD started adding fluoride at each of its five water treatment plants in fall 2007, adjusting the natural fluoride level in water (ranging from 0.1 - 0.4 parts per million (ppm) to the optimal range of 0.7 - 0.8 ppm) as State regulations require that fluoridating systems comply with temperature-appropriate fluoride levels as indicated in Section 64433.2 of the *California Title 22 Code of Regulations*. RCWD's average fluoride level becomes 0.60 ppm, or milligrams per liter (mg/L). The maximum allowable level of fluoride at the state level is 2.0 mg/L. Moderate levels of fluoride are helpful in preventing tooth decay.

[5] The environmental baseline for the EIR is 2009 as stated in Section 3.0, Project Description. However, the Rancho California Water District provided an update to the 2009 data presented in the Draft EIR with 2010 data that has been included in the Final EIR.
[6] Ibid.

Near--Term and Long--Term Water Supply[7]

The implementation of RCWD's Regional Integrated Resources Plan (IRP), would allow the District to meet demands over the next 45 years in a sustainable and cost-effective manner. It would also reduce the dependency on treated imported water from MWD, and help hedge against droughts and other emergencies by maximizing local groundwater.

The IRP has determined that its local supply of groundwater and recycled water is 100 percent reliable for the period extending to 2030. To minimize fluctuations in groundwater production, the IRP recommends increasing groundwater recharge with additional purchases of imported water. This increase would permit increased withdrawals of groundwater while minimizing the chance of overdraft conditions and allow for storage of excess water for use in years when natural recharge is diminished as a result of hydrologic conditions. Recycled water supplies may insignificantly fluctuate during varying hydrologic conditions as conservation increases, but these slight fluctuations would not reduce the reliability of the recycled water supply. Normal year supplies vary and would continue to increase in the future as the population base in the service area increases requiring additional groundwater withdrawals and recycled water.

The IRP is designed to minimize any inconsistencies in its local supply sources and provide multiple flexible sources of water. Inconsistencies that could impact groundwater production include legal, environmental, water quality, and climatic conditions. Legal issues include use of groundwater basin by other producers, rights to store water at Vail Lake for recharge outside of the current period between November 1 and April 30. Environmental issues include disposal of brine associated with construction of a microfiltration/reverse osmosis (MF/RO) recycled water facility. Water quality issues revolve around contamination of groundwater basins, potential changes to water quality standards, and the use of MF/RO water for agricultural use.

RCWD's imported water supply is purchased through EMWD and WMWD, but is obtained directly from MWD's facilities. The agency demand projections for these two wholesalers are combined to arrive at one demand on MWD. Table 8-5 of the *2005 Update of the Urban Water Management Plan*, *Rancho California Water District* (refer to *Appendix N1*, *2005 Urban Water Management Plan)*, illustrates MWD's existing and planned sources of water for the period 2010-2030. In summary, through 2030, the total MWD current and planned source of water is 3,459,500 AFY.

MWD has determined in the Rancho California Water District UWMP (RCWD UWMP) that its resource mix is 100 percent reliable for non-discounted non-interruptible demands using previous dry periods for the forecast period 2005-2030. Even though MWD can reliably meet RCWD's demands, the capacity constraint issue associated with the turnouts would potentially cause future peak day water shortages after 2025. Implementation of RCWD's IRP would eliminate the capacity constraints and resolve any peak day water shortages.

[7] *2005 Update of the Urban Water Management Plan, Rancho California Water District, CDM, December 2005 (refer to EIR Appendix N1: 2005 Urban Water Management Plan).*

Overall, during single-dry and multiple-dry years RCWD's combined local and imported resource mix is 100 percent reliable for non-agricultural customers with implementation of RCWD's IRP. The IRP delineated supply sources are flexible and designed to supplement each other if one source is reduced.

Elsinore Valley Municipal Water District[8]

The Elsinore Valley Municipal Water District (EVMWD) was formed as a public agency in 1950 to protect local water supplies and import supplemental water. EVMWD serves as a retail and wholesale water provider in both incorporated and unincorporated areas in its 96 square miles service. Wholesale services are provided to two retail agencies as supplemental water. EVWMD also provides wastewater treatment and is legally empowered to provide stormwater disposal and fire protection facilities, but does not do so at this time.

EVMWD's service area is divided into the Elsinore and Temescal Divisions. Only the Elsinore Division is within the upper watershed. The Elsinore Division serves approximately 32,000 accounts, while the Temescal Division serves approximately 900 accounts. *Table 5.15-3, Elsinore Valley Municipal Water District Planned Water Supplies Acre-Feet/Year* shows EVMWD's water supply projections for its entire service area to wholesale and retail customers. This table is a summary of the data presented in the EMWD Urban Water Management Plan.

Table 5.15-3
Elsinore Valley Municipal Water District Planned Water Supplies Acre-Feet/Year

Water Supply Sources	2010	2015	2020	2025	2030
Total[1]	**66,590**	**66,690**	**66,690**	**72,627**	**77,919**

Source: Elsinore Valley Municipal Water District 2005 Urban Water Management Plan
1. The projected normal water year supply includes local groundwater and surface water as well as imported Metropolitan Water District of Southern California (MWDSC) water sources.

EVMWD water supply sources include:

- Imported water – from MWD via EMWD and WMWD, resulting in a blend of State Water Project (SWP) and Colorado River Aqueduct (CRA) water.
- Groundwater – local potable sources include Elsinore Basin, Temescal Valley Basin, San Bernardino Bunker Hill Basin, Rialto-Colton and Riverside-North Basin, and Coldwater Basin; non-potable sources include Elsinore Basin, Bedford Basin, and Coldwater Basin.
- Surface Water – potable from natural runoff to Canyon Lake and imported untreated water from MWD via WMWD; non-potable from Lee Lake, Temescal Wash, Horsethief Canyon, and Indian Canyon

[8] EVMWD 2005 Urban Water Management Plan.

- Recycled Water – non-potable water from the Regional Water Reclamation Facility, Railroad Canyon Water Reclamation Facility, and Horsethief Canyon Water Reclamation Facility.

- Transfers/Exchanges – WMWD.

EVMWD receives imported water from WMWD treated at MWD's Skinner Filtration Plant through the Auld Valley Pipeline. Under a Water Facility Capacity Agreement for the Auld Pipeline, EVMWD has rights to purchase a maximum flow rate of ~~3.75~~37.50 cubic feet per second (cfs) from EMWD through its connection to MWD. Under the agreement WMWD obtains the water from EMWD and then sells it to EVMWD.

EVMWD also obtains imported water treated at MWD's Mills Filtration Plant through the Temescal Valley Pipeline via WMWD's Mills Gravity Pipeline. EVMWD has entered into lease agreements for capacity rights for a total of 21 cfs from the Mills Gravity Pipeline.

EVMWD has multiple sources of non-potable water: groundwater, surface water, and recycled water. EVMWD operates the Temescal Valley Pipeline System delivering non-potable well water to agricultural users in the Temescal Valley. Non-potable surface water is obtained from multiple lakes in the region. Wastewater is treated to tertiary standards for non-potable use by three water reclamation plants: Regional, Horsethief, and Railroad Canyon. In the future, additional recycled water may be available from another proposed wastewater treatment plant and from a disposal pipeline carrying treated water from EMWD's Temecula Valley Effluent Disposal Pipeline and RCWD's Santa Rosa Water Reclamation Facility. The disposal pipeline passes through EVMWD's service area.

Near-~~-~~Term and Long-~~-~~Term Water Supply[9]

The projected normal water year supply includes local groundwater and surface water as well as imported MWDSC water sources. Table 5.15-3 above summarizes the projected normal water year supply until 2030. According to the *Urban Water Management Plan*, *Elsinore Valley Municipal District* (refer to *Appendix M1*, *2005 Urban Water Management Plan)*, current and anticipated future supplies are sufficient to meet the projected normal year water demand through 2030.

EVMWD has predicted that sufficient supply also exists to meet the current and anticipated future demands for both single dry year and multiple dry year requirements through 2030. Dry years may prompt additional water conservation measures to ensure sufficient supply is maintained. After 2020, additional water from the MWDSC, not including the supply already planned for through the Auld Valley Pipeline (AVP) and Temescal Valley Pipeline (TVP), would be imported to supply increasing maximum day demand (MDD).

[9] *Urban Water Management Plan Final Report, Elsinore Valley Municipal Water District, MWH, December 2005 (refer to EIR Appendix M1: 2005 Urban Water Management Plan).*

Near-Term and Long-Term Water Supply[11]

The projected normal water year supply includes both potable water from the SWP for various uses and the untreated non-potable water from the CRA for agricultural and landscape irrigation. Wholesale water sales also comprise a portion of the supply Western receives from MWD. As mentioned above and according to the *Urban Water Management Plan, Western Municipal District* (refer to *Appendix O1, 2005 Urban Water Management Plan)*, MWD has projected that sufficient supplies exist to meet the demands for their agencies through 2030

Also mentioned above, MWD has predicted that sufficient supply also exists to meet demands for both single dry year and multiple dry requirements through 2030. As required, droughts may prompt additional water conservation measures to ensure sufficient supply is maintained. However, normal demands are used to provide conservative estimations of demand. MWD has projected that sufficient supplies exist to meet demands during dry years for their agencies. Therefore, supplies would equal demands since MWD would deliver the needed quantities of water while placing supplies not required on a yearly basis into storage for use in emergency conditions or droughts. The Riverside/Corona Feeder project would provide infrastructure to allow WMWD to purchase SWP water from MWD, store it in the San Bernardino Basin Area, and extract as needed.

Eastern Municipal Water District[12]

The Eastern Municipal Water District (EMWD) is public water agency formed in 1950. EMWD is governed by a five-member Board of Directors that is elected by voters within district boundaries. EMWD serves a 555-square mile service area in western Riverside County and in most areas provides retail water and sewer service. EMWD also provides wholesale and retail water service to multiple subagencies including RCWD.

EMWD receives water from the following sources:

- Imported Water – MWD (State Water Project and Colorado River Aqueduct).
- Recycled Water.
- Groundwater – San Jacinto Watershed groundwater that is desalinated for potable use. However, within the Santa Margarita Watershed portion of EMWD's service area, EMWD serves and wholesales imported water, but not groundwater. They have no plans to serve this area with groundwater.

Imported water received from MWD is treated at two treatment plants: Henry J. Mills (Mills) and Robert F. Skinner (Skinner). At Mills, SWP water is treated and at Skinner a combination of

[11] *Urban Water Management Plan, Western Municipal Water District, 2005 (refer to EIR Appendix O1: 2005 Urban Water Management Plan).*

[12] EMWD 2005 Urban Water Management Plan.

SWP and CRA water is treated. Untreated water supplied by MWD is treated by EMWD at a microfiltration plant in Perris. An additional microfiltration plant is located in Hemet.
EMWD is increasing the use of recycled water, through expansion and maximization of the four regional water reclamation facilities. As stated in the EMWD UWMP, EMWD's recycled water distribution system includes 135 miles of large diameter transmission pipelines, 6,000 AF of surface storage reservoirs (ten separate sites) and four regional pumping plants. EMWD wastewater collection systems include: 1,534 miles of gravity sewer, 53 lift stations, and five regional water reclamation facilities, with interconnections between local collection systems serving each treatment plant.

Table 5.15-5, *Eastern Municipal Water District Planned Water Supplies Acre-Feet/Year*, shows EMWD's projected water supply sources for the entire district.

Table 5.15-5
Eastern Municipal Water District Planned Water Supplies Acre-Feet/Year

Water Supply Sources	2010	2015	2020	2025	2030
Imported Water (MWD)	90,100	104,300	121,300	133,900	144,300
Groundwater	38,800	42,000	42,200	42,000	41,900
Recycled Water	32,400	36,700	40,300	44,000	47,000
Desalinated Water[1]	7,500	12,000	12,000	12,000	12,000
Total	**168,800**	**195,000**	**215,800**	**231,900**	**245,200**

Source: Eastern Municipal Water District 2005 Urban Water Management Plan.
[1] Desalinated water is not used in the Upper Santa Margarita Watershed.

Near-~~-~~Term and Long-~~-~~Term Water Supply[13]

According to the *Urban Water Management Plan*, *Eastern Municipal District* (refer to *Appendix L1: 2005 Urban Water Management Plan*), EMWD has the supply needed to meet the demand of its customers through 2030. The conclusion is based on the assurances of MWD that it would be able to supply member agency demands, the reliability of local groundwater supplies achieved through groundwater management plans and the development of recycled water resources.

In addition to meeting the demand for a normal dry year, the law requires that water suppliers meet the need of its customers during a single dry year. For EMWD, meeting the minimal increase in demand due to a dry winter is accomplished through increasing the imports from MWD and utilizing groundwater production. MWD assures its member agencies that their needs would be met even during dry years. The groundwater management plans assure that water recharged into the basins in wet years would be available in dry years.

[13] *Urban Water Management Plan, Eastern Municipal Water District, 2005 (refer to Appendix L1: 2005 Urban Water Management Plan).*

During multiple dry years, resource planning by EMWD and MWD insures that consumer demands for water would be met. Since local resources are stable during a multiple dry year event and MWD resources are affected by weather fluctuations, the 1990-1992 hydrology conditions were considered. These were the dry years considered by MWD in planning for the worst case multiple dry year scenarios. With the assurance of MWD and the reliability of EMWD's groundwater and recycled water, EMWD is confident of its ability to meet demand through 2030.

5.15.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, water supply and distribution systems impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Have adverse effects of water supplies sufficient water supplies available to serve the project from existing entitlements and resources, or require new or expanded entitlements need.

- Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.15.4 PROJECT IMPACTS AND MITIGATION MEASURES

WATER SUPPLY AND DISTRIBUTION

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INCREASED DEMAND FOR WATER SUPPLIES AND INFRASTRUCTURE WITHIN THE CITY.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis:

Water Supply

Implementation of the proposed General Plan 2035 would result in additional development, resulting in an increase in the City's population and businesses, and thus, an overall increase in total water demand.

~~As stated,~~ T~~t~~he City relies on water connection services provided by four water districts: RCWD, EVMWD, WMWD, and EMWD. The UWMPs for all four water districts provide a long-range (25-year) assessment of water supply for each service area, which includes the City of Murrieta. An UWMP serves as a source document for cities and counties as they prepare their General Plans. Each water district has its own 2030 service area population projection derived from housing projections, SCAG projections, and persons per household data. The studies assess water supply to forecast year 2030 taking into consideration groundwater, imported, recycled and surface water supplies, as well as wastewater. In addition to water supply, the UWMPs address efficient use of water, demand management measures, implementation strategies and schedules, and other relevant information and programs.

The 2005 UWMPs prepared for RCWD, EVMWD, WMWD, and EMWD indicate there are sufficient water supplies based on normal, dry and multiple dry years and water shortage contingency plans to meet~~protect~~ existing and future regional water needs through 2030. According to the UWMPs for each water district, the total planned water supply through 2030 for the RCWD, EVMWD, WMWD, and EMWD is ~~140,400~~98,931 AF/Y, 77,919 AF/Y, 241,649 AF/Y, and 245,200 AF/Y, respectively for a combined water supply of ~~705,168~~663,699 AF/Y; refer to *Table 5.15-2*, *Table 5.15-3*, *Table 5.15-4*, and *Table 5.15-5*. The City currently consumes approximately 39,179AF/Y[14] of water resources to meet all constituent existing demands; refer to *Table 5.15-1*. It is anticipated that water demand ~~would gradually increase~~ associated with implementation of the proposed General Plan 2035 would increase by~~to~~ approximately 13,946.036 gpd or 15,632 AF/Y[15] in the year 2035; refer to *Table 5.15-6*, *Forecast Year 2035 Water Demand*. The proposed General Plan 2035 growth would require only ~~0.0222~~2.36 percent of the 2030~~anticipated~~ water supply from these four water districts. *Table 5.15-6* averaged the RCWD Water Supply Generation Factor with the EVMWD Water Supply Generation Factor to calculate the entire City's existing water demand as these were the only available Water District Generation Factors. WMWD and EMWD were contacted but no Water District Generation Factors were made available. The WMWD and EMWD UWMPs were reviewed but didn't include Water District Generation Factors.

[14] Rancho and Elsinore Water District generation factors (averaged the generation factors to calculate the entire City's existing water demand).

[15] Rancho and Elsinore Water District generation factors (averaged the generation factors to calculate the entire City's forecast year 2035 water demand).

Table 5.15-6
Forecast Year 2035 Water Demand

General Plan 2035 Land Use	Units (du/sf/ac)	RCWD Generation Factor[1]	Water Demand	EVMWD Generation Factor[5]	Water Demand	Average gpd[8]
Residential	10,734 du	1,500[2]	16,101,000	750.0000[6]	8,050,500	12,075,750
Non-Residential[4]	36,210,757 sf	0.0344[3]	1,245,650.041	0.0689[7]	2,494,921	1,870,286
Total	**-**	**-**	**17,346,650.004**	**-**	**10,545,421**	**13,946.036 gpd (15,632 AF/Y)**

Note: General Plan 2035 dwelling units and square footage represents growth over existing conditions.
Note: The RCWD Water Supply Generation Factor was averaged with the EVMWD Water Supply Generation Factor to calculate the entire City's existing water demand as these were the only available Water District Generation Factors. WMWD and EMWD were contacted but no Water District Generation Factors were made available. The WMWD and EMWD UWMPs were reviewed but didn't include Water District Generation Factors
1 = Rancho California Water District Water Supply Generation Factor
2 = Rancho California Water District Water Supply Generation Factor for single-family residential
3 = Rancho California Water District Water Supply Generation Factor for commercial, office & research park, business park, and civic/institutional.
4 = Non-residential land uses include commercial, office and research park, business park, and civic/institutional.
5 = Elsinore Valley Municipal Water District Water Supply Generation Factor
6 = Elsinore Valley Municipal Water District Water Supply Generation Factor for single-family residential and rural residential
7 = Elsinore Valley Municipal Water District Water Supply Generation Factor for office and research park
8 = Rancho California Water District Water Supply Generation Factor averaged with Elsinore Valley Municipal Water District Water Supply Generation Factor (the only available Water District Generation Factors) to calculate the entire City's forecast year 2035 water demand.
du = dwelling unit
sf = square foot
ac = acre
gpd = gallons per day
AF/Y = acres feet per year

The 2005 UWMPs have a 25-year planning horizon to 2030, which includes the 2030 growth projections for the existing Murrieta General Plan (1994, amended 2006). The existing General Plan projects a total of 40,845 dwelling units and 49,073,504 square feet of non-residential uses. These uses generate a water demand of 54,355.52 AF/Y, which represents 8.19 percent of the total anticipated supply of the four water districts in 2030. As a point of comparison, the proposed General Plan 2035 includes 44,484 dwelling units and 50,189,652 square feet of non-residential uses. These uses generate a water demand of 59,009.68 AF/Y, which represents 8.89 percent of the total anticipated supply of the four water districts in 2030. The incremental increase of the proposed General Plan 2035 represents a 0.70 percent increase over what is currently accounted in the 2005 UWMPs.

Based upon the 2005 UWMPs, the four water districts would have adequate water supplies based on normal, dry and multiple dry years and water shortage contingency plans to meet the future regional water needs, including the growth anticipated with the proposed General Plan 2035,

through 2030. It is too speculative to determine 2035 water supplies at this time.[16] The water suppliers are planning to meet increased demand and reduce dependence on imported water. Their plans include water storage and groundwater recharge, treatment of wastewater to supply recycled water, and treatment of other non-potable water sources to increase potable water supply. RCWD plans to create additional wells and construct a facility to reduce the salinity of recycled water for agricultural use. EVMWD plans to increase its supplies of imported water and construction additional wells. WMWD plans include developing additional storage and pipeline infrastructure, and seeking diversions from the Santa Ana River. EMWD is seeking to increase water supplies through investment in facilities that treat wastewater, groundwater, and raw water from the State Water Project.

Groundwater recharge is part of most plans to ensure future water supplies. RCWD plans to expand groundwater recharge in the Pauba Valley Basin. EVMWD has prepared a groundwater management plan for the Elsinore Basin to reduce overdraft and improve groundwater supply reliability, which includes replenishment. EMWD does not draw groundwater in the southern part of its service area, where the City lies, but is involved in groundwater recharge in the San Jacinto Watershed.

The City's *Municipal Code* (Section 16.27 Water Efficient Landscape) promotes water efficient landscaping, water use management, and water conservation through the use of water efficient landscaping, wise use of turf areas and appropriate use of irrigation technology and management. The code also achieves water conservation by raising the public awareness of the need for an effective management program through education and incentives.

Future development would be reviewed by the City on a project-by-project basis to ensure adequate water supplies are available to accommodate future projects. The proposed General Plan 2035 Conservation Element includes goals and policies to ensure that a reliable water supply can be provided within the City's service area, while remaining sensitive to the climate. The proposed General Plan 2035 also includes goals and policies that promote water conservation through the use of reclaimed water and water conservation design and technology. Goal CSV-1 promotes conservation, protection, and management of water resources to meet long-term community needs, including surface waters, groundwater, imported water supplies, storm water, and waste water. Goal CSV-2 promotes compliance with requirements from the State and appropriate agencies regarding comprehensive water conservation measures to ensure sufficient water supplies for human consumption, sanitation, and fire protection. Residents and businesses in Murrieta ~~will~~ would also need to play a role in using water resources efficiently, and this ~~will~~ would be encouraged through education and incentives from the City and water agencies. With adherence to the proposed General Plan 2035 goals and policies and the City of Murrieta *Municipal Code Water Efficient Landscape Ordinance*, compliance with the applicable

[16] This EIR is based upon the 2005 UWMPs, which were the most recently adopted UWMPs at the time the EIR was prepared. As of February 2011, the four water districts began the process of updating their 2005 UWMPs to 2010. The 2010 UWMPS will have a horizon year of 2035, but were not completed prior to release of the Draft EIR. The City of Murrieta will provide all four water districts with the Draft General Plan 2035 growth projections for inclusion in the 2010 UWMPs, as required by the California Government and Water Codes.

UWMPs and Master Plans of all four water districts, coordination between the City and water districts and that ~~fact~~ Murrieta would only use ~~0.0222~~2.36 percent of the anticipated water from these four water districts, water supply and infrastructure impacts associated with the proposed General Plan 2035 would be reduced to a less than significant level.

Water Infrastructure

Water conservation in Southern California became increasingly important in the 1980s and early 1990s, when the entire region suffered a severe drought. Drought conditions in southern California directly affect groundwater recharge and groundwater supplies. According to the Master Plans of each water district, the existing water distribution systems are generally adequate in meeting demand. However, several operational improvements have been recommended within the Master Plans to increase each system's reliability and efficiency, and to reduce the cost of delivering water within each of the four water districts in anticipation of future growth. Recommendations include additional water treatment plants, wells, storage reservoirs, booster stations, pressure regulating stations and pipelines as well as pipeline replacement and increased adequate fire flows. The Master Plans prioritize each recommended project and indicate when each project should be implemented. These improvements are planned to occur within the buildout period of 2030 for each Water Master Plan and UWMP of each of the four water districts.

Currently, portions of the North Murrieta Business Corridor, South Murrieta Business Corridor, and the Golden Triangle North (Central Murrieta) Focus Areas, along with parcels in the "key hole" area, which includes the Los Alamos Hills (refer to *Exhibit 5.15-1*), are not located within a water district and operate on individual well systems. For the North Murrieta Business Corridor Focus Area, the area generally north of Clinton Keith Road, west of Meadowlark Lane, south of Baxter Road and east of Menifee Road is not within a water district. For the South Murrieta Business Corridor Focus Area, a small portion north of the I-15 and east of the 1-215 freeway and including parcels both north and south of Jackson Avenue, and parcels generally east of Guava Street, south of Adams Avenue, west of Fig Street, and north of Washington Avenue are not within a water district. For the Golden Triangle North (Central Murrieta) Focus Area, only a small portion just north of the I-15 freeway east of Juniper Street is not within a water district. It is anticipated that future development within these areas would annex to the appropriate water district for service and connection to the infrastructure systems.

New development would be required to pay its share of the costs of infrastructure improvements necessary to accommodate the project. Water districts ~~will~~ would need to ensure their water reclamation facilities and pipeline infrastructure are planned and installed according to their UWMP projections. Additionally, coordination between the City and water districts ~~will~~ would be essential as further development is planned. Furthermore, the City has identified the protection and conservation of its existing and future water resources within the proposed General Plan 2035 Infrastructure Element goals and policies. Policies INFR-1.1 through INFR 1.7 of the proposed General Plan 2035 Infrastructure Element require new development and redevelopment projects to ensure that water infrastructure systems are adequate to serve the

Impact Analysis: Cumulative water impacts are analyzed in terms of impacts to water supplies and facilities operated by the four water districts: RCWD, EVMWD, WMWD, and EMWD. The water supply in the City comes from local sources of groundwater and surface water, imported from the Metropolitan Water District's Colorado River Aqueduct and the State Water Project, recycled water reclamation facilities, and water transfers and exchanges. The City receives water from four water and wastewater Districts: RCWD, EVMWD, WMWD, and EMWD. The Elsinore Valley and Rancho California Water Districts have the largest service areas within the City of Murrieta.

The UWMPs for all four water districts provide a long-range assessment of water supply for each service area, which includes the City of Murrieta. An UWMP serves as a source document for cities and counties as they prepare their General Plans. Each water district has its own 2030 service area population projection derived from housing projections, SCAG projections, and persons per household data. The studies assess water supply to forecast year 2030 taking into consideration groundwater, imported, recycled and surface water supplies, as well as wastewater. In addition to water supply, the UWMPs address efficient use of water, demand management measures, implementation strategies and schedules, and other relevant information and programs. The 2005 UWMPs prepared for RCWD, EVMWD, WMWD, and EMWD indicate there are sufficient water supplies and water shortage contingency plans to protect existing and future regional water needs.

Future development projects in Murrieta and the Sphere of Influence would be evaluated by the City, Riverside County, and applicable water district on a project-by-project basis to determine impacts to water supplies and infrastructure. The continued assessment of individual projects for impacts to the water supply system would assure projects would only be approved if adequate water supplies exist at the time of their implementation. New development would be required to pay its share of the costs of infrastructure improvements necessary to accommodate the project. Water districts ~~will~~ would need to ensure their water reclamation facilities and pipeline infrastructure are planned and installed according to their UWMP projections. Additionally, coordination between the City and water districts ~~will~~ would be essential as further development is planned. Furthermore, with adherence to the proposed General Plan 2035 goals and policies and the City of Murrieta *Municipal Code Water Efficient Landscape Ordinance*, compliance with the UWMPs and Master Plans of all four water districts, coordination between the City and water districts and that fact Murrieta would only use ~~0.0222~~0.0236 percent of the anticipated water from these four water districts, impacts regarding water supply, distribution, and infrastructure would be further reduced to less than significant levels. Therefore, implementation of the proposed General Plan 2035 would not result in cumulatively considerable water supply and infrastructure impacts.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.15.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.16.4 PROJECT IMPACTS AND MITIGATION MEASURES

■ IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INCREASED DEMAND FOR WASTEWATER SERVICES AND INFRASTRUCTURE.

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Implementation of the proposed General Plan 2035 would potentially result in additional development, resulting in an increase in the City's population and businesses, and thus, an overall increased demand on the existing sewer system from increased sewage flows. As indicated in *Table 5.16-5*, *Net Increase in Wastewater Generation Under General Plan 2035* buildout under the proposed General Plan 2035 would generate an additional 6,403AF/Y of effluent sewer flow to the existing sewer conveyance system. According to *Table 5.16-1* and *Table 5.16-3*, the total planned wastewater collection of 8,532 AF/Y for SRWRF and 85,785 AF/Y for EMWD, a total of 94,317 AF/Y, is anticipated for year 2035. The General Plan 2035 would only utilize approximately ~~0.0679~~6.79 percent of the anticipated wastewater collection from SRWRF and EMWD.

Wastewater collection for the City is provided by the same four water districts that provide potable water to the City: RCWD, EVMWD, WMWD, and EMWD. Only RCWD and EMWD provide wastewater treatment.

Table 5.16-5
Net Increase in Wastewater Generation Under General Plan 2035

Land Use	Units	Generation Factor[1]	Gallons Per Day	Gallons Per Year	Million Gallons Per Day	AF/Y
Residential	10,734	100 g/p/d	3,220,200	1,175,373,000	3.2202	3,608.40
Non-Residential[2]	831.284 acres	3000 g/a/d	2,493,852	910,255,980	2.4939	2,794.49
Total	**-**	**-**	**5,714,052**	**2,085,628,980**	**5.7141**	**6,402.88**

[1] *City of Murrieta GP Draft EIR*, Table 4.6-4, *Murrieta Wastewater Generation Existing and Future With Project*, Generation Factors from Eastern Municipal Water District, December 1993
[2] Non-residential land uses include commercial, office and research park, business park, and civic/institutional.
g/p/d = gallons per person per day
g/a/d = gallons per acre per day
AFY = acres feet per year

updated every four years; therefore, SCAG's 2012 RTP growth forecast would take into account the growth associated with the City of Murrieta's adopted General Plan at that time.

Water conservation will be a key factor in reducing the amount of wastewater generated per household. Further development in areas of the City where sewer infrastructure is not available may require additional alternative on-site water treatment systems. The proposed General Plan 2035's Infrastructure and Conservation Elements includes goals and policies to ensure wastewater conveyance, treatment facilities, and disposal is adequate to service development associated with implementation of the General Plan 2035. Infrastructure Element Policies INF-1.9 and 1.10 encourage the water districts to maintain, improve, and replace aging wastewater systems to ensure services to all areas of the community and in a way that also respects the natural environment. Policy INF-1.8 encourages consultation with the water districts and the RCFCWCD to ensure that fee structures are sufficient for new development and redevelopment to pay its fair share of the cost of infrastructure for sewer. Additionally, the increase in population is anticipated to occur throughout the General Plan forecast year of 2035, allowing for development of necessary services and infrastructure to accommodate the proposed growth. With the anticipated expansion of the EMWD and RCWD treatment facilities, City coordination with the water districts, implementation of the proposed General Plan 2035 goal and policies, and mitigation measures requiring individual development projects to verify sufficient wastewater transmission and treatment plant capacity is available to serve the proposed development, impacts would be reduced to a less than significant level. Furthermore, the General Plan 2035 would only use approximately ~~0.0679~~6.79 percent of the anticipated wastewater collection from SRWRF and EMWD. Therefore, impacts are less than significant in this regard; however Mitigation Measures have been recommended for future development projects to ensure that impacts remain at less than significant levels.

Goals and Policies in the Proposed General Plan 2035:

INFRASTRUCTURE ELEMENT

Goal INF-1 New development and redevelopment is coordinated with the provision of adequate infrastructure for water, sewer, storm water, and energy.

Policies

INF-1.1 Encourage future development to occur in areas where infrastructure for water, sewer, and storm water can most efficiently be provided.

INF-1.2 Discourage development in areas isolated from existing infrastructure.

INF-1.3 Encourage the annexation of unserved areas into water district service areas.

Natural Environment	*Protect the natural beauty of the mountains, hills, and waterways.*
Rural Areas	*Preserve elements of Murrieta's rural heritage.*
Community Character	*Protect and foster a strong sense of community and safety, as well as the "small~~home~~ town" feeling.*
Recreation and Culture	*Provide abundant parks and facilities for recreational activities, and cultural amenities.*
Historic Downtown Murrieta	*Create a vibrant, prosperous Historic Downtown that serves as a community center and provides a variety of quality shopping and dining experiences.*
Governance	*Promote community involvement and provide for a fiscally sound future.*
Sustainable Economy	*Pursue economic vitality and longevity by attracting higher education and growing a base of clean industry, while maintaining the current housing affordability.*
Transportation	*Improve roadway networks to reduce traffic, and provide a citywide system of bicycle lanes and recreational trails that improve accessibility without a car.*
Infrastructure and Services	*Improve health care within the City, and continue to provide excellent school, police, fire, library, and recreation services.*
Youth Amenities	*Provide ample activities for all ages of youth, and jobs for teens.*

- ***Land Use Alternatives.*** The next major phase in the planning process considered and analyzed different scenarios for land use change, with several opportunities for community input.

  Before commencing work on the General Plan 2035, the City Council decided on four "Focus Areas" that were targeted for land use change:

  - North Murrieta Business Corridor
  - Clinton Keith/Mitchell Area

Determination of Alternatives to Be Analyzed

Key factors used to determine the range of feasible alternatives to the proposed General Plan 2035 include the objectives established for the EIR process, the City Council's number one priority of Economic Development, and ~~along with~~ the community values and vision for the General Plan 2035.

The basic objectives of the proposed General Plan 2035 and General Plan EIR are set forth specifically and in detail in Section 3.3, Statement of Objectives. Section 3.2, Background, provides the framework for the economic development foundation for the General Plan 2035, and is summarized in the following sentences. The City Council established a Comprehensive Economic Development Strategy in October 2008, making economic development of Murrieta the number one priority for the City. The Strategy served as one of the key factors to initiate a comprehensive General Plan Update. The update process involved a number of steps, including but not limited to, visioning and community involvement that led to the establishment of ten community priorities; a complete revision to all the elements, and the addition of new elements. The community priorities are reflected throughout the General Plan 2035, and have been previously stated in this Section. The land use alternatives for the General Plan Update were developed based upon the City Council's number one priority along with the City's goal to revitalize and make Murrieta a regional hub of economic activity. Both of these served as key driving factors for the update and ultimately to the City Council and Planning Commission selection of a Recommend Land Use Scenario and two additional alternatives (Scenario A and Scenario B). The land use changes identified in the Land Use Element that make way for this revitalization and economic activity are the cornerstones of General Plan 2035.

~~Community priorities have been previously stated in this section.~~ With these factors in mind, the following alternatives have been identified for detailed analysis in this section:

- No Project/Existing General Plan
- Scenario A
- Scenario B

ALTERNATIVES ANALYSIS

Potentially significant impacts that would result from implementation of the proposed General Plan 2035 are identified in Section 5.0, Environmental Analysis, which indicates that the proposed General Plan 2035 would result in significant and unavoidable impacts related to:

- ~~***Land Use***~~
  - ~~Consistency with the Riverside County Airport Land Use Compatibility Plan~~
- *Traffic*
  - Roadway Segments Exceeding LOS Standards (LOS D, E, or F) – Project and

6.2.2 IMPACT EVALUATION

LAND USE

Two objectives of the proposed General Plan 2035 are to provide comprehensive and concise land use designations that better reflect the land use vision for the City and to update the General Plan development projections to the year 2035. The No Project/Existing General Plan Alternative land use designations do not adequately address the development patterns and land use vision for the City. Further, this Alternative does not include a land use plan that reflects the current development projections for future years. Under the No Project/Existing General Plan Alternative, the existing Land Use Element would continue to provide outdated information that does not reflect the current conditions or goals of the City. This Alternative would prevent the City from achieving some of the core objectives of the 2035 General Plan, including economic revitalization, job creation, and healthy community goals. The proposed General Plan 2035 revises and updates the existing Land Use Element, including establishing Focus Areas for future growth that reflect the economic development priorities of the City. The General Plan 2035 proposes removal of the MU-1, MU-2, and MU-3 land use and zoning designations and the introduction of a mixed-use land use designation. The proposed General Plan 2035 provides updated land use information for the City, including land uses that have changed over time and may not be reflective of the existing General Plan's land use designations. It establishes the policy foundation to address current and anticipated buildout conditions over the next 25 years. The existing inconsistency impact with the *Riverside County Airport Land Use Compatibility Plan* associated with the French Valley Airport would continue to occur with this Alternative, as no new policies would be included to address the inconsistency.~~, similar to the proposed General Plan 2035~~. In this regard, the No Project/Existing General Plan Alternative is considered environmentally inferior to the proposed General Plan 2035.

POPULATION, HOUSING, AND EMPLOYMENT

Two objectives of the proposed General Plan 2035 are to update the City's environmental baseline conditions to 2009 and to update the General Plan development projections to the year 2035 for dwelling units, non-residential square footage, population, and employment. The No Project/Existing General Plan Alternative does not reflect the most current population, employment, and housing numbers or projections, nor does it provide quantitative population, employment, and housing projections for future years. The existing General Plan was adopted in 1994 with amendments in 2006, and therefore does not address current conditions or plan for anticipated growth within the City over the next 25 years. In contrast, the proposed General Plan 2035 reflects the current priorities of the City, including economic development and increased employment opportunities within the City. The No Project/Existing General Plan Alternative does not provide for the type and intensity of non-residential development within specific Focus Areas of the City in order to achieve these priorities to the extent of the General Plan 2035. Further, the jobs/housing balance would not be improved to the extent of the General Plan 2035. Therefore, the No Project/Existing General Plan Alternative is considered environmentally

would allow for the development of additional multiple-family residential uses within the Clinton Keith/Mitchell and North Murrieta Business Corridor Focus Areas, when compared to the General Plan 2035. These land use changes would continue to provide consistent and compatible development within the City and be consistent with Federal, State, and regional plans, policies, or regulations, similar to the proposed General Plan 2035. Similar to the proposed General Plan 2035, this Alternative would provide additional land use policies for consistency with the ~~However, the existing inconsistency impact with the~~ *Riverside County Airport Land Use Compatibility Plan* associated with the French Valley Airport~~ would continue to occur with this Alternative, similar to the proposed General Plan 2035~~. The Scenario A Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035.

POPULATION, HOUSING AND EMPLOYMENT

The Scenario A Alternative would update the City's environmental baseline conditions to 2009 and update the General Plan development projections to the year 2035, similar to the General Plan 2035. Development projections include projections for dwelling units, non-residential square footage, population, and employment. The Scenario A Alternative would provide the most current population, housing, and employment numbers or projections, and quantitative population, employment, and housing projections for future years. Although the Scenario A Alternative reflects the current priorities of the City, including economic development and increased employment opportunities within the City, it does not provide the amount of non-residential development to achieve these priorities to the extent of the proposed General Plan 2035. The Scenario A Alternative would provide for greater residential development (7,544 more dwelling units) and decreased non-residential development (2,822,894 fewer square feet of non-residential uses) when compared to the proposed General Plan 2035. As indicated in Section 5.2, Population, Housing, and Employment and Section 7.0, Other CEQA Considerations, potential buildout of the proposed General Plan 2035 would result in 44,484 dwelling units and 130,153 jobs, resulting in a jobs/housing ratio of approximately 2.9. A ratio of 1.0 or greater generally indicates that a City provides adequate employment opportunities, potentially allowing its residents to work within the City. A desirable jobs/housing balance improves regional mobility (traffic), reduces vehicle miles traveled, and improves air quality. Potential buildout of the Scenario A Alternative would result in 44,640 dwelling units and 118,783 jobs, resulting in a jobs/housing ratio of approximately 2.7. Although the Scenario A Alternative would provide an improved jobs/housing balance over existing conditions, it would not be improved to the extent of the proposed General Plan 2035. Therefore, the Scenario A Alternative is considered environmentally inferior to the proposed General Plan 2035 in this regard.

AESTHETICS

Both the Scenario A Alternative and the proposed General Plan 2035 would encourage preservation of existing residential neighborhoods within the City. Vacant land within the City

time and may not be reflective of the existing General Plan's land use designations. It establishes the policy foundation to address current and anticipated buildout conditions over the next 25 years. The Scenario B Alternative would involve changes to land use designations that would allow for the development of additional multiple-family residential uses within the Clinton Keith/Mitchell, North Murrieta Business Corridor, and Multiple Use 3 Focus Areas, when compared to the General Plan 2035. These land use changes would continue to provide consistent and compatible development within the City and be consistent with Federal, State, and regional plans, policies, or regulations, similar to the proposed General Plan 2035. ~~However, the existing inconsistency impact~~ Similar to the proposed General Plan 2035, this Alternative would provide additional land use policies for consistency with the *Riverside County Airport Land Use Compatibility Plan* associated with the French Valley Airport ~~would continue to occur with this Alternative, similar to the proposed General Plan 2035~~. The Scenario B Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035.

POPULATION, HOUSING, AND EMPLOYMENT

The Scenario B Alternative would update the City's environmental baseline conditions to 2009 and update the General Plan development projections to the year 2035, similar to the General Plan 2035. Development projections include projections for dwelling units, non-residential square footage, population, and employment. The Scenario B Alternative would provide the most current population, housing, and employment numbers or projections, and quantitative population, housing, and employment projections for future years. Although the Scenario B Alternative reflects the current priorities of the City, including economic development and increased employment opportunities within the City, it does not provide the amount of non-residential development to achieve these priorities to the extent of the proposed General Plan 2035. The Scenario B Alternative would provide for greater residential development (7,489 more dwelling units) and decreased non-residential development (3,007,277 fewer square feet of non-residential uses) when compared to the proposed General Plan 2035. As indicated in Section 5.2, Population, Housing, and Employment and Section 7.0, Other CEQA Considerations, potential buildout of the proposed General Plan 2035 would result in 44,484 dwelling units and 130,153 jobs, resulting in a jobs/housing ratio of approximately 2.9. A ratio of 1.0 or greater generally indicates that a City provides adequate employment opportunities, potentially allowing its residents to work within the City. A desirable jobs/housing balance improves regional mobility (traffic), reduces vehicle miles traveled, and improves air quality. Potential buildout of the Scenario B Alternative would result in 44,585 dwelling units and 118,412 jobs, resulting in a jobs/housing ratio of approximately 2.7. Although the Scenario B Alternative would provide an improved jobs/housing balance over existing conditions, it would not be improved to the extent of the proposed General Plan 2035. Therefore, the Scenario B Alternative is considered environmentally inferior to the proposed General Plan 2035 in this regard.

development would be part of this effort, including retail centers, corporate/technology parks, hotels, and upscale restaurants, which would not be supported with this Alternative as compared to the proposed General Plan 2035. Buildout under the No Project/Existing General Plan Alternative would not provide opportunities for residents to live and work within the City to the extent of the proposed General Plan 2035. Thus, this Alternative would not achieve a housing balance that improves regional mobility (traffic), reduces vehicle miles traveled, and improves air quality to the extent of the proposed General Plan 2035. Further this Alternative would not provide updated development projections for the year 2035, nor provide a land use plan and policy direction that addresses future development and growth anticipated by the City and SCAG.

SCENARIO A ALTERNATIVE

The Scenario A Alternative would meet the stated objectives of the General Plan 2035 and EIR, as the Scenario A Alternative would provide new and updated information based on current conditions and would provide updated goals and policies to direct future growth within the City. Although it would generally meet the growth objectives identified by the General Plan 2035, this Alternative would provide for greater residential development and less non-residential development. Therefore, the economic development objectives, including providing an improved jobs/housing ratio would not be achieved to the same extent as the General Plan 2035. The Scenario A Alternative would result in similar environmental impacts when compared to the proposed General Plan 2035 with the exception of population, housing, and employment and public services and utilities, which would be greater. The Scenario A Alternative would not reduce any of the significant unavoidable impacts identified for ~~land use,~~ traffic and circulation, air quality, noise, or parks and recreation facilities. Although both the Scenario A Alternative and General Plan 2035 would result in a significant and unavoidable impact to parks and recreational facilities, the deficiency would be greater under the Scenario A Alternative. However, since the Scenario A Alternative allows for greater non-residential development in support of the City's economic development goals and would meet the project objectives, Alternative A is selected as the environmentally superior alternative.

SCENARIO B ALTERNATIVE

The Scenario B Alternative would meet the stated objectives of the General Plan 2035 and EIR, as the Scenario B Alternative would provide new and updated information based on current conditions and would provide updated goals and policies to direct future growth within the City. Although it would generally meet the growth objectives identified by the General Plan 2035, this Alternative would provide for greater residential development and less non-residential development. Therefore, the economic development objectives, including providing an improved jobs/housing ratio would not be achieved to the same extent as the General Plan 2035. The Scenario B Alternative would result in similar environmental impacts when compared to the proposed General Plan 2035 with the exception of population, housing, and employment and public services and utilities, which would be greater. The Scenario B Alternative would not reduce any of the significant unavoidable impacts identified for ~~land use,~~ traffic and circulation,

Errata for Final General Plan 2035

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ACKNOWLEDGEMENTS PAGE

Planning Commission
Add Anthony Casadonte, Planning Commissioner

Historic Preservation Advisory Commission
Remove Francisco Hernandez, Commissioner

City Staff
Remove Mark Wright, Chief of Police
Add Matthew Shobert, Fire Chief
Revise Mike Baray, Chief of Police

CHAPTER 1
INTRODUCTION

CHAPTER 2
VISION

These two chapters will be reorganized as follows:

Chapter 1

1.1 Overview
1.2 About the General Plan
1.3 About Murrieta (previously 2.2 in Chapter 2)
1.4 General Plan Update Process and Community Input (previously 1.3)
1.5 Community Priorities (previously 2.4 in Chapter 2)

Chapter 2

2.1 Overview
2.2 Vision For The Future (previously 2.2, Part 2: New Direction)

CHAPTER 3
LAND USE ELEMENT

Page 3-15, fourth full paragraph
Portions of Murrieta are located within Compatibility Zones B1, C, D, and E, as well as the Height Review Overlay Zone (refer to *Exhibit 3-2*, *French Valley Airport Compatibility Zones*).

Page 3-29, first bullet point revision, addition of fifth bullet point

- Provide a mix of Multiple-Family Residential (existing), Commercial, and Office and Research Park uses.
- Become an office and technology park employment center with some areas reserved for commercial uses.
- Provide office and research park uses in Central Murrieta north of the I-15 Freeway, east of Los Alamos Road, and generally west of Hancock Avenue to support the Rancho Springs Medical Center and complement the Crossroads Corporate Center.
- Provide shopping opportunities to support the employment uses in the Focus Area, as well as for the community.
- Eliminate the MU-1 general plan designation and redesignate those areas in the General Plan as Multiple-Family Residential, Office and Research Park, or Commercial.

Page 3-33, first full paragraph
The Office and Research Park uses will be primarily located west ~~south~~ of the I-15 Freeway, south ~~east~~ of Guava Street, east ~~north~~ of Madison Avenue, and north ~~west~~ of Elm Street. The building heights in this area could range in height up to a maximum of five to six stories.

Page 3-46, Los Alamos Hills
There is an interest by some of the property owners within the Los Alamos Hills area to develop a Specific Plan that would maintain the rural core of the Los Alamos community west of Warm Springs Creek, while providing certain needed local services. With a Specific Plan, property owners are looking to develop a land use plan that both reflects the rural character of the area, but provides for transitional land uses between the rural land uses and more intense development near Winchester Road. The existing open space, future development pattern, and circulation system established for the area is intended to maintain and preserve the majority of area as a picturesque area, whose topography and setting contribute to the rural agricultural enclave. The Specific Plan would identify the needs and providers of infrastructure.

Additional development anticipated under the General Plan 2035 includes 828 new residential units and an additional 157,453 square feet of commercial uses.

Section 3.5, beginning on page 3-49
The land use designation “Rural Residential” will be renamed to “Large Lot Residential.” This change will be made throughout the Land Use Element and all other Elements.

Table 3-18, page 3-51
The Density Standard for Large Lot Residential (previously named Rural Residential) will be revised from 0.4 – 1.0 du/ac to 0.1 to 1.0 du/ac. This revision will be made throughout the Land Use Element and all other Elements.

Page 3-26, text under Vision subheading for Clinton Keith/Mitchell
VISION

The Clinton Keith/Mitchell Focus Area is intended to:

- Provide a mix of Large Lot ~~Rural~~, Single-Family and Multiple-Family Residential, Commercial, and Office and Research Park uses.
- Maintain large lot ~~rural~~ residential areas generally west of Duster Road.
- Provide a mix of Single-Family and Multiple-Family residential uses generally east of Mitchell Road and south of Linnel Lane.
- Provide shopping opportunities east of McElwain Road and west of the I-215 Freeway.
- Provide office and research park uses north of Linnel Lane and west of the I-215 Freeway.

The Single-Family and Multiple-Family Residential uses will provide a transition of residential densities from the large lot ~~rural~~ residential area generally east of Mitchell Road and south of Linnel Lane to the shopping and employment centers north of Linnel Lane and east of McElwain Road.

Page 3-56, Addition of policy
LU-1.10 Apply the following provisions when cases arise regarding the location of land use designation boundaries:

- Where land use designation boundaries follow street lines or other identifiable property or boundary lines, those lines shall be construed to be those of the land use designation boundary.
- Where land use designation boundaries are indicated within street lines or identifiable rights-of-way or creeks, the centerline there of shall be construed to be that of the land use designation boundary.

Page 3-64, addition of reference following Policy LU-14.6
(North Murrieta Business Corridor)
Refer to Policy LU-3.2 regarding buffering residential uses from incompatible uses.

Page 3-65, Policy LU-17.1
LU-17.1 Encourage the expansion of a job-creating center of office, research, technology, business park, and industrial activity within the area generally bounded by the I-15 freeway on the east ~~north~~, Cherry Street on the south ~~east~~, Washington Avenue on the west ~~south~~, and Brown Street on the north ~~west~~.

Page 3-71, Addition of policies

LU-25.10 Submit tentative tract maps and parcels maps to the Riverside County Airport Land Use Commission for consistency review. This is applicable to properties designated as Large Lot Residential and Single-Family Residential in the General Plan and that are located within Compatibility Zones C and D in the French Valley Airport Land Use Compatibility Plan.

LU-25.11 Submit commercial development and places of assembly to the Riverside County Airport Land Use Commission for consistency review with the applicable average and single-acre population intensity limits in the French Valley Airport Land Use Compatibility Plan for properties within Compatibility Zones B1, C, and D.

LU-25.12 Require new development that is 10 acres or larger in area shall incorporate open space area in compliance with the Riverside County Airport Land Use Compatibility Plan Section 4.2.4 and in compliance with the applicable compatibility zones requirements in the French Valley Airport Land Use Compatibility Plan.

Exhibit 3-2, French Valley Airport Compatibility Zones
Revisions to Legend

Zone A (Runway Protection Zone and Within Building Restriction Line)
Zone B1 (Inner Approach/Departure Zone)
Zone B2 (Adjacent to Runway)
Zone C (Extended Approach/Departure Zone)
Zone D (Primary Traffic Patterns and Runway Buffer Area)
Zone E (Other Airport Environs)

See Riverside County Airport Land Use Compatibility Policy Plan Chapter 2, Table 2A for compatibility criteria associated with this map. Table 2A lists the zones; locations; maximum densities/intensities for residential (dwelling unit/acre) and other uses (people/acre); required open land; prohibited uses; and other development conditions.

Source: Table 2A, Basic Compatibility Criteria, Riverside County Airport Land Use Compatibility Policy Plan, Riverside County Airport Land Use Commission, October 2007.

Exhibit 3-3, Redevelopment Project Areas
Revisions to Exhibit

Graphic will be revised to show areas within the Riverside County Redevelopment Agency Plan Area separately from those within the Murrieta Redevelopment Agency Plan Area.

CHAPTER 4
ECONOMIC DEVELOPMENT ELEMENT

Page 4-4, first and second bullet points

- **Regional Economic Growth.** The City has the potential to attract firms that offer relatively higher skilled and higher wage jobs due to its educated and skilled resident labor force, land use development opportunities, existing regional freeway accessibility, proximity to the French Valley Airport, and future transit development programs. Given that Murrieta has a significant share of residents with both higher education and higher skill levels, there is the potential for growth in the export-base industries, particularly within the manufacturing, research and development, professional, scientific and technical, information, medical, and finance and insurance sectors. There is also the potential for growth in the area of higher education, such as a four-year university in the City, as well as the industries that would benefit from proximity and access to higher educational institutions, which include the majority of industries cited in the previous sentence.
- **Office and Industrial Market Trends.** The City has the opportunity to capitalize on the growing lack of office space in North San Diego County and Orange County. As the Murrieta office market improves and evolves, it will attract a growing proportion of professional, medical, technical, and research employment, particularly in developments along major highway corridors and at the centrally located confluence of the I-15 and I-215 Freeways. Similarly, as the Murrieta industrial market improves, it will be well-positioned both geographically and demographically to attract a range of research and development (R&D) and light industrial users. The General Plan 2035 should create opportunities for flex-tech buildings and higher intensity office uses along freeway corridors.

Policy ED-1.2, page 4-5

ED-1.2 Encourage the development and integration of a mix of uses in a "main street" setting that includes retail anchored department stores, entertainment, hotel, office, retail, ~~and~~ residential, and transit-oriented development and/or mixed uses that provide a regional draw.

Policy ED-4.8, page 4-8

ED-4.8 Encourage retail developments~~, particularly smaller projects,~~ to locate in areas where they can be most effective in terms of meeting the needs of local households and encourage mixed use, which can create neighborhood centers of activity.

Policy ED-5.4, page 4-8

ED-5.4 Encourage housing that is within economic reach of all income levels and ~~family~~ living styles inclusive of age-restricted housing, estate and ranch properties, single-family detached, single-family attached, town homes, condominium flats, and apartments.

Policy ED-9.1, page 4-10

ED-9.1 Coordinate implementation efforts with other economic development programs carried out by other implementation agencies including, but not limited to: ~~Murrieta Chamber of Commerce, Southwest California Economic Alliance, Temecula Chamber of Commerce, Southwest California Economic Development Corporation and Murrieta Redevelopment Agency.~~ Murrieta Redevelopment Agency, Murrieta Chamber of Commerce, Temecula Chamber of Commerce, Riverside County Economic Development Agency, Western Riverside County Council of Governments, San Diego Association of Governments, San Diego North Economic Development Council, San Diego Regional Economic Development Corporation, Southwest California Economic Alliance, and Southwest California Economic Development Corporation.

CHAPTER 5
CIRCULATION ELEMENT

Addition of a table showing Roadway Segments Volume-to-Capacity Ratios (V/C) and Levels of Service (LOS).

Addition of exhibit showing Roadway Classification Cross-Sections.

Table 5-7, pages 5-17 to 5-19
The column heading in Table 5-7 that reads "Project Impact (Exceeds LOS Standard)" will be revised to "Project Impact (Exceeds LOS Standard Before Enhancements."

Policy CIR-6.8, page 5-25
CIR-6.8 Support the construction of bus turnouts with shelters adjacent to new developments where transit demand levels may be sufficient in the future to warrant such accommodations <u>to maintain traffic flow and provide safe loading/unloading area for bus passengers</u>.

All Circulation Element Exhibits
Change to base of all Exhibits

Change from Via Princess (shown between Jackson Avenue and Murrieta Hot Springs Road) to Whitewood Road.

Exhibit 5-2, Truck Routes
Revisions to Exhibit

Revise title to Potential Truck Routes.

Add to Legend: Truck Routes are designated per Municipal Code Section 10.28.050.

Remove the following segments: 1) Murrieta Hot Springs Road between 1-215 and Winchester Road; 2) California Oaks north of I-15; 3) Adams Avenue between Guava Street and Cherry Street; 4) Madison Avenue between Kalmia Avenue and Murrieta Hot Springs Road; 5) Los Alamos Road between I-15 and I-215 and segment east of 1-215; and 6) portion of Monroe Avenue north of Elm Street.

Exhibit 5-10, General Plan 2035 Circulation Map
Revisions to Exhibit

Remove Los Alamos Road as a Circulation Plan roadway between Whitewood Road to Clinton Keith Road.

CHAPTER 6
INFRASTRUCTURE ELEMENT

Page 6-2, addition of new paragraph before the Wastewater Subheading

All four water districts have adopted Urban Water Management Plans (UWMP), the purpose of which is to review current and future water resources, and to establish and maintain water conservation programs for a 25-year planning horizon. At the time this General Plan was being prepared, the 2005 UWMPs reflected the most recently adopted plan, with a planning horizon from 2005 to 2030. However as of May 2011, all four districts are in the process of preparing their 2010 UWMP, with a planning horizon from 2010 to 2035.

Page 6-5, revise last sentence in second paragraph under Water Supply Subheading

The City will encourage ~~annexation~~ property owners to annex to water districts in these areas.

Policy INF-1.2, page 6-7

INF-1.2 Discourage development in areas without connections to ~~isolated from~~ existing infrastructure, unless infrastructure is being provided.

Policy INF-1.9, page 6-8

INF-1.9 Encourage the water districts to proactively manage their assets through the maintenance, improvement, and replacement of ~~maintain, improve, and replace~~ aging water and wastewater systems to ensure the provision of these services to all areas of the community.

Policy INF-1.15, page 6-8

INF-1.15 Continue to implement the City's residential informational and outreach program by providing homeowners with Best Management Practices (BMP) ~~to address high threat activities,~~ for activities such as, but not limited to:

- Disposal of fats, oils, and grease
- Disposal of garden waste
- Disposal of household hazardous waste
- Disposal of pet waste
- Garden care and maintenance
- Vehicular repair and maintenance
- Vehicular washing

Policy INF-2.5, page 6-10

INF-2.5 Coordinate with water districts to encourage innovative demonstrations of non-potable uses for recycled water and/or groundwater recharge in City facilities and industrial applications.

Page 6-10, addition of text before Capital Improvement Program Subheading

Refer to related goals and policies in the Conservation Element: Goal CSV-3 and Policies CSV-3.1 through CSV-3.5, and Goal CSV-4 and Policies CSV-4.1 through CSV-4.7 address storm water management and groundwater recharge.

Exhibit 6-1, Water District Service Area Boundaries
Revisions to Exhibit
Exhibit will be revised to reflect correct district boundaries as shown in the Draft EIR.

CHAPTER 7
HEALTHY COMMUNITY ELEMENT

Policy HC-6.1, page 7-12

HC-6.1 Encourage equitable distribution of healthy food retail and dining options in all ~~residential~~ commercial and employment areas of the City.

Policy HC-6.2, page 7-13

HC-6.2 Research and consider land use regulations to limit fast food outlet density ~~such as limits on chain, formula, or non-sit-down establishments~~.

CHAPTER 8
CONSERVATION ELEMENT

Page 8-7, text revision under Western Riverside Multiple Species Habitat Conservation Plan Subheading

Murrieta is a Permittee under the *Western Riverside Multiple Species Habitat Conservation Plan* (*MSHCP*), and as such, has existing conservation agreements and also sets aside land parcels within the City as Conservation Land to meet the land acquisition goals of the *MSHCP*. The conceptual conservation scenario for the MSHCP Reserve Area is based on existing public lands, undeveloped land (Core Areas), and identified potential Linkages between the Core Areas~~, illustrated in *Exhibit 8-3*, *MSHCP Existing and Proposed Conservation Land*~~.

Warm Springs Creek and Murrieta Creek are important natural features within the City that are protected for their biotic and aesthetic value; they offer wetland resources and allow for wildlife migration. These features are included in the MSHCP as potential Linkages between Core Areas.

For discussion and planning purposes, the Core Areas and Linkages are grouped into Area Plans and Subunits, as shown in *Exhibit 8-3~~4~~*, *MSHCP Area Plans and Subunits*. The *MSHCP* identifies the following Biological Issues and Considerations for the Subunits within the City and the Sphere of Influence:

Page 8-10, delete last sentence in first full paragraph

The City has a *Cultural Resource Preservation Ordinance* that provides *"a mechanism by which community resources such as buildings, structures and sites within the City of Murrieta, which are of pre-historic or historic interest or value, or which exhibit special elements of the City's architectural, cultural, or social heritage may be identified, protected, enhanced, perpetuated and used in the interest of the public's health, safety, welfare, and enrichment."* Under this ordinance, a natural or constructed feature may be designated as an individual resource, and a geographic area may be designated as an archeological district or a historic preservation district. ~~Designation of a historic preservation district is intended to be concurrent with the development of design guidelines for the district.~~

Page 8-10, text revision to second sentence under Historic Downtown Murrieta Subheading

The Historic Murrieta Specific Plan, adopted in 2000, provides a framework for the future enhancement and preservation of Historic Downtown Murrieta. The Specific Plan Area is bounded by Jefferson Avenue to the east ~~north~~; Ivy Street to the south ~~east~~; Hayes Avenue to the west ~~south~~; and Kalmia Street to the north ~~west~~.

Page 8-17, text revision to last sentence at top of page

Waste reduction and recycling efforts are thus proven tools to reduce greenhouse gas emissions along with material waste. They are also opportunities to raise awareness about environmental sustainability and the importance of changing behaviors. Murrieta seeks to continue the success of its efforts to divert waste from landfills. In anticipation of further requirements from the state related to AB 32, Murrieta should look to create a commercial recycling program that would promote recycling and diversion of solid waste from landfill by requiring businesses, nonresidential properties, and commercial buildings to source separate recyclable materials from all other solid waste for recycling and diversion from landfill and provide for the collection of recyclable materials.

Page 8-17, text revisions to second and third paragraph under Green Building Subheading

Municipalities are in the position to effect significant change in the adoption and success of green building practices, either by creating standards or incentivizing green building — for instance, by removing barriers within City codes or review processes. Murrieta intends to encourage the application of green building practices within the community that ~~by adopting legislation, and~~ will lead the way through the upgrade of municipal facilities.

Although the State of California incorporates a set of green building practices into its building standards code, the field of green building will continue to advance. Murrieta can stay abreast of current techniques and save more natural resources by encouraging green construction, where feasible, to go beyond state standards.

Policy CSV-8.1, page 8-21

CSV-8.1 ~~Continue to f~~Facilitate the conservation of habitat areas and wildlife corridors under the Western Riverside Multiple Species Habitat Conservation Plan.

Page 8-21, Addition of policy

CSV-8.7 Establish an implementation program to clarify procedures for implementation of the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP) Habitat Acquisition Negotiation Strategy (HANS) in the City and to provide incentives to facilitate conservation with the MSHCP while recognizing private property rights.

Policy CSV.9.6, page 8-22

CSV-9.6 Maintain a guide to preferred trees, shrubs, and ground cover plants of non-invasive species, or refer private parties to an existing guide that meets City needs to assist private landscaping efforts.

Policy CSV-9.9, page 8-22

CSV-9.9 Promote the use of native plant species in public landscaping of parks, schools, medians and planter strips, as well as in private development throughout the City.

Policy CSV-10.9, page 8-23, delete policy

~~CSV-10.8 Allow small-scale community-serving food processing facilities.~~

Policy CSV-12.3, page 8-24

CSV-12.3 ~~Encourage the~~ Support the on-site installation and use of renewable energy generation systems for residential, commercial, institutional, and industrial uses.

Policy CSV-12.5, page 8-25

CSV-12.5 ~~Allow~~ Consider non-commercial solar power generation in residential areas.

Policy CSV-12.6, page 8-25

CSV-12.6 Encourage new development projects and significant rehabilitation or expansion projects to incorporate innovative energy conservation or generation amenities such as electric vehicle charging stations, ~~and~~ solar canopies, and carports.

Policy CSV-14.2, page 8-26

CSV-14.2 ~~Integrate~~ Encourage the integration of other principles of green building into development standards and guidelines, looking for opportunities to realize other benefits such as improved health and increased bicycle transportation.

Exhibit 8-3, MSHCP Existing and Proposed Conservation Land

Delete exhibit

Exhibit 8-4, MSHCP Area Plans and Subunits

Renumber exhibit to Exhibit 8-3 and make all text edits in Conservation Element.

Exhibit 8-5, Important Farmland

Renumber exhibit to Exhibit 8-4 and make all text edits in Conservation Element.

Exhibit 8-6, Williamson Act Farmland (2006)

Renumber exhibit to Exhibit 8-5 and make all text edits in Conservation Element.

CHAPTER 9
RECREATION & OPEN SPACE ELEMENT

Overall comment for Element
Change reference throughout Element from *Master Plan* to *Parks Master Plan*.

Page 9-2, first paragraph under Parkland Subheading
At the time the *Parks Master Plan* was adopted in 2009, the City had ~~The *Master Plan* counts~~ 467.24 acres of parkland in 48 City parks. This total does not include joint use school facilities, some natural areas in Nature Parks, or private facilities. It includes six types of City Parks – City-Wide Parks, Community Parks, Neighborhood Parks, Neighborhood Play Areas, Special Use Parks, Native Parks – shown in *Exhibit 9-1, Parks,* and listed in *Table 9-1, Recreation Facilities Inventory*. *Table 9-1* reflects several ~~two~~ new parks and ~~some~~ facilities that have been added since the completion of the Master Plan, and which increase the City's parkland acreage total.

The following facilities have been added, are in the design phase, or constructed since adoption of the *Parks Master Plan* in 2009:

- Torrey Pines Park (8.80 acres) – Neighborhood Park
- Vineyards (10 acres) – Neighborhood Park
- Grizzly Ridge Park (0.44 acres) – Neighborhood Play Area
- Murrieta Equestrian Park (21.98 acres) – Special Use Park

Page 9-6, last sentence in paragraph under Community Event Space Subheading
Murrieta offers indoor and outdoor spaces for community events that are held by the City, residents, and organizations. Community members may reserve the Community Center, Town Square Park, and some Library facilities for events, as well as picnic shelters at several City parks. Community Center amenities are described above. Town Square Park provides space for community events in its amphitheater and large open turf area. The Library has a community room with adjacent garden that may be reserved for events. There is also an amphitheater at Antelope Hills Park~~, but parking is limited and there is no system for reservations~~.

Page 9-7, second and third paragraphs under Facility Needs Subheading
Facilities are planned that will help meet the needs for community centers, gymnasiums, and indoor basketball. Future ~~Phase 2~~ plans for Los Alamos Hills Sports Park call for a 20,000-square foot community center that may include a gymnasium and outdoor facilities, including a swimming pool and tennis courts. A teen center planned for California Oaks Sports Park may also include a gymnasium. ~~A recreation room is planned for Golden Cities Park.~~

~~Phases 2 and 3 of Los Alamos Hills Sports Park are expected to include outdoor sports facilities, including a swimming pool and tennis courts.~~

Page 9-7, first sentence in first paragraph under Recreation Programs Subheading

In fiscal year 2010 ~~2007~~, the Community Services Department served over 8,500 8,436 participants with its programs and activities; the number of participants served increased to 15,009 in fiscal year 2011. Senior programs drew the greatest number of participants, followed by gymnastics, aquatics, and dance. Other recreation offerings include sports, toddler, art and music, health and fitness, martial arts, camp, and teen programs. The City also holds a number of community events throughout the year, such as celebrations for major holidays.

Table 9-2, page 9-11

Change City Parcel #1 – MYSL Site to City Parcel #1 – Nutmeg Site under Planned Facilities, Not Designed

Policy ROS-2.4, page 9-14

ROS-2.4 Consider ~~Encourage~~ the installation of water fountains, toilets, and sinks in parks and recreation facilities.

CHAPTER 10
AIR QUALITY ELEMENT

Policy AQ-1.5, page 10-5

AQ-1.5 Provide public education and/or materials to educate and encourage residents and business owners to purchase/use low toxicity household cleaning products.

Policies AQ-5.5 through AQ-5.8, page 10-8

~~AQ-5.5 Encourage operators of major outdoor events to submit a trip reduction plan which applies to both patrons and employees during the course of the event.~~

AQ-5.5~~6~~ Provide a preference to contractors using reduced emission equipment for City construction projects as well as for City contracts for services (e.g., garbage collection).

AQ-5.6~~7~~ Manage the municipal vehicle fleet to achieve the highest possible number of fuel-efficient and low emissions vehicles commercially available.

AQ-5.7~~8~~ Reduce industrial truck idling by enforcing California's five (5) minute maximum law, requiring warehouse and distribution facilities to provide adequate on site truck parking, and requiring refrigerated warehouses to provide generators for refrigerated trucks.

Policy AQ-6.7, page 10-9

AQ-6.7 During the design review process, encourage the use of measures ~~Employ design strategies to mitigate~~ to reduce indoor air quality impacts (i.e., ~~such as~~ air filtration systems, ~~requiring~~ kitchen range top exhaust fans, and ~~using~~ low-VOC paint and carpet) for new developments near ~~stationary pollution sources or~~ busy roadways with significant volumes of heavy truck traffic.

CHAPTER 11
NOISE ELEMENT

Page 11-4, last sentence in third paragraph under the Sensitive Noise Receptors subheading

Land uses less sensitive to noise are business, commercial, and professional developments. Noise receptors categorized as being least sensitive to noise include industrial, manufacturing, utilities, agriculture, natural open space, undeveloped land, parking lots, motorcycle parks, rifle ranges, warehousing, liquid and solid waste facilities, salvage yards, and transit terminals. These types of land uses often generate high noise levels. Moderately sensitive land uses typically include: multi-family dwellings, hotels, motels, dormitories, and outpatient clinics. Current land uses located within the City that are sensitive to intrusive noise include residential uses (particularly those in the vicinity of I-15 and I-215 Freeways), schools, hospitals ~~(particularly the Golden Triangle Medical Center and Rancho Springs Medical Center)~~, churches, and parks.

Page 11-16, second to last sentence in the paragraph under the Airport Noise subheading

Off-road transportation noise is also generated by aircraft traffic from one nearby airport, the French Valley (Rancho California) Airport, located outside of the City's Sphere of Influence. Aircraft flyovers are heard occasionally in the City; however, the aircraft do not contribute a significant amount of noise heard in the City. The Riverside County Airport Land Use Commission has prepared a Comprehensive Land Use Plan for the French Valley Airport (CLUP), which experiences an average of 506 daily operations. The CLUP indicates that the 55 CNEL noise level contour extends slightly into the eastern part of the City along the westerly side of Winchester Road ~~is located outside of City boundaries~~. The CLUP also designates portions of the City as being located within Compatibility Zones B1, C, D, and E, all of which require certain land use restrictions.

Goal N-4, page 11-27

GOAL N-4	**~~Mobile source emissions are reduced by providing a balance of jobs and housing that serve the needs of the community~~ Reduced noise levels from construction activities.**

CHAPTER 12
SAFETY ELEMENT

Page 12-4, first complete paragraph on page

Before a project can be permitted within a fault zone, a site-specific geologic investigation must demonstrate that proposed buildings will not be constructed across an Alquist-Priolo Earthquake Fault Zone, County Fault Zone, or any other active or potentially active fault. Structures are required to be set back from active faults. The earthquake fault zones extend approximately 500 feet in width on either side of a major active fault trace and approximately 200 to 300 feet in width on either side of a well defined minor active fault, as designated by the State. Development of a building designated for human occupancy is generally restricted within 50 feet of an identified fault.

Page 12-8, second paragraph on page

There are a number of building criteria and site maintenance techniques available for the Murrieta Fire Department and property owners to use for areas within a High Fire Hazard Zone or areas described as Wildland Urban Interface areas, which are areas where structures and other human development meet and intermingle with undeveloped wildland or vegetative fuels. These techniques are detailed in the California Building Standards Code, Chapters 7 and 7A, and the California Fire Code, Chapter 47 *(California Code of Regulations, Title 24, Part 9*), and address topics such noncombustible siding for buildings and 100-foot fuel modification (buffer) zones. ~~Techniques to prevent the spread of fire include fuel modification, livestock grazing, prescribed fires, and fuel breaks. The Murrieta Fire Department implements a Weed Abatement program to reduce weed and brush fire hazards. The program provides for property inspections and enforcement on properties that pose a potential fire hazard due to weeds and brush. Conditions of development are currently required, such as Class A roofing, noncombustible siding and 100-foot fuel buffer zones, to protect communities from wildland/urban interface fires.~~ In addition, c~~C~~ommunity planning, awareness, and involvement are proven elements of effectively reducing the occurrence of wildland fires and damage associated with them.

Page 12-9, third paragraph and Table 12-1 under Fire Protection Subheading

The Fire Department has five stations located to optimize response times throughout the City of Murrieta, listed in *Table 12-1*, *Murrieta Fire Department Stations*, with a proposed sixth station in the eastern Sphere of Influence area (refer to *Exhibit 12-9*, *Fire Station Service Areas*).

Table 12-1
Murrieta Fire Department Stations

Station	Location
Fire Station No. 1	41825 Juniper Street
Fire Station No. 2	40060 California Oaks Road
Fire Station No. 3	39985 Whitewood Road
Fire Station No. 4	28155 Baxter Road
Fire Station No. 5	38391 Vineyard Parkway ~~(Temporary)~~
Fire Station No. 6	Specific Location TBD

Page 12-9, last sentence in first paragraph under Response Time and ISO Rating Subheading

The Department has a target response time of 6½ minutes from the time of the alarm on all calls, which includes 5½ minutes of drive time and a one minute "turnout" time. Stations in the outlying regions experience longer average response times, such as the eastern portion of the City along Winchester Road and in the area between Winchester and the I-215 north of Clinton Keith. A sixth fire station in this area ~~would~~ is contemplated to help achieve the target response time.

Page 12-10, paragraph under Protection for High-Rise Buildings Subheading

As Murrieta develops with more Class A high-rise office buildings, further investments in Fire Department equipment and personnel are needed. ~~Fire suppression for high-rise buildings is better accomplished with four people assigned to each engine company rather than three.~~ An aerial truck company with a ladder extension of 100 feet ~~and staffed with four persons~~ will be able to access and provide fire suppression for buildings such as Loma Linda University Medical Center-Murrieta.

Page 12-10, paragraph under Fire Prevention Subheading

The Fire Department engages in ~~several~~ activities that are aimed at preventing fires and compliance with California Building Standards Code, Chapters 7 and 7A, and the California Fire Code *(California Code of Regulations, Title 24, Part 9*). ~~Besides the Weed Abatement program for wildfires, t~~The Department ~~also~~ provides fire protection engineering, building inspections for code compliance, and hazardous materials inspections. As described later in this Element, the Department also provides education and training in public safety and emergency preparedness.

Page 12-16, paragraph under Staffing and Response Times Subheading

The Department's goals will be to reach and maintain police officer and civilian support employee staffing levels to effectively and efficiently address the public safety needs, measured through established response times (as shown in *Table 12-3, Target Response Times*), crime statistics, crime clearance rates, and community quality of life issues. ~~The Department's target staffing level is one officer and 0.5 civilian support staff per 1,000 residents. The Police Department has also established targets for response times, depending on the urgency of the call, as shown in *Table 12-3, Target Response Times*.~~ Currently, the Department is not staffed at ~~target levels~~ optimal staffing levels, and average response times for Priority 1 and Priority 3 calls are longer than the targets while average response time for Priority 2 calls is shorter than the target.

Page 12-18, paragraph under Urban Search and Rescue (USAR) Task Force Subheading

The Murrieta Fire Department maintains an Urban Search and Rescue (USAR) team of professional firefighters that are certified by the Federal Emergency Management Agency. They serve the larger community as part of California Task Force 6, supervised by the Riverside City Fire Department and composed of representatives from several Inland Empire fire agencies. The USAR team members regularly train with other agencies for rapid deployment to local, regional, and national incidents. ~~Most deployments to federal disasters are reimbursable through FEMA.~~

Page 12-9, paragraph under Emergency Operations Plan Subheading

The EOP describes the operations of the City of Murrieta Emergency Operations Center (EOC), which is the central management entity responsible for directing and coordinating the various City departments and other agencies in their emergency response activities. The EOC centralizes the collection and dissemination of information about the emergency and makes policy-level decisions about response priorities and the allocation of resources. The Police Department has been designated as the primary EOC. As part of the City's Emergency Management Program, the EOC Manager ~~(Fire Division Chief)~~ is responsible for ensuring the readiness of the EOC.

Page 12-20, first sentence in second paragraph in Section 12.4

The City promotes safety through education, engineering, enforcement, community design, ~~engineering,~~ and planning for hazards. Fire and Police Departments are involved in these preventive activities and respond to emergencies. These Departments also recognize that safety is in the hands of the people who live and work in Murrieta. Through outreach and education, the City can help community members to create a safe environment.

Page 12-21, last sentence in third paragraph under Fire Protection Subheading

Preventive measures will continue to be an important part of fire protection in Murrieta, including conditions of development and weed clearance to deter the spread of wildland/urban interface fires, Fire Department review of site plans, and community education, engineering, and enforcement.

Page 12-22, paragraph under Police Protection Subheading

Demand for Police Department services will continue to grow with the population, while the Department seeks to reach and maintain police officer and civilian support employee staffing levels to effectively and efficiently address the public safety needs of the community ~~a staffing level of one officer and 0.5 civilian support staff per 1,000 residents~~. Expansion of the Police Department facility is needed to accommodate additional staff. Target response times for calls is another measure that the City will strive to meet. ~~Current impact fees are not expected to meet the policing demands of the growing population, and the City will consider how to address this need.~~

Policy SAF-1.4, page 12-24

SAF-1.4 Review ~~Ensure that~~ public safety infrastructure and staff resources as ~~keep pace with~~ new development is planned or proposed in Murrieta and the Sphere of Influence.

Policy SAF-2.3, page 12-25

SAF-2.3 Seek to maintain emergency access in the event of an earthquake by ~~planning arterial roadways to avoid fault zones and using~~ engineering roadways a~~nd design~~ to reduce damage to them.

New Policy SAF-6.9, page 12-27

SAF-6.9 Strive to achieve an Insurance Services Office (ISO) Public Protection Classification of 3 in areas with fire hydrants and 9 in areas that are not connected to an existing water district supply system.

Policy SAF-8.6, page 12-28

SAF-8.6 Promote ~~Encourage~~ the use of integrated pest management techniques to keep City properties free of herbicides and pesticides.

New Policy SAF-8.12, page 12-29

SAF-8.12 Ensure that Fire Department personnel receiving training to achieve the Hazardous Materials Technician level.

Existing Policy SAF-8.12, page, 12-29

Renumber policy from SAF-8.12 to SAF-8.13

Existing Policy SAF-8.13, page 12-29

SAF-8.14~~3~~ Work with the appropriate Federal, State, regional, and local agencies ~~Strive~~ to identify previously unidentified contaminated sites in the City, particularly on sites with a high likelihood of past contamination, such as old gas stations or industrial sites, and work with the property owners and applicable agencies to remediate them.

Policy SAF-9.1, page 12-29

SAF-9.1 Seek to reach and maintain police officer and civilian support employee staffing levels to effectively and efficiently address the public safety needs, measured through established response times (as shown in *Table 12-3, Target Response Times*), crime statistics, crime clearance rates, and community quality of life issues. ~~Seek to provide a ratio of one police officer per 1,000 residents and at least one-half as many support personnel.~~

Exhibit 12-8, High Fire Hazard Zones

Revise exhibit to include all areas within high fire zone.

New Exhibit 12-9, Fire Station Service Areas

Add new exhibit to show fire station locations and service area.

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- [x] City Council
- [x] Redevelopment Agency
- [ ] Community Services District
- [ ] Fire District
- [ ] Library Board
- [ ] Financing Authority

Murrieta

Agenda Report

Subject: Comprehensive General Plan Update

Date: July 19, 2011

Prepared by: Greg Smith, Associate Planner

Approved by: Mary E. Lanier, Community Development Director

Rick Dudley, City Manager

RECOMMENDATION

Adopt Resolutions certifying the Final Environmental Impact Report (SCH#2010111084), Murrieta General Plan 2035, and Climate Action Plan.

PRIOR ACTION/VOTE

On April 21, 2009, acting as the City Council and Redevelopment Agency Governing Board, the City Council authorized staff to issue a Request For Proposals for professional services to contract with a consultant for the preparation of a Comprehensive General Plan Update, an Environmental Impact Report, a Climate Action Plan, a Focused Redevelopment Area Land Use Analysis, and other associated land use, technical, and fiscal studies for the update (Vote: 4-0, Lane absent).

On June 17, 2009, (as a continued item from the June 16, 2009, City Council hearing) acting as the City Council adopted Resolution No. 09-2308, approving the 2009-2014 Capital Improvements Plan, and adopted Resolution 09-2307, authorizing the expenditure of Redevelopment Funds (Vote: 5-0).

On June 17, 2009, (as a continued item from the June 16, 2009, City Council hearing) acting as the Redevelopment Agency Governing Board adopted Resolution RDA 09-86, making findings, and authorizing the expenditure of Redevelopment Funds (Vote: 5-0).

On August 18, 2009, acting as the City Council and Redevelopment Agency Governing Board, the City Council adopted Resolution No. 09-2357, awarding a contract to RBF Consulting to provide professional services in the preparation of a Comprehensive General Plan Update and a Focused Redevelopment Area Land Use Analysis, utilizing both General and Redevelopment Agency funds (Vote: 5-0).

BACKGROUND

In 2009, the City Council adopted Murrieta's first Comprehensive Economic Development Strategy, which identifies the City's twenty-year vision as a diversified business hub for the Southwest Riverside County and neighboring North San Diego County. As part of the Strategy implementation, the City Council directed staff to commence a comprehensive update of the City's General Plan, with the objective of addressing the City's economic future by promoting Murrieta as a long term home for higher education facilities and technologically-advanced firms, including healthcare, medical facilities and services, software companies, engineering companies, medical device companies, biotechnology firms, defense contractors, research and development operation, green-tech, and light manufacturing.

The General Plan 2035 is a comprehensive update of the 1994 General Plan, which includes an update of existing elements. It is comprised of the following State mandated and optional elements: Land

Use, Economic Development, Circulation, Healthy Community, Conservation, Recreation and Open Space, Air Quality, Noise, Infrastructure, and Public Safety. Key to each element are the goals and policies which provide the basis for the General Plan being a long-range policy document. Many of the goals and policies from the 1994 General Plan, which provided the foundation for Murrieta are still applicable today and are, therefore, reflected in the General Plan 2035.

Additionally, to comply with the latest regulations and to implement Assembly Bill (AB) 32 related to the reduction of greenhouse gas emissions, a Climate Action Plan was prepared. Promotion of the City's "Healthy Murrieta" program is further defined and addressed in the new Healthy Community Element in the General Plan.

With economic development as the objective, the Murrieta General Plan 2035 officially commenced in August, 2009. Throughout early and mid-2010, a variety of community workshops were conducted related to community vision, land use, and city-wide goals. Additionally, there were focused workshops for key areas in the community where land use changes were planned to implement the economic strategy. The objectives of the strategy, along with the community outreach, resulted in the drafting of Murrieta General Plan 2035 and the Environmental Impact Report. Attachment 2 outlines the Community Priorities identified by the community during the workshops and Attachment 13 is a comprehensive list of community meetings and workshops.

The Planning Commission conducted a series of workshops and meetings to discuss and receive public input on the General Plan. A joint workshop with the Planning Commission and Traffic Commission was also conducted, primarily to review the Circulation Element. The Planning Commission agenda reports and minutes are included in Attachments 9 and 10.

Planning Commission Comments. On June 8, 2011, the Planning Commission adopted a resolution recommending that the City Council certify the final Environmental Impact Report, adopt the Climate Action Plan, and adopt the Murrieta General Plan 2035. Their recommendation also included the items outlined below, followed by the staff analysis:

- Eliminate the proposed connection of Whitewood Road to Jackson Avenue.

  This connection was included in the new Circulation Element to establish a north-south connection through the city on the east side of the freeways. Currently, there is no connection. The addition of this north-south road connection will benefit the community by a internal roadway, and more importantly will improve public safety emergency response on the east side of the freeways.

- Request the City Council change a section of Jefferson Avenue north of Lemon Street to Nutmeg Street from an arterial to a 4-lane road.

  Jefferson Avenue is the only major north-south corridor through Murrieta, on the west side of Interstate 15. This is a major transportation corridor that connects the city with neighboring Temecula to the south and Wildomar and Lake Elsinore to the north. Circulation road plans for both the city of Temecula and the city of Wildomar (through the Riverside County Circulation Element) provide for a six lane right-of-way. If unchanged, there would be a small "bottleneck" in this section of Murrieta between Lemon and Magnolia streets. In addition, to change this section of Jefferson from six to four lanes would require the Environmental Impact Report (EIR) to be re-circulated, adding approximately six months to the General Plan update process.

- Request the City Council consider changing the land use designation for APNs 906-060-049 and 906-060-090 to Commercial instead of Office (Mr. Rossi's property).

  The properties are adjacent to the City Civic Center and properties in the area have been proposed for office. This area was reviewed during the General Plan Land Use workshops and direction provided at that time by City Council was to maintain an office designation.

- Direct staff to take-over the preparation of the Los Alamos Hills Specific Plan and complete it within a year.

  The decision and direction to prepare the Los Alamos Specific Plan rests with the City Council. It is staff's understanding that the Los Alamos community proposes to complete the Specific Plan and submit it for processing.

ANALYSIS

In order to effectuate the economic development objectives, the land use goals provide for both a build-out population and economic development opportunities, along with the quality of life and work environment desired. Though the Land Use Element is the driving force, it is important to recognize the interplay of all of the elements that address various goals such as circulation, park facilities and programs, public safety, and conservation to achieve a successful vision. The final documents reflect this effort.

The General Plan and EIR encompasses the following documents, as described in Attachment 3:

- Draft General Plan 2035 (provided previously)
- Draft Environmental Impact Report (DEIR) and Technical Appendices (provided previously), including the Climate Action Plan
- General Plan 2035 Recommended Land Use Map (Attachment 4)
- Existing Land Use/Zoning Map (Attachment 5)
- Statements of Facts and Findings and Statement of Overriding Considerations (Attachment 6)
- General Plan Errata (Attachment 7, 7a, and 7b)
- Final Environmental Impact Report (EIR), including Mitigation Monitoring Report Plan, Comments and Responses to DEIR, and Errata for Final EIR (Attachment 8)
- General Plan Comments and Responses (Attachment 9)

The final General Plan 2035 document (prepared after City Council action) will include the base information from the Draft General Plan and include all changes, as noted in the General Plan Errata. The Final EIR will include the Final EIR document, Comments, the Response to Comments and the Mitigation Monitoring Program, and the Errata for Final EIR. Once final City Council action is taken on the General Plan and EIR, final documents, including any changes requested by the City Council will be prepared.

GENERAL PLAN HIGHLIGHTS

Economic Development Focus - To meet the task of promoting Economic Development, the update included Redevelopment and Land Use analysis which focused on land use changes to promote development along the freeway corridors of Interstates 15 and 215. The catalysts for change along these corridors are new developments including the Loma Linda University Medical Center Murrieta, the Crossroads office buildings, and the Murrieta Education Center. Future development is expected to

generate jobs and revenue for the city. A Program Environmental Impact Report (EIR) was prepared which includes a comprehensive level of environmental review and will allow future projects to tier from it. The ability to tier provides an incentive to businesses and employers to locate in the city of Murrieta by reducing environmental preparation time-frames.

Focus Areas - The Redevelopment and Land Use Analysis identified five "Focus" areas for land use changes. These areas were the primary focus of community meetings, discussion of a new vision, and creation and elimination of land uses. These areas include:

- North Murrieta Business Corridor – Focus on the addition of an Office Research Park land use designation and elimination of Multiple Use 2, Business Park, and Rural Residential zones.
- Clinton Keith/Mitchell Area – Focus on the transition of varying residential densities.
- Central Murrieta (Golden Triangle North) – Focus on the change to Office Research Park and Commercial and eliminating the Multiple Use 1 zone.
- South Murrieta Business Corridor – Focus on the addition of Office Research Park, maintaining Business Park and eliminating Multiple Use 2 zone.
- Multiple Use 3 Zone – Focus on establishing Commercial, and Multi-family Residential land use designations, reflecting the actual property uses. Adding Office Research Park adjacent to the Civic Complex on Kalmia and Ivy Streets, and Multi-family along Washington and Adams Avenues and Elimination of the Multiple Use 3 zone.

The Planning Commission staff reports and the General Plan 2035 include a more in-depth discussion of these areas. The General Plan Land Use Map, Attachment 4, shows the proposed new land uses for these focus areas. New land uses designations include Office Research Park and Mixed Use, while the Multiple Use 1, 2, and 3 are proposed for elimination.

There are two land use clean-up items included on the Preferred Land Use Alternative map. Both properties are proposed for land uses which reflect prior land use designations. One property is on Magnolia Street, east of Washington Avenue, which is proposed for Commercial and the other on the corner of Murrieta Hot Springs Road and Whitewood Road, which is also proposed for Commercial.

The Los Alamos Hills area was not referenced as a Focus area, but was included in the General Plan workshops and specific goals and polices were included in the General Plan to reflect the rural character of the area and desire of the community for a specific plan. Community members had indicated a desire to prepare the final Los Alamos specific plan for submittal to the City for processing. Staff concurs with this approach. The General Plan 2035 includes the provision for a specific plan to be developed and includes goals and policies requested by the community.

Circulation – Although updated in 2006, proposed new land uses prompted a new review of the Circulation Element and map. In addition, more detailed traffic modeling and enhanced geometrics at intersections were completed to provide a more comprehensive review to support the Program EIR and promote future development. As a result, a number of changes are recommended and designed to facilitate traffic circulation throughout the city and improve police and fire response times and access in the event of emergencies or disasters. The following highlights the major Circulation Element changes:

- Whitewood Road Extension south of Murrieta Hot Springs Road, connecting to Jackson.
- Widening of Jefferson Avenue to six lanes, through Murrieta and connecting to both Temecula and Wildomar (Jefferson Avenue between Lemon Street and Nutmeg Street, currently narrows).

- Extension of Linnel Lane south along the Mitchell Road Alignment.
- Extension of McElwain Road north from Clinton Keith Road to the city limits.

ENVIRONMENTAL DETERMINATION

The City of Murrieta is the Lead Agency under *CEQA* and is responsible for preparing the Program EIR for the Murrieta General Plan 2035 (State Clearinghouse No. 20100111084). This Program EIR has been prepared in conformance with *CEQA* (*California Public Resources Code* [PRC] Section 21000 et seq.); *CEQA Guidelines* (*California Code of Regulations* [CCR], *Title 14*, Section 15000 et seq.); and the rules, regulations, and procedures for implementation of *CEQA*, as adopted by the City of Murrieta. The principal *CEQA Guidelines* sections governing content of this document are Sections 15120 through 15132 (Contents of Environmental Impact Reports), and Section 15168 (Program EIR).

The City has prepared a Program Environmental Impact Report (EIR) to address environmental impacts associated with implementation of the General Plan 2035. Significant impacts that that were identified include Traffic and Circulation, Air Quality, Noise, and Parks and Recreation. A Statement of Overriding Considerations will be required to address those impacts that cannot be mitigated to a level of insignificance.

The EIR has been prepared with the intent that future development may tier from this CEQA document and the proposed mitigation, unless it is determined that any future proposed project presents significant impacts not considered and/or mitigated by this EIR. Tiering involves the use of a previous, and usually more complete analysis, that allows a proposed project to comply with CEQA regulations because the previous analysis addressed issues that could impact the proposed project.

A Notice of Availability (NOA)/Notice of Completion (NOC) were issued on February 7, 2011, with the 45-day review period ending on March 24, 2011. At the end of the 45-day review period, comments and responses to those comments were prepared along with the Mitigation Monitoring and Reporting Program and Errata for the Final EIR, all of which will be incorporated into the document for the Final Environmental Impact Report (FEIR).

FISCAL IMPACT

Funding is available from the Redevelopment Fund account number 5034400 60320 08451503 400 (44%), and General Fund account number 1124400 60320 08451112 400 (56%); however, these funds are also for additional Advanced Planning tasks, including the concurrent update of the Development Code, consultant fees, and other necessary land use studies during the fiscal year.

ATTACHMENTS

1. Resolution Certifying Environmental Impact Report, Adopting the Mitigation and Monitoring Reporting Plan, Adopting the Statement of Overriding Considerations, Adopting the Climate Action Plan, and Adopting General Plan 2035
2. Community Priorities
3. General Plan 2035 Document Summary
4. General Plan 2035 Recommended Land Use Map
5. Existing Land Use/Zoning Map
6. Statements of Facts and Findings and Statement of Overriding Considerations
7. General Plan Errata
    a. Revised General Plan Chapter 1, Introduction

b. Revised General Plan Chapter 2, Vision (to be provided under a separate cover)

8. Final Environmental Impact Report (EIR), including Mitigation Monitoring Report Plan, Comments and Responses to DEIR, and Errata for Final EIR
9. General Plan Comments and Responses
10. Planning Commission Staff Reports
11. Planning Commission Minutes
12. Draft General Plan 2035 and Draft Environmental Impact Report (provided under a separate cover)
13. General Plan 2035 Community Meetings and Workshops

RESOLUTION CERTIFYING ENVIRONMENTAL IMPACT REPORT, ADOPTING THE MIGIGATION AND MONITORING REPORTING PLAN, ADOPTING THE STATEMENT OF OVERRIDING CONSIDERATIONS, ADOPTING THE CLIMATE ACTION PLAN, AND ADOPTING THE GENERAL PLAN 2035

ATTACHMENT 1

RESOLUTION NO. 11 - _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MURRIETA CERTIFYING ENVIRONMENTAL IMPACT REPORT SCH NO. 2010111084 FOR THE CITY'S GENERAL PLAN 2035 AND ADOPTING THE MITIGATION MONITORING AND REPORTING PROGRAM AND THE STATEMENT OF OVERRIDING CONSIDERATIONS

WHEREAS, the City of Murrieta initiated a comprehensive update of its General Plan, and a General Plan Update and Program Environmental Impact Report (EIR) have been prepared to guide the future of the City by describing the goals and policies regarding land use, , economic development, transportation/mobility, , health, air quality, noise, public facilities and services, safety, and natural resources; and

WHEREAS, a Notice of Preparation for the Draft EIR was circulated to the public, responsible agencies, and other interested persons for their review and comment from November 19, 2010 to December 21, 2010, as required by CEQA; and

WHEREAS, the Draft EIR was prepared in accordance with applicable law, including the California Environmental Quality Act (CEQA), Public Resources Code of Regulations section 21000 et seq., and the CEQA Guidelines, 14 California Code of Regulations section 15000 et seq., and the Draft EIR and General Plan Update were circulated to the public, responsible agencies, and other interested persons for their review and comment from February 7, 2011 to March 24, 2011, as required by CEQA; and

WHEREAS, written comments and oral testimony were received on the draft EIR during the 45-day review period including those given at the public hearings before the Planning Commission; and

WHEREAS, the EIR provides a description of potential environmental impacts of the proposed General Plan 2035 and recommends mitigation measures to reduce impacts to a less than significant level, where feasible; and

WHEREAS, on March 9, 2011, March 23, 2011, April 6, 2011, and June 8, 2011, the Planning Commission held duly noticed public hearings, and having considered all written and oral reports of staff and public testimony on the matter, and such other matter as are reflected in the record of this matter, recommended City Council adoption of the Final EIR and related Mitigation, Monitoring and Reporting Program, and Findings and Statement of Overriding Considerations,

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Murrieta as follows:

1. That the City Council has reviewed and considered the information in the Final EIR.

2. That the Final EIR reflects the independent judgment of the City as Lead Agency.

3. That the Final EIR (SCH No. 2010111084) is hereby certified as complete and adequate and has been completed in compliance with the requirements of CEQA for the adoption of General Plan 2035 and the Climate Action Plan.

4. That the City Council adopts the attached proposed Findings of Fact and Statement of Overriding Considerations and the Mitigation Monitoring and Reporting Program.

PASSED, APPROVED AND ADOPTED this 19th day of July, 2011.

_____
Randon K. Lane, Mayor

ATTEST:

_____
A. Kay Vinson, City Clerk

APPROVED AS TO FORM:

_____
Leslie E. Devaney, City Attorney

I, A. Kay Vinson, City Clerk of the City of Murrieta, California, do hereby certify under penalty of perjury that the foregoing Resolution was duly adopted at a regular meeting of the City Council on the 19th day of July, 2011, by the following roll call vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

_____
City Clerk

DRAFT

RESOLUTION NO. 11 - _____

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MURRIETA, CALIFORNIA, ADOPTING GENERAL PLAN 2035 AND THE CITY'S CLIMATE ACTION Plan

WHEREAS, the City of Murrieta initiated a comprehensive update of its General Plan, and a General Plan Update and Program Environmental Impact Report (EIR) have been prepared to guide the future of the City by describing the goals and policies regarding land use, , economic development, transportation/mobility, health, air quality, noise, public facilities and services; safety, and natural resources;

WHEREAS, along with the General Plan 2035 goals and policies are implementation strategies geared towards carrying out these goals and policies; and

WHEREAS, the General Plan 2035 is a citywide document that is an integrated, internally consistent statement of the official land use policy for the City of Murrieta; and

WHEREAS, as part of the General Plan Update and the environmental review process, the City has also prepared a Climate Action Plan, pursuant to California Environmental Quality Act (CEQA) Guidelines section 15183.5, which provides a framework for greenhouse gas emission reductions for the City, which is included as Appendix P to the EIR; and

WHEREAS, the General Plan Update process included multiple community meetings as part of the development of the City's vision to gather input on the General Plan Update and environmental analysis; and

WHEREAS, on March 9, 2011, March 23, 2011, April 6, 2011, and June 8, 2011, the Planning Commission held duly noticed public hearings, and has considered all written and oral reports of staff and public testimony on the matter, and such other matter as are reflected in the record of this matter; and

WHEREAS, pursuant to Murrieta Municipal Code section 16.58.060, the Planning Commission adopted Planning Commission Resolution No. 2011 - _____ with recommendations for the City Council to adopt General Plan 2035 and the Climate Action Plan; and

WHEREAS, on July 19, 2011, the City Council held a duly noticed public hearing at which time, the City Council considered the Planning Commission recommendations, staff report and recommendations and public comments, both oral and written,

NOW, THEREFORE, BE IT RESOLVED, that the City Council of the City of Murrieta makes the following specific findings based on the evidence as follows:

1. The Proposed General Plan ensures and maintains internal consistency with all of the objectives, polices, general land uses, programs and actions of all elements of the general plan.

   FACTS: The General Plan 2035 is a comprehensive update of the 1994 General Plan, which includes an update of existing elements, as well as the addition of two elements. The General Plan 2035 comprises the following State mandated and optional elements: Land

Use, Economic Development; Circulation; Infrastructure, Healthy Community; Conservation; Recreation and Open Space; Air Quality; Noise; and Safety.

Major components of the General Plan 2035 include:

- Update of existing conditions, with year 2009 serving as the baseline year
- Update of General Plan development projections to the year 2035. Projections for population, residential, and non-residential development have been updated for the projected horizon year
- Additions, deletions, or modifications to the 1994 General Plan goals, policies, and implementation
- Update the Land Use Element with reorganized and new land use designations
- Amendment of the remaining General Plan Elements to reflect current conditions and account for development projections to year 2035

Development of the General Plan 2035 was a multi-year process and involved extensive public participation in the form of public workshops, surveys, and public hearings. Based upon the public participation ten community priorities were established, which guided the development of the goals and policies of the General Plan 2035.

The General Plan 2035 anticipates that most of the growth within the City will occur within five areas. The anticipated growth in residential and non-residential uses over year 2009 conditions is:

*Addition of 3,346 dwelling units
*Addition of 21,156,784 square-feet of non-residential uses

Although the General Plan 2035 focuses growth with the Focus Areas, it is anticipated that additional growth would occur within the City outside of these areas. Citywide growth, including the Focus Areas, is anticipated as follows:

*Addition of 10,734 dwelling units
*Addition of 36,210,757 square-feet of non-residential uses

The growth of the City of Murrieta has largely been driven by residential development. The 2035 General Plan seeks to direct investment toward building a strong economic base. The emphasis of the General Plan 2035 is economic development, and it is based on the City's Comprehensive Development Strategy which sets forth a 20-year vision that Murrieta will become a diversified business hub for Southwest Riverside County and North San Diego County. The General Plan Update aligns City policy with this emphasis on economic development and strongly links this emphasis with policies, which promote sustainability and developing healthy communities.

The objectives for the General Plan 2035 include:

- Providing new goals and policies to address future development and growth within the City
- Providing comprehensive and concise land use designations that better reflect the land use vision for the City
- Focus policy direction on economic development and establishing the City as a diversified and strong economic base

- Provide goals and policies to address the connections between health and the physical, social and economic environment
- Incorporate sustainability goals and policies to balance current demands with future demands as they pertain to the environment, economy, and social equity

The above described objectives are reflective of the community's concerns, issues, and priorities as express through the public participation process.

Each element of the General Plan has been reviewed by City staff, the General Plan Consultant and the Planning Commission for internal consistency and has been determined to be internally consistent.

2. The Proposed General Plan would not be detrimental to the public convenience, health, safety, or general welfare of the City.

   FACTS: The General Plan 2035 will promote the health, safety and welfare of the City though the listed goals and policies included within each Element. A Program Environmental Impact Report has been prepared for the project and provides a description of potential environmental impacts of the proposed General Plan 2035 and recommends mitigation measures to reduce impacts to a less than significant level, where feasible. After implementation of General Plan 2035 goals and policies and the recommended mitigation measures, most of the significant or potentially significant impacts associated with implementation of the proposed General Plan 2035 would be reduced to a less than significant level. Impacts in the areas of Traffic and Circulation, Air Quality, Noise and Park and Recreation Facilities could not be feasibly mitigated and would result in a significant unavoidable impacts associated with implementation of the proposed General Plan 2035. These identified unavoidable impacts would occur, however, under the existing General Plan as well.

3. The Proposed General Plan is in compliance with the provisions of the California Environmental Quality Act (CEQA).

   FACTS: The City Council has adopted Resolution No. _____ certifying the completion of a Program EIR in accordance with CEQA, adopting a Statement of Facts and Findings regarding environmental impacts of the project, a Statement of Overriding Considerations and a Mitigation Monitoring and Reporting Program.

BE IT FURTHER RESOLVED, by the City Council of the City of Murrieta based on the written information provided, the public comments received and the findings stated above, as follows:

1. The City Council amends the City of Murrieta General Plan by adopting General Plan 2035, as presented at this hearing and on file in the office of the City Clerk.

2. The City Council adopts the Climate Action Plan contained in Appendix P to the EIR, SCH No. _____.
3. The City Council directs staff to prepare and bring forth a proposed General Plan implementation plan for approval, including all actions necessary to ensure consistency between General Plan 2035 and the City's zoning as required by State law.

PASSED, APPROVED AND ADOPTED this 19th day of July, 2011.

_____
Randon K. Lane, Mayor

ATTEST:

_____
A. Kay Vinson, City Clerk

APPROVED AS TO FORM:

_____
Leslie E. Devaney, City Attorney

I, A. Kay Vinson, City Clerk of the City of Murrieta, California, do hereby certify under penalty of perjury that the foregoing Resolution was duly adopted at a regular meeting of the City Council on the 19th day of July, 2011, by the following roll call vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

_____
City Clerk

DRAFT

COMMUNITY PRIORITIES

ATTACHMENT 2

COMMUNITY PRIORITIES

During the General Plan Update, community members were afforded a number of ways to share their thoughts about Murrieta today and Murrieta in the future. The ten community priorities below describe the vision that members of the community provided for the future of their community, which guides the goals and policies in the General Plan.

Natural Environment	*Protect the natural beauty of the mountains, hills, and waterways.*
Rural Areas	*Preserve elements of Murrieta's rural heritage.*
Community Character	*Protect and foster a strong sense of community and safety, as well as the "home town" feeling.*
Recreation and Culture	*Provide abundant parks and facilities for recreational activities, and cultural amenities.*
Historic Downtown Murrieta	*Create a vibrant, prosperous Historic Downtown that serves as a community center and provides a variety of quality shopping and dining experiences.*
Governance	*Promote community involvement and provide for a fiscally sound future.*
Sustainable Economy	*Pursue economic vitality and longevity by attracting higher education and growing a base of clean industry, while maintaining the current housing affordability.*
Transportation	*Improve roadway networks to reduce traffic, and provide a citywide system of bicycle lanes and recreational trails that improve accessibility without a car.*
Infrastructure and Services	*Improve health care within the City, and continue to provide excellent school, police, fire, library, and recreation services.*
Youth Amenities	*Provide ample activities for all ages of youth, and jobs for teens.*

GENERAL PLAN 2035
DOCUMENT SUMMARY

ATTACHMENT 3

GENERAL PLAN 2035
Document Summary

Draft General Plan 2035(Previously Provided): The Draft General Plan is a comprehensive update of the City of Murrieta General Plan. General Plan 2035 includes the following chapters and Elements.

Introduction	Vision Statement
Land Use Element *	Economic Development Element
Circulation Element*	Infrastructure Element
Conservation Element*	Recreation and Open Space Element*
Healthy Community Element	Safety Element*
Noise Element*	Air Quality Element
Housing Element*	

*Required by State Law

Two new General Plan elements are the Infrastructure Element and Healthy Community Element. The Infrastructure Element, along with policies in the other General Plan elements addresses sustainable development and green building. The Healthy Community Element was developed based on the Healthy Murrieta program, which promoted nutrition and exercise.

Draft Environmental Impact Report and Technical Appendices (Previously Provided): The City of Murrieta is the Lead Agency under *CEQA* and is responsible for preparing the Program EIR for the Murrieta General Plan 2035 (State Clearinghouse No. 20100111084).

Section 5.0 of the EIR evaluates the impacts associated with the proposed General Plan 2035. This section contains a detailed environmental analysis of the existing conditions, project impacts, recommended mitigation measures, and unavoidable adverse impacts for a number of environmental topic areas. Mitigation measures that are incorporated into the General Plan 2035 in the form of goals and policies are described and additional mitigation measures, which may be required to mitigate project impacts, are recommended. These additional mitigation measures will make up the Mitigation Monitoring Report (MMRP) that will become part of the environmental approval for the EIR.

The technical appendices also include the Climate Action Plan which is proposed for adopting by the City Council. The CAP is an implementation tool for the General Plan, and more importantly helps the City comply with A.B. 32 and other State laws and policies that require local government to work toward reducing greenhouse gas emissions.

Final Environmental Impact Report (Attached): The Final EIR is comprised of the Draft EIR, the Draft EIR Technical Appendices, the Mitigation Monitoring Reporting Program (MMRP), Comments and Responses, and the Errata for the Final EIR. As required by law, the responses to the EIR were mailed at least 10 days prior to the City Council hearing. The MMRP was also revised based on comments by the Pechanga Band of Luiseno Indians. Those revisions are consistent with current City policies and requirements, and with State law. The revisions provide more detail about project requirements for compliance with S.B. 18 and other laws governing the preservation of cultural resources.

Statement of Facts and Findings, and Statement of Overriding Considerations (Attached): The City prepared a Draft Environmental Impact Report (DEIR) to address significant impacts that that were

identified; including Traffic and Circulation, Air Quality, Noise, and Parks and Recreation. A Statement of Overriding Considerations is required to address those impacts that cannot be mitigated to a level of insignificance.

General Plan 2035 Errata (Attached): The errata shows errors identified during review and the changes made to those sections of General Plan 2035. It also shows the changes made due to corrections from other agencies and/or from additional information provided by those agencies.

General Plan Comments and Responses (Attached): Although not required by law, staff compiled and provided comments on letters and emails received that were not comments on the EIR.

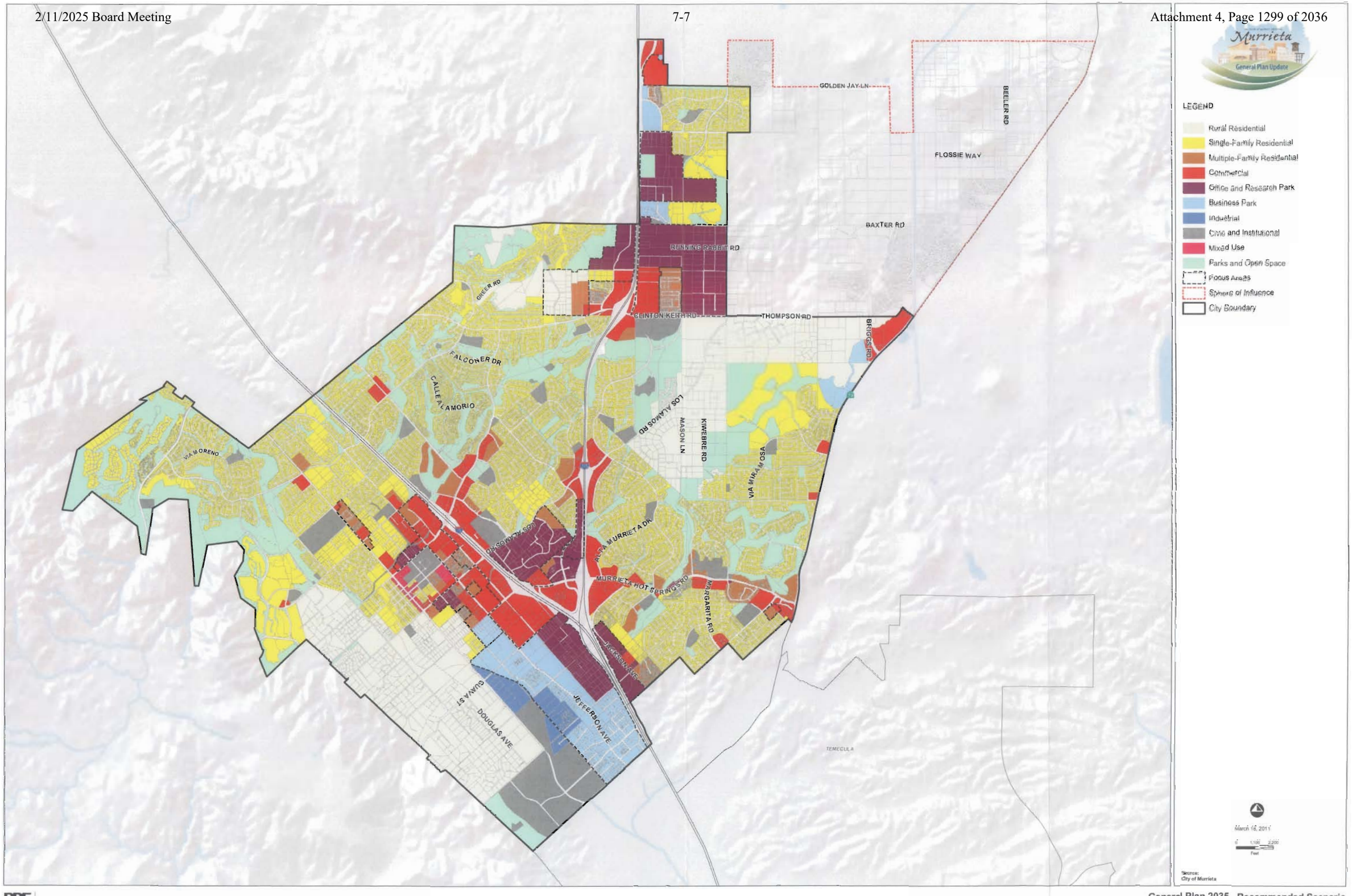
Community Priorities (Attached): The General Plan 2035 process include workshops and other opportunities for public participation. This list of ten priorities is the vision for the City of Murrieta provided by community members.

MAPS:

1. General Plan 2035 Recommended Land Use
2. Existing General Plan Land Use/Zoning

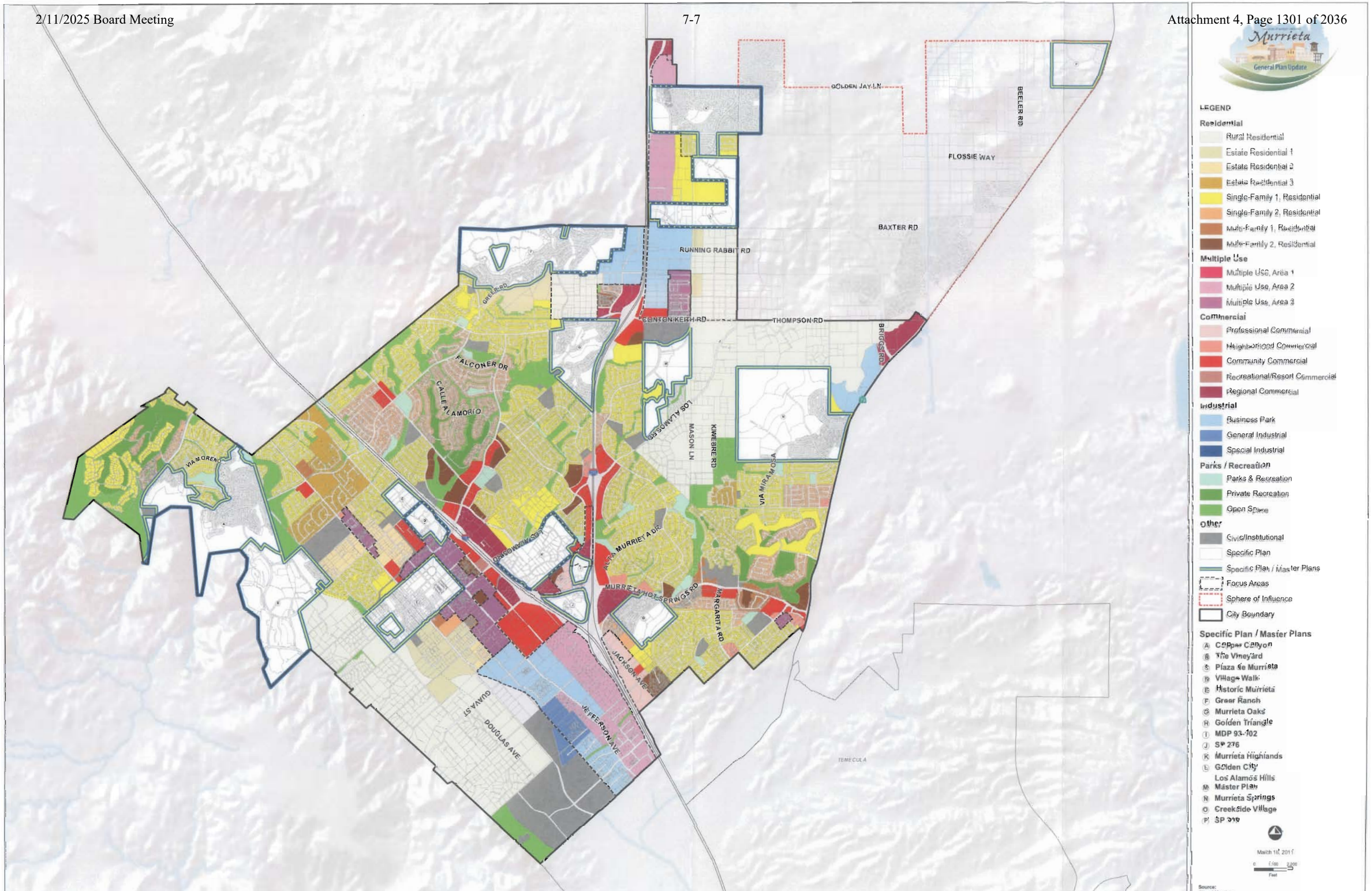
GENERAL PLAN 2035 RECOMMENDED LAND USE MAP

ATTACHMENT 4


Murrieta
General Plan Update
LEGEND
Rural Residential
Single-Family Residential
Multiple-Family Residential
Commercial
Office and Research Park
Business Park
Industrial
Civic and Institutional
Mixed Use
Parks and Open Space
Focus Areas
Sphere of Influence
City Boundary
GOLDEN JAY LN
BEELER RD
FLOSSIE WAY
BAXTER RD
RUNNING RABBIT RD
GREER RD
CLINTON KEITH RD
THOMPSON RD
BRIGGS RD
FALCONER DR
CALLE ALAMORIO
LOS ALAMOS RD
MASON LN
KIWEBRE RD
VIA MIRAMOSA
VIA MORENO
ALTA MURRIETA DR
MURRIETA HOT SPRINGS RD
MARGARITA RD
JACKSON AVE
GUAVA ST
DOUGLAS AVE
JEFFERSON AVE
TEMECULA
March 16, 2011
Source:
City of Murrieta

EXISTING LAND USE/ZONING MAP

ATTACHMENT 5



RBF CONSULTING

Existing General Plan/Zoning

STATEMENT OF FACTS AND FINDINGS
AND
STATEMENT OF OVERRIDING CONSIDERATIONS REGARDING THE ENVIRONMENTAL EFFECTS FOR THE MURRIETA GENERAL PLAN 2035

ATTACHMENT 6

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1.0 STATEMENT OF FACTS AND FINDINGS

1.1 INTRODUCTION

The *California Environmental Quality Act* (*CEQA*) requires that a Lead Agency issue two sets of findings prior to approving a project that will generate a significant impact on the environment. The Statement of Facts and Findings is the first set of findings where the Lead Agency identifies the significant impacts, presents facts supporting the conclusions reached in the analysis, makes one or more of three findings for each impact, and explains the reasoning behind the agency's findings.

The following statement of facts and findings has been prepared in accordance with the *CEQA* and *Public Resources Code* Section 21081. *CEQA Guidelines* Section 15091 (a) provides that:

> *No public agency shall approve or carry out a project for which an EIR has been certified which identifies one or more significant environmental effects of the project unless the public agency makes one or more written findings for each of those significant effects, accompanied by a brief explanation of the rationale for each finding.*

There are three possible finding categories available for the Statement of Facts and Findings pursuant to *CEQA Guidelines* Section 15091(a).

> *(1) Changes or alterations have been required in, or incorporated into, the project which avoid or substantially lessen the significant environmental effect as identified in the final EIR.*
>
> *(2) Such changes or alterations are within the responsibility and jurisdiction of another public agency and not the agency making the finding. Such changes have been adopted by such other agency or can and should be adopted by such other agency.*
>
> *(3) Specific economic, legal, social, technological, or other considerations, including provision of employment opportunities for highly trained workers, make infeasible the mitigation measures or project alternatives identified in the final EIR.*

The Statement of Overriding Considerations is the second set of findings. Where a project will cause unavoidable significant impacts, the Lead Agency may still approve a project where its benefits outweigh the adverse impacts. As provided in the Statement of Overriding Considerations, the Lead Agency sets forth specific reasoning by which benefits are balanced against effects, and approves the project.

The City of Murrieta, the CEQA Lead Agency, finds and declares that the proposed General Plan 2035 Program Environmental Impact Report (EIR) has been completed in compliance with *CEQA* and the *CEQA Guidelines*. The City of Murrieta ("City") finds and certifies that the EIR was reviewed and information contained in the EIR was considered prior to approving the proposed Murrieta General Plan 2035, herein referred to as the "project" or "proposed project."

Based upon its review of the EIR, the Lead Agency finds that the EIR is an adequate assessment of the potentially significant environmental impacts of the proposed project, represents the independent judgment of the City, and sets forth an adequate range of alternatives to this project.

The Final EIR is composed of the following elements:

- The Murrieta General Plan 2035 Public Review Draft Environmental Impact Report (February 2011);
- Responses to Comments;
- Errata for the Final General Plan EIR; and
- Mitigation Monitoring and Reporting Program.

2.0 PROJECT SUMMARY

2.1 DESCRIPTION OF PROJECT PROPOSED FOR APPROVAL

The General Plan 2035 is a comprehensive update of the 1994 General Plan, which includes an update of existing elements, as well as the addition of two elements. The General Plan 2035 comprises the following State mandated and optional elements: Land Use; Economic Development; Circulation; Healthy Community; Conservation; Recreation and Open Space; Air Quality; Noise; Safety; and Housing (updated and adopted as part of a separate process).

Major components of the General Plan 2035 include:

- Update of existing conditions, with year 2009 serving as the baseline year.
- Update of General Plan development projections to the year 2035. Projections for population, employment, residential, and non-residential development have been updated for the projected horizon year.
- Additions, deletions, or modifications to the 1994 and 2006 General Plan goals, policies, and implementation.
- Update the Land Use Element with reorganized and new land use designations. This includes separating the City's currently combined Land Use and Zoning Map into two separate maps. The General Plan Land Use Policy Map will provide broad land use categories and the Zoning Map, which is being updated separately from the General Plan 2035, will define specific uses and development standards.
- Amendment of the remaining General Plan Elements to reflect current conditions and account for development projections to year 2035.

CONTENTS OF THE PROPOSED GENERAL PLAN

The General Plan 2035 includes the legally required elements for a General Plan, as well as some optional components that the community feels it is important to address. Once adopted, the optional elements have the same legal status as the mandatory elements. Each chapter of the General Plan has a specific purpose and focus as described below. Together, they present a consistent policy platform as required by law. No single element or subject supersedes any other, and all are internally consistent.

Introduction

The Introduction explains the purpose and contents of the General Plan, including how to use the General Plan, its relationship to California law, and the planning process that was followed for the General Plan 2035.

Vision

The Vision chapter provides the context for the General Plan, including background on Murrieta, major policy initiatives behind the General Plan 2035, and the community priorities that shaped the General Plan goals and policies.

Land Use Element

The Land Use Element establishes the anticipated patterns of development activity and land use that support, implement, and enhance the City's future vision. The Land Use Element will provide the primary guidance in the way Murrieta develops and redevelops over the next 25 years. It will serve as the City of Murrieta's primary policy guidance tool for land use decision-making and expresses the type, intensity, and general distribution of land uses. Parameters and desired locations for land uses such as residential, commercial, industrial, civic/institutional, parks, and open space are mapped and described.

Economic Development Element

The Economic Development Element identifies current economic development conditions and demonstrates how the land use plan will promote business activity and employment growth within the City, consistent with the priorities identified by City leaders and the community. The Economic Development Element establishes goals and policies to promote fiscal stability, expand the City's employment base, and enhance the City's revenues in order to provide quality services to the community.

Circulation Element

The Circulation Element establishes the plan for mobility and circulation within the City. This Element provides programs and policies to establish a roadway system that adequately accommodates future growth consistent with the Land Use Element. The Circulation Element seeks to provide for a safe, convenient, and efficient transportation system allowing for the movement of people and goods throughout the City and the region. Additionally, the Element supports the vision of the community to improve roadway networks to reduce traffic and provide a system of bicycle lanes and recreational trails that encourage walking and biking. The Circulation Element includes policies for the safe and efficient management of traffic, provision of transit and other modes of transportation, as well as bicycle, pedestrian, and multi-use trails.

Healthy Community Element

The purpose of the Healthy Community Element is to promote the health, safety, and general welfare of Murrieta's residents, workers, and visitors. It highlights the connections between health and the physical, social, and economic environment, and provides an overarching strategy for achieving and maintaining a healthy community. The Element describes the legal and logical basis for creating a Healthy Community Element, identifies key health conditions and determinants in Murrieta, and provides a vision and key concepts for health in Murrieta. Goals and policies promote a healthy community.

Conservation Element

The Conservation Element provides direction regarding the conservation, development, and utilization of natural and cultural resources. It serves as a guide for the City of Murrieta, its residents, and its businesses to understand what natural or other resources exist in the City, how development impacts these resources, and methods to maintain, preserve, or conserve these resources. The Conservation Element considers the following resources in the natural environment: water; hills and ridges; and mineral, paleontological, and biological resources. It also considers resources within the built environment: urban ecology, farmland, cultural, energy, and solid waste.

Recreation and Open Space Element

The Recreation and Open Space Element describes the City's parks and open space resources, community and recreation facilities, and recreation programs available to all Murrieta residents. Goals and policies are identified to support park and recreation facilities and programs that meet the needs of the community, including youth and senior programs and facilities. Open space areas and trails that provide opportunities for residents and visitors to enjoy the natural and aesthetic beauty of Murrieta are also supported through the goals and policies. This Element is intended to be used in conjunction with the City of Murrieta Parks and Recreation Master Plan.

Air Quality Element

Recognizing the importance of air quality associated with the public's health and welfare and that air quality is a regional issue that extends beyond the jurisdictional boundaries of a city, Murrieta has chosen to include Air Quality as an optional Element within its General Plan. The Air Quality Element is intended to establish policy direction and implementation measures that allow the South Coast Air Basin to attain Federal and State air quality standards, as well as to protect Murrieta residents and businesses from the harmful effects of poor air quality. The Element establishes a number of programs to reduce current pollution emissions and to require new development to include measures to comply with air quality standards. This Element also contains provisions to address new air quality regulations and requirements. The City has also prepared a Climate Action Plan, which addresses global climate change issues and the reduction of greenhouse gas emissions.

Noise Element

The Noise Element examines noise sources in the City to identify and assess the potential for noise conflicts and problems, and to identify ways to reduce existing and potential noise impacts. The Element addresses noise that affects the larger community, rather than noise associated with site-specific conditions. Existing and future noise from mobile and stationary sources are considered, as well as the compatibility of land uses and sensitive receptors. The Element identifies projected noise levels and contains goals and policies to maintain noise levels that are compatible with various types of land uses, as well as to prevent high noise levels in sensitive areas.

Safety Element

The Safety Element describes hazards that exist in Murrieta and the measures that the City is taking to address them. The Element acknowledges that some naturally occurring hazards may be unavoidable, but their impacts on communities can be reduced through planning and preparation. Thus, the Safety Element addresses geologic, seismic, flood, and fire hazards. This Element also addresses hazards created by human activity: hazardous materials and waste, aircraft hazards, and incidents that call for police protection. The Safety Element describes the City's efforts to prepare for and respond to emergencies.

Housing Element

The Housing Element provides programs and policies that assist the community, region, and State in meeting the goal of providing housing affordable to all socioeconomic segments of the population. The Element addresses citywide housing and population demographics, regional fair-share housing allocations, and implementation strategies to assist the City in providing a full range of housing opportunities. The Housing Element is being updated in a separate process.

CLIMATE ACTION PLAN

California adopted Assembly Bill (AB) 32, the California Global Warming Solutions Act of 2006, which requires California to reduce statewide greenhouse gas (GHG) emissions to 1990 levels by 2020. The California Air Resources Board (CARB) encourages local governments to adopt a reduction goal for municipal operations emissions and move toward establishing similar goals for community emissions that parallel the State commitment to reduce GHGs. As part of the General Plan 2035 process, the City also decided to undertake development of its first Climate Action Plan (CAP). Development of the CAP occurred simultaneously with the General Plan 2035 to ensure that the CAP was synchronized with the direction of the Plan. The CAP is an important implementing action of the Plan that must reflect and be consistent with the overall goals of the General Plan 2035.

Adopted concurrently with the General Plan 2035, the CAP is an implementing action of the General Plan that describes measures intended to reduce GHG emissions within City operations and the community at-large. Overall, the goal of the CAP is to reduce Murrieta's GHG emissions by 15 percent below current 2009 emission levels by the year 2020. The CAP provides general information about climate change and how GHG emissions within the community contribute to it, as well as an analysis of the potential effects of climate change on the community. In addition, the CAP describes the baseline GHG emissions produced in Murrieta, and projects GHG emissions that could be expected if the CAP was not implemented. The CAP establishes a comprehensive, GHG emissions reduction strategy for Murrieta with regard to seven strategies: a) Community Involvement, b) Land Use and Community Vision, c) Transportation and Mobility, d) Energy Use and Conservation, e) Water Use and Efficiency, g) Waste Reduction and Recycling, and f) Open Space.

LAND USE PLAN

The General Plan 2035 supersedes the 1994 Murrieta General Plan and subsequent updates to the Land Use Element, Circulation, and Economic Development Elements, which most recently occurred in 2006. This update to the General Plan may contain similar goals, policies, or other components of the previous plan; however, this version has been tailored to meet the issues

and needs of the City at the present time and foreseeable future. The General Plan Land Use Policy Map identifies the type, location, and density/intensity of future development within the City of Murrieta.

LAND USE SUMMARY

Although a majority of the City is developed, approximately 34 percent of the City is currently vacant. In addition to the basic statutory requirements, the General Plan 2035 will focus on guiding the development of vacant land, specifically focusing on opportunities for economic development. Before starting the General Plan 2035, the Murrieta City Council identified economic development as the City's top priority. To achieve this vision, the City seeks to encourage private sector investment in the creation of higher paying jobs, generating income, and wealth through economic diversification. The City is focusing its efforts to attract a variety of businesses and industries, higher educational institutions, and health care facilities. A full range of quality new development will be part of this effort, including retail centers, corporate/technology parks, hotels, and upscale restaurants.

The General Plan 2035 aligns City policy with this emphasis on economic development by directing public investments in infrastructure and promoting the development of shovel-ready sites. It targets key locations for changes in land use and zoning that support the development of medical, educational, commercial, and business clusters. The General Plan 2035 identifies the following seven Focus Areas:

- North Murrieta Business Corridor – land use change
- Clinton Keith/Mitchell Area – land use change
- Golden Triangle North (Central Murrieta) – land use change
- South Murrieta Business Corridor – land use change
- Multiple Use Area 3 (MU-3) – land use change
- Historic Murrieta Specific Plan – no land use change; policy change only
- Los Alamos Hills – no land use change, policy change only

Although some growth is anticipated within the Historic Murrieta Specific Plan and Los Alamos Hills focus areas, no land use changes are proposed with the General Plan 2035. The remaining five focus areas have been targeted for land use change. These areas include key locations along freeway corridors that are suitable for major land development and redevelopment to carry out the City Council's economic development strategy, including areas around Loma Linda University Medical Center-Murrieta and the Murrieta Education Center. They also include rural residential areas north of Clinton Keith Road that are adjacent to major new development along I-215.

The General Plan 2035 anticipates that most of the growth would occur within the focus areas. A description of the focus areas are provided below.

NORTH MURRIETA BUSINESS CORRIDOR

Location

The North Murrieta Business Corridor encompasses approximately 816 acres, and is located on the east side of Interstate 215 and extending to the eastern city-limit boundary, north of Clinton Keith Road, and generally south of Scott Road (but mostly south of Keller Road).

Background

The areas being considered for potential land use changes generally include vacant, underutilized, or rural residential properties.

The catalysts for reevaluating the land uses are the construction of the new Loma Linda University Medical Center and the desire to create a medical corridor and a high technology/office/research employment center, along with commercial uses that support business and employment needs, such as restaurants or hotels.

Vision

The North Murrieta Business Corridor Focus Area is intended to:

- Provide a mix of Office and Research Park and Commercial uses.
- Create a signature look as the northern gateway into the City.
- Become a major employment center in the northern part of the City.
- Provide high-quality and accessible health care in the City with the Loma Linda University Medical Center and medical-related uses.
- Provide opportunities for a medical campus along with a high technology/office/research employment center in the area generally bounded by I-215 on the west, Keller Road on the north, Menifee Road on the east, and Clinton Keith Road on the south.
- Provide commercial uses that support medical, business, and employment needs in the Focus Area, such as restaurants or hotels.

It is anticipated that a range of building heights will be permitted within the Focus Area with heights of two to three stories adjacent to residential areas increasing up to maximums between five and ten stories in more centrally located areas near the five-story Loma Linda University Medical Center, along the I-215 freeway frontage, or adjacent to business park uses.

New development anticipated in this Focus Area under the General Plan 2035 includes an additional 1,672,843 square feet of commercial uses and 7,666,185 square feet of office and research uses.

CLINTON KEITH/MITCHELL

Location

The Clinton Keith/Mitchell area encompasses approximately 280 acres, located west of Interstate 215, north of Clinton Keith Road, and south of the Greer Ranch development.

Background

The area is developed with large-lot single-family homes and retail uses, including a regional commercial shopping center, and can be generally characterized as rural residential in nature. The catalyst for reevaluating the land uses is the encroachment of development surrounding the area and the impact of that development on the rural lifestyle.

Vision

The Clinton Keith/Mitchell Focus Area is intended to:

- Provide a mix of Large Lot, Single-Family, and Multiple-Family Residential, Commercial, and Office and Research Park uses.
- Maintain large lot residential areas generally west of Duster Road.
- Provide a mix of Single-Family and Multiple-Family residential uses generally east of Mitchell Road and south of Linnel Lane.
- Provide shopping opportunities east of McElwain Road and west of I-215.
- Provide office and research park uses north of Linnel Lane and west of I-215.

The Single-Family and Multiple-Family Residential uses will provide a transition of residential densities from the large lot residential area generally east of Mitchell Road and south of Linnel Lane to the shopping and employment centers north of Linnel Lane and east of McElwain Road.

The Office and Research Park uses have the potential to support the Loma Linda Medical Center and related uses proposed in the North Murrieta Business Corridor Specific Plan, as well as provide centers for more locally-oriented businesses. It is anticipated that building heights would be a maximum of two to three stories.

The Commercial uses have visibility and access from the I-215 freeway as well as close proximity to surrounding residential uses; thus providing both local and regional access to the shopping centers.

New development anticipated in this Focus Area under the General Plan 2035 includes 869 new residential units, and an additional 265,155 square feet of commercial/office uses and 1,045,404 square feet of office and research uses.

GOLDEN TRIANGLE NORTH (CENTRAL MURRIETA)

Location

The Golden Triangle North (Central Murrieta) area encompasses approximately 218 acres, located between Interstates 15 and 215, south of Los Alamos Road and generally north of Murrieta Hot Springs Road.

Background

The catalysts for reevaluating the land uses are the Crossroads Corporate Center and the Rancho Springs Medical Center. Portions of this area have been developed, but the remainder is vacant or occupied with single-family homes or small businesses on the properties.

Vision

The Golden Triangle North (Central Murrieta) Focus Area is intended to:

- Provide a mix of Multiple-Family Residential, Commercial, and Office and Research Park uses.

- Become an office and technology park employment center with some areas reserved for commercial uses.
- Provide office and research park uses in Central Murrieta north of I-215, east of Los Alamos Road, and generally west of Hancock Avenue to support the Rancho Springs Medical Center and complement the Crossroads Corporate Center.
- Provide shopping opportunities to support the employment uses in the Focus Area, as well as for the community.
- Eliminate the MU-1 general plan designation and redesignate those areas in the General Plan as either Office and Research Park or Commercial.

The Office and Research Park uses have the potential to support the Rancho Springs Medical Center, as well as provide opportunities for a range of technology and research uses. It is anticipated that buildings height for the Office and Research Park uses could range in height up to a maximum between five and ten stories.

The Commercial uses have visibility from the I-15 freeway as well as close proximity to surrounding residential and employment uses; thus providing both local and regional access to the shopping centers.

New development anticipated in this Focus Area under the General Plan 2035 includes an additional 244,872 square feet of commercial uses and 2,193,678 square feet of office and research uses.

SOUTH MURRIETA BUSINESS CORRIDOR

Location

The South Murrieta Business Corridor encompasses approximately 201 acres and is located west of Interstate 15, extending to Adams Avenue to the west and south of Murrieta Hot Springs Road to the southern City boundary.

Background

The catalyst for reevaluating the land uses is the Murrieta Education Center, which introduces Class A office buildings to the area. Properties considered for land use changes are primarily vacant or underutilized.

Vision

The South Murrieta Business Corridor Focus Area is intended to:

- Create a signature look as the southern gateway into the City.
- Provide a mix of Office and Research Park, Business Park, and Industrial Uses.
- Become a major employment center in the southern part of the City.
- Provide additional opportunities for Class A office buildings.
- Maintain the Business Park designation to promote and intensify the uses along the Jefferson Avenue corridor.
- Eliminate the MU-2 general plan and zoning designations and redesignate those areas in the General Plan as either Office and Research Park or Business Park.

The Office and Research Park uses will be primarily located west of the I-15 freeway, south of Guava Street, east of Madison Avenue, and north of Elm Street. The buildings heights in this area could range in height up to a maximum of five to six stories.

The Business Park and Industrial uses will occupy the remainder of the Focus Area. The maximum buildings heights would be consistent with existing business park and industrial uses, ranging from two to three stories.

New development anticipated in this Focus Area under the General Plan 2035 includes an additional 3,126,582 square feet of office and research uses and 2,393,221 square feet of business park uses.

MULTIPLE USE AREA 3 (MU-3)

Location

The MU-3 area encompasses approximately 201 acres, and is primarily located on the west of Interstate 15.

Background

This area is developed with both commercial and multi-family uses, and most of the area is presently developed.

The catalyst for reevaluating the land uses is the past interpretations of how this designation has or should be developed; these interpretations have resulted in parcels with 100 percent commercial or 100 percent multi-family developed on individual parcels, as opposed to a true mix of multiple uses on a parcel.

Land uses considered for the developed areas are consistent with actual uses. There are a number of parcels that are vacant, single-family residential, underdeveloped, or a combination of single-family and commercial businesses. Land uses considered for those parcels are intended to be compatible with existing development.

Vision

This Focus Area is intended to:

- Provide for mix of Multiple-Family Residential, Commercial, Office and Research Park, Business Park, and Institutional uses.
- Redesignate parcels with land uses that are consistent with actual uses on parcels (i.e., residential, office, commercial).
- Redesignate parcels that are vacant or underdeveloped to uses that are compatible with on-site and surrounding uses.
- Eliminate the Multiple Use 3 (MU-3) Area designation in the General Plan.

The land uses in this Focus Area reviewed past interpretations of how the MU-3 designation has been or should be applied; these interpretations resulted in parcels with 100 percent commercial or 100 percent multi-family developed on individual parcels, as opposed to a true mix of multiple uses on a parcel.

New development anticipated in this Focus Area under the General Plan 2035 includes 1,137 new residential units, and an additional 800,710 square feet of commercial uses, 434,336 square feet of office and research uses, 291,802 square feet of business park uses, and 2,028 square feet of civic and institutional uses.

HISTORIC MURRIETA SPECIFIC PLAN

Location

The Historic Murrieta Specific Plan Area is the historic core of the City. Bounded by Kalmia Street to the north, Ivy Street to the south, Hayes Avenue to the west and Jefferson Avenue to the east, the area encompasses approximately 250 acres.

Background

The area was originally part of Juan Murrieta's Rancho and was purchased by the Temecula Land and Water Company in 1884, when the land was subdivided into a variety of individual lots. Over the years, the land was developed with a range of residential and commercial uses. The predominant use in the area remained residential, with the majority of development activity occurring around Clay Street's Fountain House Hotel and the railroad station. Commercial development began to characterize Washington Avenue during the turn of the century. Today, Washington Avenue and the entire Historic Murrieta are reminiscent of the City's past, with a mixture of historic commercial and residential buildings.

Today, the City has accomplished a number of goals for Historic Murrieta. A Civic Center, Police Station, Community Library, and Senior Center are flourishing. Renewed pride, investment are evidenced by many new and successful businesses.

Key Guiding Principles of the Historic Murrieta Specific Plan area include:

- Creating of a Cultural and Governmental Center
- An Attractive Town Center
- A Historic and Pedestrian Scaled Environment
- Proactive Economic Development

The City of Murrieta seeks to continue the preservation and enhancement of the Historic Murrieta area through continued introduction of a complementary mix of residential, retail, civic and job-creating uses.

Additional development anticipated under the General Plan 2035 includes 512 new residential units, an additional 521,413 square feet of commercial uses, and an additional 251,102 square feet of office and research uses. This development potential is in addition to the development potential assumed for the Specific Plan.

LOS ALAMOS HILLS

Location

The Los Alamos Hills area is generally bounded by Clinton Keith Road on the north, Whitewood Road on the west, the Northstar Ranch and Hunter's Ridge developments on the south, and Winchester Road on the east.

Background

The Los Alamos Hills area has an important history within the Murrieta community. It has long been a unique area in the City in which to live a rural lifestyle and enjoy the natural resources within the area. The eastern portion of the Los Alamos Hills area is located close to future Commercial and Business Park developments and Winchester Road. These uses are not entirely compatible with the existing rural lifestyle west of Warm Springs Creek, therefore, future land use transitions east of Warm Springs Creek may be considered. The Los Alamos Hills area has a variety of street classification within and abutting its boundary, and is dependent upon small rural streets for internal circulation.

There is an interest by some of the property owners within the Los Alamos Hills area to develop a Specific Plan that would to maintain the rural core of the Los Alamos community west of Warm Springs Creek, while providing certain needed local services. With a Specific Plan, property owners are looking to develop a land use plan that both reflects the rural character of the area, but provides for transitional land uses between the rural land uses and more intense development near Winchester Road. The existing open space, future development pattern, and circulation system established for the area is intended to maintain and preserve the majority of area as a picturesque area, whose topography and setting contribute to the rural agricultural enclave. The Specific Plan would identify the needs and providers of infrastructure.

Additional development anticipated under the General Plan 2035 includes 828 new residential units and an additional 157,453 square feet of commercial uses.

Table 1, *Focus Area Land Use Projections*, provides a summary of the growth over existing conditions that would occur within each Focus Area with the General Plan 2035.

The anticipated growth in residential and non-residential uses over year 2009 conditions within the Focus Areas is:

- Addition of 3,346 dwelling units
- Addition of 21,156,784 square feet of non-residential uses

Although the General Plan 2035 focuses growth within the Focus Areas, it is anticipated that additional growth would occur within the City outside of these areas. Citywide growth, including the Focus Areas, is anticipated as follows:

- Addition of 10,734 dwelling units
- Addition of 36,210,757 square feet of non-residential uses

Table 1
Focus Area Land Use Projections

Focus Area	Acres	Residential	Commercial	Professional and Office	Business Park	Industrial	Civic/ Institutional
North Murrieta Business Corridor	816.21		1,672,846	7,666,185			
Clinton Keith/Mitchell	279.56	869	265,155	1,045,404			
Golden Triangle North (Central Murrieta)	218.16		244,872	2,193,678			
South Murrieta Business Corridor	580.49			3,216,582	2,393,221		
Multiple Use 3 (MU-3)	201.34	1,137	800,710	434,336	291,802		2,028
Historic Murrieta Specific Plan	250.00	512	521,413	251,102			
Los Alamos	TBD	828	157,453				
Total	**2,345.76**	**3,346**	**3,662,446**	**14,807,287**	**2,685,023**	**0**	**2,028**

Table 2, *General Plan 2035 Buildout*, provides a summary of the anticipated development conditions through buildout. The values include the additional growth anticipated with the General Plan 2035, including the Focus Areas, as presented in *Table 1*.

Table 2
General Plan 2035 Estimated Buildout

Land Use Designations	Acres	Dwelling Units	Square Feet
Residential			
Large Lot Residential	3,126.87	977	
Single-Family Residential	6,517.17	31,581	
Multiple-Family Residential	611.20	11,379	100,000
Non-Residential			
Commercial	1,335.03		18,683,477
Professional and Office	1,376.94		16,465,371
Business Park	823.40		11,403,714
Industrial	108.69		1,498,300
Civic/Institutional	999.14		1,168,369
Other Land Uses			
Mixed Use	42.70		853,913
Parks and Open Space	3,220.85		16,508
Roads	3,348.69		
TOTAL CITY ONLY	**21,510.68**	**44,484**	**50,189,652**
Sphere of Influence	5,340.95		
TOTAL WITH SPHERE OF INFLUENCE	**26,851.63**		

In total, these efforts are anticipated to result in following scenario at buildout:

- 44,484 residential dwelling units; and
- 50,189,652 square feet of non-residential uses.

2.2 STATEMENT OF OBJECTIVES

The City of Murrieta's objectives for the General Plan 2035 are as follows:

- Focus policy direction on economic development and establishing the City as a diversified and strong economic base.
- Provide new goals and policies to address future development and growth within the City.
- Provide comprehensive and concise land use designations that better reflect the land use vision for the City.
- Update the City's environmental baseline (i.e., existing) conditions to the year 2009.
- Update the General Plan development projections for the year 2035, including projections for dwelling units, non-residential square footage, population, and employment.
- Provide goals and policies to address the connections between health and the physical, social, and economic environment.
- Incorporate sustainability goals and policies to balance current demands with future demands as they pertain to the environment, economy, and social equity.
- Provide a basis for informative decisions when considering the 2035 development associated with implementation of the General Plan 2035 in the City of Murrieta.
- Conform with CEQA Section 21000 et seq., which requires that environmental impacts be addressed and mitigated.
- Provide a legally defensible environmental foundation upon which discretionary actions may be evaluated.

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3.0 ENVIRONMENTAL REVIEW/ PUBLIC PARTICIPATION

The City of Murrieta conducted an extensive review of this project which included a Draft EIR and a Final EIR, including technical reports, along with a public review and comment period. The following is a summary of the City's environment review of this project:

- Pursuant to the provision of *CEQA Guidelines* Section 15082, as amended, the City of Murrieta circulated a Notice of Preparation (NOP) to public agencies, special districts, and members of the public who had requested such notice for a 30-day period. The NOP was submitted to the State Clearinghouse on November 22, 2010, with the 30-day review period ending on December 21, 2010.

- The NOP public review period ran for 30 days. The City accepted a number of written comments from individuals, groups, and agencies. The scope of the issues identified in the comments included potential impacts associated with a variety of topical areas. The specific environmental concerns outlined below in *Table 3*, *NOP Comments*, were raised in responses to the NOP for the proposed General Plan 2035. The table briefly summarizes the comment(s), the relevant EIR section where the topic is addressed, topics that are relevant to be addressed in the Program EIR, and topics that are relevant to the addressed in the General Plan 2035.

Table 3
NOP Comments

Individual, Group or Agency	Comment	EIR Section[1]	General Plan 2035[2]
California Emergency Management Agency (Cal EMA)	Examine the sections of state planning law that involve potential hazards the City may face and determine if there are hazard issues within the community which the GP should address.	Not Applicable to EIR	X
Citizen for Quality Life in Murrieta (CQLM)	Include the draft policies and goals for the Los Alamos Hills Specific Plan.	Not Applicable to EIR	X
	Remove two very high density projects within the community and from the Housing Element, General Plan Update, and EIR.	Not Applicable to EIR	X
	Analyze how the City's growth would affect the provision of water and sewer services, change traffic patterns and safety, Police and Fire response times, pedestrian and trail safety, air quality impacts, and the provision of public open space versus private property rights in the Los Alamos Hills area.	Section 5.1, Land Use Section 5.2, Population, Employment, and Housing Section 5.4, Traffic and Circulation Section 5.5, Air Quality Section 5.8, Geology and Seismic Hazards Section 5.13, Hydrology, Drainage, and Water Quality Section 5.14, Hazards and Hazardous Materials, Section 5.15, Water Supply Section 5.16, Wastewater Section 5.17, Fire Protection Section 5.18, Police Protection Section 5.20, Parks and Recreational Facilities	
	Analyze the financial impacts of implementing the	Not Applicable to EIR	X

Individual, Group or Agency	Comment	EIR Section[1]	General Plan 2035[2]
	goals and policies of the General Plan on a neighborhood-by-neighborhood basis, including Los Alamos Hills.		
	Evaluate all possible funding tools and mechanisms legally available to the City and each neighborhood which might help mitigate the financial burden resulting from implementation of the General Plan 2035.	Not Applicable to EIR	X
	There should be goals and policies to encourage City staff to actively pursue all Federal, State, and County grant opportunities as well as other funding sources.	Not Applicable to EIR	X
City of Menifee	Potential impacts to regional transportation corridors within the project vicinity, specifically possible impacts to the interchanges along Interstate 215. The DEIR should identify mitigation measures for impacts to regional transportation corridors.	Section 5.4, Traffic and Circulation	
County of Riverside Transportation and Land Management Agency	Traffic study to address potential impacts and mitigation measures on all roadways in the County General Plan that might be affected.	Section 5.4, Traffic and Circulation	
	If a modeling process is to be used, model inputs and assumptions should be thoroughly documented. The recently developed RIVTAM is the suggested model.	Section 5.4, Traffic and Circulation	
Department of Toxic Substances Control (DTSC)	Evaluate whether conditions within the project area may pose a threat to human health or environment.	Section 5.14, Hazards and Hazardous Materials	
	Identify the mechanism to initiate any required investigations and/or remediation for any site that may be contaminated. If necessary, DTSC would require an oversight agreement in order to review.	Section 5.14, Hazards and Hazardous Materials	
	Environmental investigations, sampling, and/or remediation for a site should be conducted under a Workplan and the findings should be summarized.	Section 5.14, *Hazards and Hazardous Materials*	
	If any demolition, an investigation should be conducted for the presence of other hazardous materials. If other hazardous materials are identified, proper precautions should be taken during demolition activities and contaminants should be remediated in compliance with California environmental regulations and policies.	Section 5.14, Hazards and Hazardous Materials	
	If soil is contaminated, it must be properly disposed and not simply placed in another location onsite. Land Disposal Restrictions (LDRs) may be applicable to such soils.	Section 5.14, Hazards and Hazardous Materials	
	Human health and the environment of sensitive receptors should be protected during any construction or demolition.	Section 5.14, Hazards and Hazardous Materials	
	If it is determined that hazardous wastes are, or will be, generated by the proposed operations, the wastes must be managed in accordance with the California Hazardous Waste Control Law and Hazardous Waste Control Regulations.	Section 5.14, Hazards and Hazardous Materials	
Jim Kelly, Murrieta Property Owner	Remove two very high density projects within the community and from the Housing Element, General Plan 2035, and EIR.	Not Applicable to EIR	X
Johnson & Sedlack	Provide a range of alternatives. Concerned with	Section 6.0, Alternatives	

Individual, Group or Agency	Comment	EIR Section[1]	General Plan 2035[2]
Attorney at Law (on behalf of the Elsinore Murrieta Anza Resource Conservation District and Sierra Club	changes to the implementation of the MSHCP as well as maintaining connectivity of natural areas.		
	Include a climate action plan.	Section 5.5, Air Quality Section 5.6, Greenhouse Gas Emissions	X
	Do not just consider the "natural beauty" of natural areas but also their functionality for wildlife, wildlife corridors, and functional riparian areas. Discuss plans for recharge of aquifers and methods of preventing overdraft of existing aquifers.	Section 5.3, Aesthetics Section 5.10, Biological Resources Section 5.13, Hydrology, Drainage, and Water Quality.	
	Evaluate the health effects of diesel particulates.	Section 5.5, Air Quality	
	Evaluate policies designed to ensure that there will be adequate funding for development of transportation resources.	Not Applicable to EIR	X
	Provide policies to ensure noise emissions, including during construction, do not exceed thresholds.	Not Applicable to EIR	X
MaryAnn Shushan Miller, Murrieta Resident	Analysis of impacts for the MSHCP, RCA report on conservation, affordable housing.	Not Applicable to EIR	X
	Analysis of Los Alamos Hills Specific Plan	Not Applicable to EIR	X
Pechanga Cultural Resources	Must include involvement of and consultation with the Pechanga Tribe. Cultural resources should be evaluated in the DEIR.	Section 5.9, Cultural Resources	
Regional Conservation Authority (RCA)	City will need to ensure the DEIR is consistent with the MSHCP, including Reserve Assembly and special survey requirements. Land designations shown on Exhibit 2 of the General Plan 2035 Focus Areas included with the NOP should not conflict with the Reserve Assembly Goals of the MSHCP. City should be aware that Proposed Constrained Linkage 16 is located within areas designated as Professional and Office on Exhibit 2.	Section 5.9, Cultural Resources Section 5.10, Biological Resources	
Riverside County Flood Control and Water Conservation District	The DEIR should fully evaluate any potential impacts to proposed MDP facilities.	Section 5.8, Geology and Seismic Hazards Section 5.13, Hydrology, Drainage, and Water Quality.	
Riverside Transit Agency (RTA)	Allow bus stops the proper space for buses to board and align passengers.	Section 5.4, Traffic and Circulation	X
	Assure streets are constructed to accommodate buses.	Section 5.4, Traffic and Circulation	X
	Construct sidewalks that are ADA compliant.	Section 5.4, Traffic and Circulation	X
	Include installation of bus stop amenities at waiting locations such as shelters, benches, and trash receptacles.	Section 5.4, Traffic and Circulation	X
	Provide right-of-way for pedestrian connectivity for easy access to stops and mobility throughout.	Section 5.4, Traffic and Circulation	X
Robert Wheeler, Ph.D, Murrieta Resident	MSHCP process.	Not Applicable to EIR	X
	Water quality and supply concerns.	Section 5.13, Hydrology, Drainage, and Water Quality Section 5.15, Water Supply Section 5.16, Wastewater	
Santa Margarita Group/Sierra Club	Incorporate the recommendations made in the County City Arroyo Committee report of 2006 to ensure water quality and preservation of waterways.	Section 5.13, Hydrology, Drainage, and Water Quality Section 5.15, Water Supply Section 5.16, Wastewater	X
	City creates a comprehensive map of the City's watercourses that would include the owners, conservations efforts, and managers.	Not Applicable to EIR	X

Individual, Group or Agency	Comment	EIR Section[1]	General Plan 2035[2]
	City develops methods to steward and protect these stretches so that HOAs, landowners, groups, and youth can participate and become educated in preserving these watercourses.	Not Applicable to EIR	X
South Coast Air Quality Management District	Identify any potential adverse air quality impacts (construction and operations) that could occur from all phases of the project and all air pollutant sources related to the project. Quantify PM 2.5 emissions and compare the results to the recommended PM 2.5 significance thresholds. Analyze regional air quality impacts. Calculate localized air quality impacts and compare to results to LSTs. Perform a mobile source health risk assessment. Identify possible mitigation measures.	Section 5.5, Air Quality	
Southern California Association of Governments (SCAG)	The proposed project is regionally significant. Use a side-by-side comparison of all SCAG policies with a discussion of the consistency, non-consistency, or non-applicability of the policy and supportive analysis in table format. Use the SCAG List of Mitigation Measures extracted from the RTP.	Section 5.1, Land Use Section 5.2, Population, Employment, and Housing Section 5.4, Traffic and Circulation Section 5.5, Air Quality	
United States Department of the Interior Fish and Wildlife Service	The MSHCP Guidelines Pertaining to the Urban Wildlands Interface require that the quantity and quality of runoff discharged to the MSHCP Conservation Area not be altered in an adverse way when compared with existing conditions. DEIR to address any potential effects from land use changes under the proposed General Plan 2035 to the quantity and quality of surface water available to Warm Springs and Murrieta Creeks.	Section 5.1, Land Use Section 5.10, Biological Resources Section 5.13, Hydrology, Drainage, and Water Quality Section 5.15, Water Supply Section 5.16, Wastewater	

1 = The EIR section in which the analysis is provided.
2 = The comment is relevant for the General Plan 2035, not the General Plan 2035 EIR.

- The Draft EIR was distributed for public review and a Notice of Availability (NOA) and Notice of Completion (NOC) was filed with the State Clearinghouse on February 8, 2011, for a 45-day review period, which concluded on March 24, 2011.

- The City received a total of 19 comment letters from public agencies and the public. Additionally, verbal comments were received on the Draft EIR during the Planning Commission hearings of March 9, March 23, April 6, and May 11, 2011. The City prepared responses to all written comments. The comments and responses are contained in Section 12.0 of the Final EIR.

- In accordance with *Public Resources Code* Section 21092.5, the City provided written responses to public agencies that commented on the Draft EIR.

4.0 INDEPENDENT JUDGMENT AND FINDING

The City solicited proposals from independent consultants to prepare the Murrieta General Plan 2035 and EIR. Subsequently, the City selected and retained RBF Consulting (RBF) to prepare the General Plan 2035 and EIR. RBF prepared the EIR under the supervision and direction of the City of Murrieta staff. All findings set forth herein are based on substantial evidence in the record as indicated with respect to each specific finding.

FINDING:

The EIR for the project reflects the City's independent judgment. The City has exercised independent judgment in accordance with *Public Resources Code* Section 21082.1(c)(3) in retaining its own environmental consultant, and directing the consultant in the preparation of the EIR. The City has independently reviewed and analyzed the EIR and accompanying studies and finds that the report reflects the independent judgment of the City.

The City Council has considered all the evidence presented in its consideration of the project and the EIR, including, but not limited to, the Final EIR and its supporting studies, written and oral evidence presented at hearings on the project, and written evidence submitted to the City by individuals, organizations, regulatory agencies, and other entities. On the basis of such evidence the City Council finds that with respect to each environmental impact identified in the review process the impact (1) is less than significant and would not require mitigation; or (2) is potentially significant but would be avoided or reduced to a less than significant level by implementation of identified mitigation measures; or (3) would be significant and not fully mitigatible but would be, to the extent feasible, lessened by implementation of identified mitigation measures.

The EIR identifies certain significant adverse environmental effects of the project which cannot be avoided or substantially lessened. Prior to approving this project the City Council also adopts a Statement of Overriding Considerations which finds, based on specific reasons and substantial evidence in the record (as specified in Section 7.0), that certain identified economic, social, or other benefits of the project outweigh such unavoidable adverse environmental effects.

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5.0 ENVIRONMENTAL IMPACTS AND FINDINGS

5.1 EFFECTS DETERMINED TO BE LESS THAN SIGNIFICANT WITHOUT MITIGATION IN THE EIR

The Murrieta General Plan 2035 EIR found that the proposed project would result in less than significant impacts without mitigation on a number of environmental topic areas. Therefore, a less than significant environmental impact determination was made for each of the topic areas listed below. A detailed analysis of the topic areas is provided within the Final EIR.

FINDING:

The City Council finds that based on substantial evidence in the record, the following impacts, to the extent they result from the project, will be less than significant.

LAND USE

Implementation of the proposed General Plan 2035 could disrupt or physically divide an established community.

Implementation of the proposed General Plan 2035 could result in potential inconsistency impacts with Federal and State regulations.

The proposed General Plan 2035 could result in inconsistencies with the goals of the Southern California Association of Government's Regional Comprehensive Plan, 2008 Regional Transportation Plan and the principles and strategies of the compass Growth Visioning Program.

The proposed General Plan 2035 could result in inconsistencies with the Western Riverside County Multiple Species Habitat Conservation Plan.

Implementation of the proposed General Plan 2035 could result in potential inconsistency impacts with local plans and policies.

Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable land use impacts.

POPULATION, EMPLOYMENT, AND HOUSING

Implementation of the proposed General Plan 2035 could induce population growth in the City by allowing new homes and businesses.

Implementation of the proposed General Plan 2035 could displace existing housing or persons, necessitating the construction of replacement housing.

Development associated with implementation of the proposed General Plan 2035 and cumulative development could induce population growth in the Western Riverside Council of Government's SCAG subregion.

AESTHETICS

Implementation of the proposed General Plan 2035 could have an adverse effect on a scenic vista.

Implementation of the proposed General Plan 2035 could damage scenic resources within a State scenic highway.

Future development associated with implementation of the proposed General Plan 2035 could permanently degrade the visual character of the respective development site and its immediate surroundings.

Future development associated with implementation of the proposed General Plan 2035 could create new sources of light/glare that could adversely affect views in the area.

Future development associated with implementation of the proposed General Plan 2035 could create shade and shadows that could adversely affect adjacent land uses.

TRAFFIC

Implementation of the proposed General Plan 2035 could result in conflicts with the Riverside County Congestion Management Program.

Implementation of the proposed General Plan 2035 could result in inadequate design features or incompatible uses.

Implementation of the proposed General Plan 2035 could result in inadequate emergency access.

Implementation of the proposed General Plan 2035 could conflict with the performance of existing and/or planned transit systems serving the area and/or conflict with adopted transit, bicycle, or pedestrian policies, plans, or programs.

AIR QUALITY

Implementation of the proposed General Plan 2035 could result in an overall increase in odors within the City.

Implementation of the proposed General Plan 2035 could result in an overall increase in carbon monoxide hotspot emissions within the City, which could exceed South Coast Air Quality Management District air quality standards.

The proposed General Plan 2035 may conflict with or hinder implementation of the Southern California Association of Government's Regional Comprehensive Plan Guidelines and the South Coast Air Quality Management District's Air Quality Management Plan.

Regional air quality emissions resulting from operational buildout (localized air quality and cumulative odor emissions) of the proposed General Plan 2035 could impact regional air quality levels on a cumulatively considerable basis.

GREENHOUSE GASES

Greenhouse Gas emissions generated by development associated with implementation of the proposed General Plan 2035 could have a significant impact on the environment.

Implementation of the proposed General Plan 2035 could conflict with an applicable Greenhouse Gas reduction plan, policy, or regulation.

Greenhouse Gas emissions resulting from development associated with implementation of the proposed General Plan 2035 and cumulative development could impact Greenhouse Gas emissions on a cumulatively considerable basis.

NOISE

Construction-related activities associated with implementation of the proposed General Plan 2035 could generate noise levels in excess of established standards.

GEOLOGY AND SEISMIC HAZARDS

Implementation of the proposed General Plan 2035 could result in impacts related to soil erosion or loss of topsoil.

BIOLOGICAL RESOURCES

Implementation of the proposed General Plan 2035 could have an adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species.

Implementation of the proposed General Plan 2035 could have an adverse effect on any riparian habitat or federally protected wetlands.

Implementation of the proposed General Plan 2035 could interfere with migratory birds or an established wildlife corridor.

Implementation of the proposed General Plan 2035 could conflict with a local policy or ordinance protecting biological resources.

Implementation of the proposed General Plan 2035 could conflict with the provisions of the Western Riverside County MSHCP.

Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts to biological resources.

AGRICULTURAL RESOURCES

Implementation of the proposed General Plan 2035 could result in conversion of Farmland to non-agricultural use, including land shown on the 2008 Farmland Mapping and Monitoring Program, as Unique Farmland.

Implementation of the proposed General Plan 2035 could conflict with existing zoning for agricultural uses, or a Williamson Act contract.

Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to agricultural resources.

MINERAL RESOURCES

Implementation of the proposed General Plan 2035 could result in impacts to mineral resources not yet identified.

Implementation of the proposed General Plan 2035 could result in impacts to mineral resource recovery sites.

Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to unknown mineral resources.

HYDROLOGY, DRAINAGE, AND WATER QUALITY

Development associated with implementation of the proposed General Plan 2035 could deplete groundwater supplies.

Development associated with implementation of the proposed General Plan 2035 could result in alteration of drainage patterns of the site or area, including alteration of a stream or river, resulting in substantial erosion, flooding, or significant risk of loss.

Future development associated with implementation of the proposed General Plan 2035 could result in urban uses being located in dam inundation areas of the City.

Development associated with implementation of the proposed General Plan 2035 could result in impacts related to a 100-year flood event.

Development associated with implementation of the proposed General Plan 2035 could result in project inundation by seiche, tsunami, or mudflow.

HAZARDS AND HAZARDOUS MATERIALS

Future development associated with implementation of the General Plan 2035 could result in interference with an adopted emergency response or evacuation plan.

WATER SUPPLY

Implementation of the proposed General Plan 2035 could result in increased demand for water supplies and infrastructure within the City.

Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to water resources including increased demand for water supplies and infrastructure.

FIRE PROTECTION

Buildout of the City in accordance with the proposed General Plan 2035 could result in the need for additional fire facilities or personnel.

Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts to fire protection personnel, services, and facilities.

POLICE PROTECTION

Buildout of the City in accordance with the proposed General Plan 2035 could result in the need for additional police facilities or personnel.

Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts to police protection personnel, services, and facilities.

SOLID WASTE

Implementation of the proposed General Plan 2035 could result in demands on local landfills in exceedance of capacity current capacity constraints.

Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts related to solid waste disposal services and landfill disposal capacity.

ELECTRICITY AND NATURAL GAS

Implementation of the proposed General Plan 2035 could result in increased demand for electricity provided within the City.

Implementation of the proposed General Plan 2035 could result in increased demand for natural gas provided within the City.

Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to electrical and/or natural gas services and facilities.

5.2 EFFECTS DETERMINED TO BE MITIGATED TO LESS THAN SIGNIFICANT LEVELS

The City of Murrieta having reviewed and considered the information contained in the Final EIR, the Technical Appendices and the administrative record, finds, pursuant to *Public Resources Code* 21081(a)(1) and *CEQA Guidelines* 15091(a)(1) that changes or alterations have been required in, or incorporated into, the proposed project, which would avoid or substantially lessen to below a level of significance the following potentially significant environmental effects identified in the Final EIR in the following categories:

- Land Use (Riverside County Airport Land Use Compatibility Plan)
- Aesthetics (short-term visual character and cumulative)
- Air Quality (cumulative operational conditions)
- Noise (short-term construction, operational, and cumulative short-term construction)
- Geology and Seismic Hazards (fault rupture and seismic groundshaking, ground failure, soil, and cumulative)
- Cultural Resources (historic and archaeological resources, burial sites, paleontological resources, and cumulative)
- Hydrology, Drainage, and Water Quality (water quality, drainage system capacity, and cumulative)
- Hazards and Hazardous Materials (hazardous materials use, generation, transport, or disposal, accidental release of hazardous materials, hazardous materials sites, airport hazards, and cumulative)
- Wastewater (wastewater services and infrastructure and cumulative)
- Fire (wildland fire hazards)
- Schools (school facilities and cumulative)

The potentially significant adverse environmental impacts that can be mitigated are listed below. The City of Murrieta finds that these potentially significant adverse impacts can be mitigated to a level that is considered less than significant after implementation of mitigation measures identified in the Final EIR.

LAND USE

County of Riverside. The proposed General Plan 2035 could result in inconsistencies with the Riverside County Airport Land Use Compatibility Plan.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential inconsistency impacts associated with the Riverside County Airport Land Use Compatibility Plan have been eliminated or substantially lessened to a level of less than significant by changes or alterations that have been incorporated into the project. Specifically, the following changes have been incorporated into the project:

- The Large Lot land use designation has been modified to accommodate the lower density of 0.1 dwelling units per acre;
- A policy has been included in the General Plan 2035 for properties designated as Large Lot Residential and Single-Family Residential in the General Plan that are located within Compatibility Zones C and D to submit tentative tract maps and parcel maps to the Riverside County ALUC for consistency review;
- A policy has been included in the General Plan 2035 for proposed commercial developments and places of assembly within Compatibility Zones B1, C, and D to be submitted to the ALUC for consistency review; and
- A policy has been included to address the open space provisions as determined by the respective Compatibility Zone.

AESTHETICS

Visual Character – Short-Term. Construction activities for future development associated with implementation of the proposed General Plan 2035 could temporarily degrade the visual character of the respective development site and/or its immediate surroundings.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential impacts from short-term construction activities on visual character have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures:

AES-1 For future development located in or immediately adjacent to residentially zoned properties, construction documents shall include language that requires all construction contractors to strictly control the staging of construction equipment and the cleanliness of construction equipment stored or driven beyond the limits of the construction work area. Construction equipment shall be parked and staged within the project site, as distant from the residential use, as reasonably possible. Staging areas shall be screened from view from residential properties.

AES-2 Construction documents shall include language requiring that construction vehicles be kept clean and free of mud and dust prior to leaving the development site. Streets surrounding the development site shall be swept daily and maintained free of dirt and debris.

AES-3 Construction worker parking may be located off-site with prior approval by the City. On-street parking of construction worker vehicles on residential streets shall be prohibited.

Cumulative Aesthetics Impacts. Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable aesthetics, light, and glare impacts.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential cumulative aesthetics, light, and glare impacts associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures: Refer to Mitigation Measures AES-1 to AES-3.

NOISE

Short-Term Construction Noise. Construction-related activities associated with implementation of the proposed General Plan 2035 could generate or expose persons or structures to excessive groundborne vibration.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential construction vibration impacts associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures:

NOI-1 The City shall require future developments to implement the following measures to reduce the potential for human annoyance and architectural/structural damage resulting from elevated groundborne noise and vibration levels.

- Pile driving within a 50-foot radius of historic structures shall utilize alternative installation methods where possible (e.g., pile cushioning, jetting, predrilling, cast-in-place systems, resonance-free vibratory pile drivers).
- The preexisting condition of all designated historic buildings within a 50-foot radius of proposed construction activities shall be evaluated during a preconstruction survey. The preconstruction survey shall determine conditions that exist before construction begins for use in evaluating damage caused by construction activities. Fixtures and finishes within a 50-foot radius of construction activities susceptible to damage shall be documented (photographically and in writing) prior to construction. All damage shall be repaired back to its preexisting condition.
- Vibration monitoring shall be conducted prior to and during pile driving operations occurring within 100 feet of the historic structures. Every attempt shall be made to limit construction-generated vibration levels in accordance with Caltrans recommendations during pile driving and impact activities in the vicinity of the historic structures.

Long-Term Operational Noise. Future noise levels associated with implementation of the proposed General Plan 2035 could contribute to an exceedance of the City's noise standards resulting in potential noise impacts to sensitive receptors.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential mobile and stationary noise source impacts associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures:

NOI-2 Residential projects located within the 55 CNEL noise contour for the French Valley Airport shall be subject to review by the Riverside County Airport Land Use Commission and shall be required to ensure interior noise levels from aircraft operations are at or below 45 dB CNEL.

Cumulative Short-Term Construction Noise. Cumulative short-term construction noise associated with implementation of the proposed General Plan 2035 could result in cumulatively considerable impacts.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential short-term construction noise impacts associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures: Refer to Mitigation Measure NOI-1.

GEOLOGY AND SEISMIC HAZARDS

Fault Rupture and Seismic Groundshaking. Implementation of the proposed General Plan 2035 could expose people and structures to potentially substantial adverse effects involving fault rupture or strong seismic groundshaking.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential impacts involving fault rupture and groundshaking associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures:

GEO-1 Prior to issuance of a Grading Permit for each future development project, a registered geologist or soils engineer shall prepare an area-specific Geologic Study, which shall be submitted to the Public Works or Building and Safety Department for approval. The Geologic Study shall specify the measures necessary to mitigate impacts related to fault rupture, groundshaking, landslides, liquefaction or dynamic settling, expansive or collapsible soils, lateral spreading, and other geologic and seismic hazards, if any. All recommendations in the Geologic Study shall be implemented during area preparation, grading, and construction.

GEO-2 Prior to issuance of any Grading Permit, project applicants of future development projects shall comply with each of the recommendations detailed in the Geotechnical Study, and other such measure(s) as the City deems necessary to adequately mitigate potential seismic and geotechnical hazards.

Ground Failure. Implementation of the proposed General Plan 2035 could expose people and structures to potential substantial adverse effects from seismic-related or other types of ground failures.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential impacts involving seismic-related or other types of ground failures associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures: Refer to Mitigation Measures GEO-1 and GEO-2.

Soil. Future development resulting from implementation of the proposed General Plan 2035 could result in impacts related to expansive soils, soil strength, or the potential to support septic tanks or alternative waste water disposal systems.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential impacts involving soils associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures: Refer to Mitigation Measures GEO-1 and GEO-2.

Cumulative Geology and Seismic Hazards Impacts. Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts related to seismic, geologic, and soil conditions.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential cumulative geology and seismic hazards impacts associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures: Refer to Mitigation Measures GEO-1 and GEO-2.

CULTURAL RESOURCES

Historical and Archaeological Resources. Implementation of the proposed General Plan 2035 could impact historical and archaeological resources.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential impacts to historical and archaeological resources associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures:

CR-1 Future development projects shall continue to be evaluated for cultural resources by the City of Murrieta through review by the Eastern Information Center (EIC) and notification of and consultation with the local tribes for new entitlement projects. The projects shall be evaluated for compliance with the California Environmental Quality Act (CEQA) and where feasible, avoidance of cultural resources. If, following review by the EIC and/or tribal consultation, it is determined that there is a potential for impacts to cultural resources, further cultural resources analysis by a qualified professional(s), as defined in Mitigation Measure CR-2, may be required by the City.

CR-2 In the event that cultural resources (archaeological, historical, paleontological) resources are inadvertently unearthed during excavation and grading activities of any future development project, the contractor shall cease all earth-disturbing activities within a 100-foot radius of the area of discovery. If not already retained due to conditions present pursuant to Mitigation Measure CR-1, the project proponent shall retain a qualified professional (i.e., archaeologist, historian, architect, paleontologist, Native American Tribal monitor), subject to approval by the City of Murrieta to evaluate the significance of the find and appropriate course of action (refer to Mitigation Measures CR-1 and CR-3). If avoidance of the resources is not feasible, salvage operation requirements pursuant to Section 15064.5 of the CEQA Guidelines shall be followed. After the find has been appropriately avoided or mitigated, work in the area may resume.

Burial Sites. Implementation of the proposed General Plan 2035 could impact unmarked burial sites.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential impacts to burial sites associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures:

CR-3 In the event that human remains are unearthed during excavation and grading activities of any future development project, all activity shall cease immediately. Pursuant to State Health and Safety Code Section 7050.5, no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner shall within 24 hours notify the Native American Heritage Commission (NAHC). The NAHC shall then contact the most likely descendant of the deceased Native American, who shall serve as consultant on how to proceed with the remains.

Paleontological Resources. Implementation of the proposed General Plan 2035 could directly or indirectly impact a unique paleontological resource or site.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential impacts to paleontological resources associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures: Refer to Mitigation Measures CR-1 and CR-2.

Cumulative Cultural Resources Impacts. Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts to cultural resources.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential cumulative cultural resources impacts associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures: Refer to Mitigation Measures CR-1 through CR-3.

HYDROLOGY, DRAINAGE, AND WATER QUALITY

Water Quality. Implementation of the proposed General Plan 2035 could violate water quality standards and waste discharge requirements.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential impacts to water quality associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures:

HYD-1 Prior to issuance of any Grading or Building Permit, and as part of the future development's compliance with the NPDES requirements, a Notice of Intent shall be prepared and submitted to the San Diego RWQCB providing notification and intent to comply with the State of California General Construction Permit. Also, a Stormwater Pollution Prevention Plan (SWPPP) shall be reviewed and approved by the Director of Public Works and the City Engineer for water quality construction activities on-site. A copy of the SWPPP shall be available and implemented at the construction site at all times. The SWPPP shall outline the source control and/or treatment control BMPs to avoid or mitigate runoff pollutants at the construction site to the "maximum extent practicable." All recommendations in the Plan shall be implemented during area preparation, grading, and construction. The project applicant shall comply with each of the recommendations detailed in the Study, and other such measure(s) as the City deems necessary to mitigate potential stormwater runoff impacts.

HYD-2 Prior to issuance of any Grading Permit, future development projects shall prepare, to the satisfaction of the Director of Public Works and the City Engineer, a Water Quality Management Plan or Stormwater Mitigation Plan, which includes Best Management Practices (BMPs), in accordance with the Riverside County DAMP and the Murrieta WQMP. All recommendations in the Plan shall be implemented during post construction/operation phase. The project applicant shall comply with each of the recommendations detailed in the Study, and other such measure(s) as the City deems necessary to mitigate potential water quality impacts.

Drainage System Capacity. Development associated with implementation of the proposed General Plan 2035 could create or contribute to runoff water which could exceed the capacity of existing or planned storm water drainage systems for provide substantial additional sources of polluted runoff.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential impacts to drainage system capacity associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures: Refer to Mitigation Measures HYD-1 and HYD-2.

Cumulative Hydrology, Drainage, and Water Quality Impacts. Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts related to hydrology, drainage, and water quality.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential cumulative hydrology, drainage, and water quality impacts associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures: Refer to Mitigation Measures HYD-1 and HYD-2.

HAZARDS AND HAZARDOUS MATERIALS

Hazardous Materials Use, Generation, Transport, or Disposal. Future development in accordance with the proposed General Plan 2035 could result in an increased risk of upset associated with the routine use, generation, transport, or disposal of hazardous materials, which may potentially pose a health or safety hazard.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential hazardous materials use, generation, transport, or disposal impacts associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures: Refer to Mitigation Measures HHM-1 and HHM-2.

HHM-1 The Community Development Department, in cooperation with the Murrieta Fire Department and the Riverside County Community Health Agency, Materials Management Division, shall provide information to businesses on viable alternatives to hazardous materials. Create an informational pamphlet with existing hazardous material substitutions and retailers that sell the materials. Offer the information to applicable business owners who are required to file as a hazardous waste handler in the City.

HHM-2 The Community Development Department, in cooperation with the Murrieta Fire Department and the Riverside County Community Health Agency, Materials Management Division, provide information on viable alternatives to household hazardous materials on the City's website so households may use alternatives. Information will also educate the public to the health, safety, and environmental benefits of using non-hazardous substitutions.

Accidental Release of Hazardous Materials. Accidental release of hazardous materials used, stored, or transported in the City as a result of implementation of the proposed General Plan 2035 could result in a public health risk.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential accidental release of hazardous materials impacts associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures: Refer to Mitigation Measures HHM-1 and HHM-2.

HHM-3 Prior to development approval on a project-by-project basis, the project applicant shall confirm the presence or absence of hazardous materials pertaining to the release of hazardous materials into the soil, surface water, and/or groundwater. If necessary, development shall undergo site characterization and remediation on a project-by-project basis, per applicable Federal, State, and/or local standards and guidelines set by the applicable regulatory agency.

Hazardous Materials Sites. Future development associated with implementation of the proposed General Plan 2035 could impact hazardous material sites listed on Government Code Section 65962.5 and create a significant hazard to the public or the environment.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential impacts of listed hazardous material sites associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures: Refer to Mitigation Measures HHM-1 through HHM-3.

Airport Hazards. New structures built within the vicinity of the local airport or private airstrip could result in a safety hazard for people residing or working within the area.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential airport hazards impacts associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures:

HHM-4 The project applicant shall comply with the requirements of the Federal Aviation Administration (FAA) should any portions of the development be within a height overlay review zone or encroach within an imaginary surface surrounding the French Valley Airport. A Notice of Proposed Construction or Alteration (Form 7460-1) may be required by the FAA in accordance with Federal Aviation Regulations Part 77.

Cumulative Hazards and Hazardous Materials Impacts. Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts to public health and safety.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential cumulative impacts to public health and safety associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures: Refer to Mitigation Measures HHM-1 through HHM-4.

WASTEWATER

Wastewater Services and Infrastructure. Implementation of the proposed General Plan 2035 could result in increased demand for wastewater services and infrastructure.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential impacts to wastewater services and infrastructure associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures:

WW-1 Prior to issuance of a wastewater permit for any future development project, the Project Applicant shall pay applicable connection and/or user fees to RCWD, EVMWD, WMWD, or EMWD.

WW-2 Prior to issuance of a building permit for any future development project, the Project Applicant shall prepare an engineering study to support the adequacy of the sewer systems and submit the engineering study to the City for review and approval. Any improvements recommended in the engineering study shall be installed prior to the certificate of occupancy for the development project.

WW-3 Prior to issuance of a building permit for any future development project, the Project Applicant shall provide evidence that the RCWD, EVMWD, WMWD, or EMWD has sufficient wastewater transmission and treatment plant capacity to accept sewage flows from buildings for which building permits are being requested.

Cumulative Wastewater Impacts. Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to wastewater systems due to increased demand and creating the need for additional facilities.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential cumulative impacts to wastewater services and infrastructure associated with implementation of the proposed General Plan 2035 have been eliminated or substantially

lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures: Refer to Mitigation Measures WW-1 through WW-3.

FIRE PROTECTION

Wildland Fire Hazards. Buildout of the City in accordance with the proposed General Plan 2035 could increase the number of homes or businesses susceptible to wildland fire hazards.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential wildland fire hazard impacts associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures:

FP-1 The Murrieta Fire Department shall review future development projects to determine if a Fuel Modification Plan is required. If required, project applicants shall prepare the Fuel Modification Plan in accordance with Fire Department requirements prior to the issuance of a grading or building permit.

FP-2 Brush clearance shall be conducted prior to initiation of construction activities in accordance with Murrieta Fire Department requirements.

FP-3 Adequate access to all buildings on the project site shall be provided for emergency vehicles during the building construction process.

FP-4 Adequate water availability shall be provided to service construction activities.

SCHOOL FACILITIES

School Facilities. Buildout of the City in accordance with the proposed General Plan 2035 could result in adverse physical impacts to facilities within the Murrieta Valley Unified School District, Menifee Unified School District, Perris Unified School District, and Hemet Unified School.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential impacts to school facilities associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the mitigation measures identified in the EIR.

Mitigation Measures:

SCH-1 Prior to the issuance of certificate of occupancy, individual project applicants shall submit evidence to the City of Murrieta that legally required school impact mitigation fees have been paid per the mitigation established by the applicable school district.

Cumulative School Facilities Impacts. Development associated with implementation of the proposed General Plan 2035 and other cumulative development could result in cumulatively considerable impacts to school facilities.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project, which avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. The effects identified in the EIR have been determined not to be significant.

Facts in Support of Findings:

The potential cumulative impacts to school facilities associated with implementation of the proposed General Plan 2035 have been eliminated or substantially lessened to a level of less than significant by virtue of the rnitigation measures identified in the EIR.

Mitigation Measures: Refer to Mitigation Measure SCH-1.

5.3 ENVIRONMENTAL EFFECTS WHICH REMAIN SIGNIFICANT AND UNAVOIDABLE AFTER MITIGATION AND FINDINGS

The City of Murrieta, having reviewed and considered the information contained in the Final EIR, Technical Appendices and the administrative record, finds, pursuant to *Public Resources Code* 21081(a)(3) and *CEQA Guidelines* 15091(a)(3), that specific economic, legal, social, technological, or other considerations, make infeasible the mitigation measures or project alternatives identified in the Final EIR and, therefore, the project would cause significant unavoidable impacts in the categories of:

- Traffic and Circulation (Roadway Segments, Intersections, and Cumulative Roadway Segments and Intersections)
- Air Quality (Short-Term Construction Emissions, Long-Term Mobile and Stationary Source Emissions, Cumulative Short-Term Construction Emissions Impacts, Cumulative Long-Term Mobile and Stationary Source Emissions)
- Noise (Cumulative Long-Term Mobile and Stationary Source Emissions)

- Parks and Recreation Facilities (Project and Cumulative Parks and Recreational Facilities)

TRAFFIC AND CIRCULATION

Proposed General Plan 2035 Traffic Operations. Implementation of the proposed General Plan 2035 could conflict with an applicable plan, ordinance, or policy establishing measures of effectiveness for intersections.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project that avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. Impacts associated with General Plan 2035 traffic operations have been reduced to the extent feasible. The analysis determined that with implementation of the General Plan 2035 several intersections would continue to operate at levels of service that would not meet the City's standards, resulting in a significant impact. Opportunities to improve levels of service at each of the deficient intersections were considered. Mitigation was determined infeasible at several intersection locations as a result of the built environment and right-of-way constraints that occurred at the intersection. Where feasible, traffic operation impacts were reduced to a less than significant level with implementation of mitigation. However, after implementation of the General Plan 2035 goals and policies, and mitigation measures contained in the EIR, the impacts would constitute a significant and unavoidable impact.

Facts in Support of Findings:

Potential impacts to the roadway system are analyzed on pages 5.4-55 through 5.4-93 of the Draft EIR. Under the proposed General Plan 2035 buildout conditions, the following 18 intersections would operate at levels of service that do not meet the City's standards of acceptability.

- Intersection 1: Menifee Road / Scott Road
- Intersection 3: Winchester Road – SR-79 / Scott Road
- Intersection 4: Antelope Road / Keller Road
- Intersection 9: Antelope Road / Golden City Drive – Baxter Road
- Intersection 10: Whitewood – Meadowlark / Golden City Drive – Baxter Road
- Intersection 18: California Oaks Road / Clinton Keith Road
- Intersection 20: I-215 NB Off-Ramp / Clinton Keith Road
- Intersection 22: Meadowlark – Whitewood Road / Clinton Keith Road
- Intersection 25: Winchester Road – SR-79 / Clinton Keith Road – Benton Road
- Intersection 28: Jefferson Avenue / Murrieta Hot Springs Road
- Intersection 29: Madison Avenue / Murrieta Hot Springs Road
- Intersection 44: Jefferson Avenue / Kalmia Street
- Intersection 52: Winchester Road (SR-79) / Murrieta Hot Springs Road
- Intersection 53: Hancock Avenue / Los Alamos Road
- Intersection 54: I-215 SB Ramps / Los Alamos Road
- Intersection 57: Whitewood Road / Murrieta Hot Springs Road

- Intersection 59: Nutmeg Street / Clinton Keith Road
- Intersection 60: Mitchell Road / Clinton Keith Road

Additionally, there are several roadways segments throughout the City that are projected to not meet the City's performance standards under the proposed General Plan 2035 buildout conditions (LOS D, E, or F), and thus result in a significant unavoidable impact. These roadway segments are illustrated on Exhibit 5.4-14 of the Draft EIR.

With implementation of the enhanced geometrics, the following 16 intersections would continue to operate at levels of service that do not meet the City's standards, and thus result in a significant unavoidable significant impact:

- Intersection 1: Menifee Rd / Scott Rd
- Intersection 3: Winchester Road – SR-79 / Scott Road
- Intersection 4: Antelope Road / Keller Road
- Intersection 9: Antelope Road / Golden City Drive – Baxter Road
- Intersection 10: Whitewood – Meadowlark / Golden City Dr – Baxter Road
- Intersection 18: California Oaks Road / Clinton Keith Road
- Intersection 20: I-215 NB Off-Ramp / Clinton Keith Road
- Intersection 22: Meadowlark – Whitewood Road / Clinton Keith Road
- Intersection 25: Winchester Road – SR-79 / Clinton Keith Road – Benton Road
- Intersection 28: Jefferson Avenue / Murrieta Hot Springs Road
- Intersection 44: Jefferson Avenue / Kalmia St
- Intersection 52: Winchester Road (SR-79) / Murrieta Hot Springs Road
- Intersection 53: Hancock Avenue / Los Alamos Road
- Intersection 54: I-215 SB Ramps / Los Alamos Road
- Intersection 57: Whitewood Road / Murrieta Hot Springs Road
- Intersection 59: Nutmeg St / Clinton Keith Road

A number of roadway and intersection geometric enhancements and improvements would be needed to accommodate the traffic levels for the proposed General Plan 2035. In most cases, the improvements needed to achieve acceptable LOS would consist of additional turn lanes at critical intersections. In some cases however, additional through lanes at key intersections would be needed, indicating the potential need for an upgraded roadway classifications for the roadway segment approaches to those intersections.

Even with installation of the recommended improvements, implementation of the proposed General Plan 2035 would result in unacceptable levels of service on the roadway segments shown as LOS D in green, LOS E in yellow, and LOS F in red on Exhibit 5.4-14 of the Draft EIR. These impacts are considered significant and unavoidable.

Even with implementation of the enhanced geometrics, 16 intersections (Intersection 1, 3, 4, 9, 10, 18, 20, 22, 25, 28, 44, 52, 53, 54, 57, 59) are projected to operate at levels of service that do not meet the City's standards, and thus result in a significant and unavoidable impact. All other study intersections would operate at acceptable levels of service.

Cumulative Impacts. Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable traffic and circulation impacts.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project that avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. Cumulative traffic and circulation impacts associated with the General Plan 2035 have been reduced to the extent feasible. However, after implementation of the General Plan 2035 goals and policies, and mitigation measures contained in the EIR, the impacts would constitute a significant and unavoidable impact.

Facts in Support of Findings:

Cumulative traffic impacts are analyzed in terms of impacts within the City of Murrieta and impacts to the traffic system in neighboring communities. The Circulation Element of the proposed General Plan 2035 considers the impacts of traffic traveling through and within the City of Murrieta. Traffic volumes used were developed through the use of a travel demand model, which is specific to the City of Murrieta, and consistent with the RivTAM, and SCAG travel demand model. The development of the Murrieta Model is based on the Year 2008 RivTAM in TransCAD platform. The Murrieta Model covers all of the six counties in the SCAG region. New zone structure with 925 zones was designed to detail the Murrieta area and to aggregate a set of zones outside of the area. The model roadway network within the City and the Sphere of Influence was expanded to include roadways classified as Collector and above, as shown in the City of Murrieta General Plan Circulation Element.

The structure of the Murrieta Model is consistent with the RivTAM model to ensure the compatibility between the two models. Building on RivTAM also minimizes the time and effort needed to maintain and update the Murrieta Model as new elements of the RivTAM model are put into the model job stream. Specifically, the model consists of traditional four step modeling process including trip generation, trip distribution, mode split, and traffic assignment. Two model scenarios were included in the Murrieta Model, namely the base year 2009 and the forecast year 2035. Given the updated zone structure, corresponding modifications regarding the input data tables and matrices in the four steps were conducted for both of the model scenarios. The validation for base year 2009 was followed to ensure the results match with the both RivTAM model and traffic counts. The validated model was then used to forecast future volumes for the different scenarios. Peak hour turning model volumes were developed for study intersections using NCHRP methodology.

Development associated with buildout of the proposed General Plan 2035 would involve an increase in residential development and non-residential development. Increased development would result in study intersections operating at a deficient LOS based on the City's performance criteria. Eighteen intersections are projected to operate at levels of service that do not meet the City's standards. After enhanced geometrics are applied to the intersections under the recommended scenario, 16 intersections are projected to still operate at levels of service that do not meet the City's standards, and thus have a significant impact. Further, roadway segments would also operate at a deficient LOS, since they do not meet the City of Murrieta standards even with the implementation of the recommended intersection improvements. Therefore, buildout of the proposed General Plan 2035 would result in cumulatively considerable traffic and circulation impacts. Thus, a significant unavoidable impact would occur.

AIR QUALITY

Short-Term Construction Emissions. Citywide construction activities under the proposed General Plan 2035 could result in a considerable increase of criteria pollutants, and thus, could violate air quality standards.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project that avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. Short-term construction emission impacts associated with implementation of the General Plan 2035 have been reduced to the extent feasible. However, after implementation of the General Plan 2035 goals and policies, and mitigation measures contained in the EIR, the impacts would constitute a significant and unavoidable impact.

Facts in Support of Findings:

Implementation of the proposed General Plan 2035 would result in new emissions being generated from construction activities. The thresholds of significance recommended by the SCAQMD for construction emissions were developed for individual development projects. Construction-related emissions are described as short-term or temporary in duration and have the potential to represent a significant impact with respect to air quality. Implementation of the proposed General Plan 2035 is dependent on individual housing decisions, employment opportunities, provision of services for housing and supporting commercial uses, land use decisions by the City and other public agencies, regional transportation planning decisions, the decisions of financial institutions related to development projects, and other similar factors.

Buildout of the proposed General Plan 2035 would be reviewed in relation to residential uses, revenue-generating employment uses, housing affordability, provision and financing of infrastructure and public facilities, mechanisms for funding of ongoing service needs and overall coordination of improvements with future development projects. Subsequent implementation of future projects and plans would continue to define specific phasing at a detailed level and be reviewed by the City to ensure that development occurs in a logical manner consistent with policies in the proposed General Plan 2035, and that additional environmental review is conducted under *CEQA,* as needed.

Construction-related activities associated with implementation of the proposed General Plan 2035 would result in emissions of criteria air pollutants and precursors from site preparation (e.g., demolition, excavation, grading, and clearing); exhaust from off-road equipment, material delivery trucks, and worker commute vehicles; vehicle travel on roads; and other miscellaneous activities (e.g., building construction, asphalt paving, application of architectural coatings, and trenching for utility installation).

Construction activities occurring under the proposed General Plan 2035 could also generate airborne odors associated with the operation of construction vehicles (i.e., diesel exhaust) and the application of architectural coatings. However, these odors are not generally considered offensive. Emissions would occur during daytime hours only and would be isolated to the immediate vicinity of the construction site and activity. As such, these odors would not affect a substantial number of people and impacts would be limited to people living and working near the

source. Due to the types of odors that would occur in the City and limited exposure, implementation of the proposed General Plan 2035 would not create construction-related objectionable odors affecting a substantial number of people; thus, impacts would be less than significant in this regard.

Because the proposed General Plan 2035 identifies future land uses and does not contain specific development proposals, construction-related emissions that may occur at any one time are speculative and cannot be accurately determined at this stage of the planning process. Assuming relatively robust economic conditions over the next 20 to 25 years, construction activities would occur throughout the City, but the rate of development cannot be anticipated. Construction-related emissions could lead to the violation of an applicable air quality standard or contribute substantially to an existing or projected air quality violation.

The proposed General Plan 2035 Air Quality Element Goal AQ-3 addresses the reduction of emissions during construction activities. Policies AQ-3.1 through AQ-3.3 would require construction activities to adhere to SCAQMD regulations, ensure best management practices are implemented, and require construction equipment to comply with CARB vehicle standards. Additionally, Policy AQ-3.4 requires projects to prepare and implement Construction Management Plans, which shall include dust control measures, vehicle emission standards, among other emission-reducing control measures. These policies would require construction-related emissions for individual projects to be reduced to a level below daily emissions standards established by the SCAQMD. Goal AQ-7 would also reduce fugitive dust emissions throughout the City. Policies AQ-7.2 through AQ-7.4 would minimize fugitive dust from construction through collaborative efforts and would consider the suspension of all grading operations at project sites when the source represents a public nuisance or potential safety hazard. However, the proposed General Plan 2035 would facilitate future development and generate construction emissions that would potentially exceed SCAQMD thresholds. Thus, a significant unavoidable impact would occur.

Long-Term Mobile and Stationary Source Emissions. Implementation of the proposed General Plan 2035 could result in an overall increase in mobile and stationary source emissions within the city, which could exceed South Coast Air Quality Management District air quality standards.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project that avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. Long-term mobile and stationary source emissions impacts associated with implementation of the General Plan 2035 have been reduced to the extent feasible. However, after implementation of the General Plan 2035 goals and policies, and mitigation measures contained in the EIR, the impacts would constitute a significant and unavoidable impact.

Facts in Support of Findings:

The City's stationary source emissions primarily consist of industrial, residential, and commercial uses. Indirect sources consist of electricity usage including the energy usage associated with water consumption. Mobile source emissions are produced by each trip generating land use within the City (e.g., residential, schools, retail, office, industrial, etc.).

Goal AQ-1 of the proposed General Plan 2035 Air Quality Element would improve air quality within the City through participation in regional and local efforts. Policies AQ-1.1 through AQ-1.5 would achieve this goal by updating City regulations, working with local, regional, State, and Federal agencies (including SCAG), reviewing and updating City regulations and requirements based on new technology, helping implement SB 375, and providing public education on clean products. Additionally, Goal AQ-2 addresses land use and air quality relationships. Specifically, Policies AQ-2.1 through AQ-2.5 consider the location of sensitive receptors near pollution sources and freeways, and considering these impacts when making siting decisions, and consult the CARB handbook for siting sensitive uses at safe distances from polluters. Goal AQ-6 aims to minimize stationary source pollution. Policies AQ-6.1 through AQ-6.4 would ensure that industrial and commercial uses adhere to SCAQMD rules and regulations, encourage the use of new technology, and promote smart land use planning to ensure sensitive receptors are not subject to harmful emissions. Policies AQ-6.5 through AQ-6.7 would also ensure indoor air quality is improved for residential uses near high levels of pollution and would employ strategies to mitigate air quality impacts.

Mobile source emissions are based on trip generation and traffic data provided by Iteris, and encompass vehicular emissions for all trips captured or generated within the City limits. Proposed General Plan 2035 traffic forecasts were based on the proposed land use changes for the Focus Areas (areas of land use and policy change in the proposed General Plan 2035), as well as other growth in the City outside of the Focus Areas. As previously noted, mobile source emissions are the largest emissions source in the City. The goals and policies identified within the proposed General Plan 2035 would reduce mobile source emissions. Goal AQ-4 and Policies AQ-4.1 through AQ-4.4 would reduce vehicle miles traveled (VMT) and associated mobile source emissions through job creation and the improvement of the jobs/housing balance within the City, as well as the encouragement of a mix of housing types located near job opportunities. Goal AQ-5 aims to improve air quality through an efficient circulation system, reduced traffic congestion, and reduced VMT. Policy AQ-5.1 encourages employers to implement transportation demand management (TDM) measures (i.e., transit subsidies, bicycle facilities, telecommuting, etc.). Policies CIR-5.9 through CIR-5.12, and CIR-6.1 through CIR-6.12 of the proposed General Plan 2035 Circulation Element promote mass transit, high-speed rail, and non-motorized transit facilities. Policies AQ-5.4 through AQ-5.7 encourage the reduction of air emissions through the use of low emission technology, trip reduction plans, and reduced emission equipment and vehicles. Circulation and Land Use Element Policies CIR-1.4, LU-8.1 (Land Use Element), and LU-8.2 would improve signal coordination at major intersections, encourage mixed-use development, and promote non-motorized transportation options (i.e., bicycle and pedestrian).

The thresholds of significance that have been recommended by the SCAQMD were established for individual development projects and are based on the SCAQMD's New Source Review emissions standards for individual sources of new emissions, such as boilers and generators. They do not apply to cumulative development or multiple projects. Air quality impacts would be regional and not confined to the Murrieta City limits. The destinations of motor vehicles, which

are the primary contributors to air pollution, vary widely and cross many jurisdictional boundaries. As stated above, the proposed General Plan 2035 establishes the City's mobility goals by providing improved local and regional transit services as well as a connected, balanced, and integrated transportation system of bicycle and pedestrian networks. Such alternatives to automotive transportation can be greatly utilized to reduce mobile source emissions. Future site-specific development proposals would be evaluated for potential air emissions once development details have been determined and are available. Individual projects may not result in significant air quality emissions. Although individual development projects have the potential to exceed SCAQMD thresholds, the proposed General Plan 2035 goals and policies would reduce help to reduce the significance of impacts from these individual development projects.

Development projects allowed under the General Plan 2035 would increase regional ozone precursor pollutants over current conditions, specifically reactive organic compounds and nitrogen oxides. CEQA review of individual development projects would include an evaluation to determine whether potential air pollutant emissions generated from growth could result in a significant impact to air quality. The significance level of these impacts would be determined during review and appropriate mitigation measures would be developed. However, due to the magnitude of development and associated mobile and stationary source air quality impacts, impacts would be significant unavoidable in this regard.

Cumulative Impacts. Regional air quality emissions resulting from operational buildout of the proposed General Plan 2035 could impact regional air quality levels on a cumulatively considerable basis.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project that avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. Cumulative air quality impacts associated with implementation of the General Plan 2035 have been reduced to the extent feasible. However, after implementation of the General Plan 2035 goals and policies, and mitigation measures contained in the EIR, the impacts would constitute a significant and unavoidable impact.

Facts in Support of Findings:

The geographic context for air quality impacts for the City of Murrieta is SRA 26 (Temecula Valley) of the Basin. The analysis accounts for all anticipated cumulative growth within this geographic area. However, the significance of cumulative air quality impacts is typically determined according to the project methodology employed by the SCAQMD, as the regional body with authority in this area, which has taken regional growth projections into consideration.

Construction

SCAQMD thresholds for criteria pollutants are established for individual development projects, and it is assumed that some of the projects that would be implemented under the proposed General Plan 2035 could individually exceed the SCAQMD thresholds. Based on the programmatic-level construction analysis above, construction-related emissions associated with future development projects in the City, Sphere of Influence, and surrounding cities may be

"cumulatively considerable," even with implementation of the proposed General Plan 2035 goals and policies. Construction of future development projects under the proposed General Plan 2035 would be required to comply with the applicable SCAQMD rules and regulations. These measures call for the maintenance of construction equipment, the use of non-polluting and non-toxic building equipment, and minimizing fugitive dust. This cumulative impact is considered to be significant unavoidable.

Regional Air Quality Impacts

With regard to daily operational emissions and the cumulative net increase of any criteria pollutant for which the region is nonattainment, this is considered to be a potentially significant cumulative impact, due to nonattainment of O3 and PM_{10}, and $PM_{2.5}$ standards in the Basin. An emissions inventory for the City in year 2035 was presented in Table 5.5-6. This inventory includes the existing emissions within the City as well as emissions associated with the anticipated future development. As a result, Table 5.5-6 represents the cumulative condition within the City for 2035. With regard to the contribution of the proposed General Plan 2035, the SCAQMD has recommended methods to determine the cumulative significance of new land use projects. The SCAQMD's methods are based on performance standards and emission reduction targets necessary to attain Federal and State air quality standards as predicted in the 2007 AQMP. As previously discussed, the contribution of daily operational emissions from the growth associated with implementation of the proposed General Plan 2035 could be cumulatively considerable. This cumulative impact is considered to be significant unavoidable.

NOISE

Cumulative Long-Term Operational Impacts. Cumulative long-term operational noise associated with implementation of the proposed General Plan 2035 could result in cumulatively considerable impacts.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project that avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. Cumulative long-term operational noise impacts associated with implementation of the General Plan 2035 have been reduced to the extent feasible. However, after implementation of the General Plan 2035 goals and policies, and mitigation measures contained in the EIR, the impacts would constitute a significant and unavoidable impact.

Facts in Support of Findings:

Cumulative stationary noise sources would generally be less than significant with the implementation of the goal and policies in the proposed General Plan 2035. However, as traffic noise tends to dominate the noise environment within the City, the analysis below considers whether the increase in traffic noise would be noticeable and significant per the criteria outlined in Table 5.7-7 of the Draft EIR.

Mobile Sources

The proposed General Plan 2035 identifies the following five Focus Areas as areas of land use change:

- North Murrieta Business Corridor
- Clinton Keith/Mitchell
- Golden Triangle North (Central Murrieta)
- South Murrieta Business Corridor
- Multiple Use Area 3 (MU-3)

Although some growth is anticipated within the Historic Murrieta Specific Plan and Los Alamos Hills Focus Areas, no land use changes are included in proposed General Plan 2035. The change in traffic patterns is due to the redistribution of traffic on City streets associated with the change in land uses based upon the proposed General Plan 2035 Land Use Policy Map. Buildout of the proposed General Plan 2035 would generate an audible noise level increase along 30 roadway segments along Clinton Keith Road, Nutmeg Street, Kalmia Street, Ivy Street, Los Alamos Road, Murrieta Hot Springs Road, Guava Street, Hayes Avenue, and Jefferson Avenue, as well as along I-15 and I-215. These 30 roadway segments would create a potentially significant impact as defined in Table 5.7-7. Compliance and/or adherence to the proposed General Plan 2035 goals and policies would not reduce the generated audible noise levels to a less than significant level. Therefore, if the proposed General Plan 2035 buildout condition occurred, a significant unavoidable impact would occur in this regard.

PARKS AND RECREATIONAL FACILITIES

Parks and Recreational Facilities. Implementation of the proposed General Plan 2035 could result in impacts to the adequate availability of parkland, recreational facilities, and trails within the City.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project that avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. Impacts to parks and recreational facilities associated with implementation of the General Plan 2035 have been reduced to the extent feasible. However, after implementation of the General Plan 2035 goals and policies, and mitigation measures contained in the EIR, the impacts would constitute a significant and unavoidable impact.

Facts in Support of Findings:

In June 2009, the City of Murrieta had 467.24 acres of parkland in 48 City parks. The City has adopted a standard of 5 acres of parkland per 1,000 residents. Per the adopted standard, the City had a deficit of 34 acres in June 2009. Additional acreage is required in order to meet identified needs for recreation facilities, such as sports fields and courts. The Master Plan estimated a need for 240.3 acres at buildout, assuming a population of 120,000, to accommodate these facilities. The Master Plan noted that if the City continues to grow, upon buildout assuming the 120,000 population, a deficit of 133 acres would occur if no new park facilities or expansion of existing facilities is anticipated and planned.

The Master Plan identified 14 "opportunity sites" within the City Murrieta, totaling approximately 40-acres of additional parkland. These opportunity sites are planned facilities located throughout the City, and consist of planned sites, unplanned sites, and acquisition sites. Several "opportunity sites" are currently planned as developer-built parks.

The City has a joint use agreement in place with the Murrieta Valley Unified School District (MVUSD), which allows the City to use school facilities after school hours. Based on a preliminary calculation by RBF Consulting, it is anticipated that acreage from MVUSD facilities total 115.48 acres that can be utilized in evenings and on weekends.

Implementation of the proposed General Plan 2035 would introduce approximately 3,346 new dwelling units in the Focus Areas, along with buildout of existing undeveloped residential areas for a total of 10,734 dwelling units throughout the City, resulting in an approximate population increase of 10,038 persons for the Focus Areas and 32,199 persons citywide. This increase in population would create new demand on current recreational infrastructure including parks, facilities, and programs. The potential citywide population increase would require a total of 161 acres of parkland based on the City's adopted standard of 5 acres per 1,000 persons.

With the inclusion of the 115.48 acres of MVUSD facility open space, and the 40 acres of future opportunity sites, a total of 622.72 acres of parkland and open space would be available in the year 2035 for a population of 133,452. However, to meet the standard of 5 acres per 1,000 residents, a total of 667.26 acres would be needed in the year 2035; therefore, there would be a deficit of 44.54 acres of parkland.
It is anticipated that more parkland and facility areas would be available within the City, and as developments are built and constructed, developers or business owners would be subject to all provisions of the Quimby Act to set aside land or pay in-lieu fees to provide park and recreation facilities. The City charges a Parkland Facilities Development Impact Fee for residential units, as allowed by the Quimby Act (*California Government Code* Section 66477), which is used for park and recreational facility improvements.

The proposed General Plan 2035 includes goals regarding parks, trails and recreational facilities in the Recreation and Open Space and Circulation Elements, specifically Recreation and Open Space Goal ROS-1 to provide parkland within convenient distances from residential area and Goal ROS-3 regarding joint use agreements school districts. However, the goals and associated policies identified below encourage the City to provide parks, recreation facilities and programs, open space, and trails to meet the needs of its constituents. Although the City would adhere to these goals and policies and Quimby Act provisions, as well as utilize future parkland "opportunity sites," collect Parkland Facilities Development Impact fees, and utilize MVUSD school fields and facilities, the parkland acreage could still be at a deficit of 44.54 acres in 2035. It is anticipated that the City would strive to include new potential park sites to meet its goal of 5 acres per 1,000 residents; however, this impact is concluded to be significant unavoidable.

Cumulative Impacts. Development associated with implementation of the proposed General Plan 2035 and cumulative development could result in cumulatively considerable impacts to parks and recreational facilities.

Findings:

1. Changes or alterations have been required in, or incorporated into, the project that avoid or substantially lessen the significant environmental effect as identified in the EIR.

2. Cumulative parks and recreational facilities impacts associated with implementation of the General Plan 2035 have been reduced to the extent feasible. However, after implementation of the General Plan 2035 goals and policies, and mitigation measures contained in the EIR, the impacts would constitute a significant and unavoidable impact.

Facts in Support of Findings:

Development associated with the proposed General Plan 2035 would create additional demand on existing parks and recreational facilities within the City. Individual development projects would be reviewed to determine their potential impact on parks and recreational facilities within the City. Implementation of the proposed General Plan 2035 goals and policies would ensure the provision for new developments to mitigate impacts to parkland and recreational facilities. The City has a parkland standard of 5 acres per 1,000 residents. As of 2009, this standard was not being met, and in 2035, a deficit of at least 43.59 acres is anticipated. However, payment of park facilities fees and/or dedication of parkland by future developments would reduce potential park impacts. Additionally, the proposed General Plan 2035 includes goals and policies to take advantage of opportunities for new parkland, civic parks, and open space; pursue joint use agreements; and expand the City's trail network, which would further assist in reducing park impacts. However, with the City's existing parkland deficiency, future growth associated with the proposed General Plan 2035, and cumulative development, cumulative impacts would be considered significant unavoidable in this regard.

5.4 ALTERNATIVES TO THE PROPOSED PROJECT

The Draft EIR addresses the environmental effects of alternatives to the proposed project. A description of these alternatives, a comparison of their environmental impacts to the proposed project, and the City's findings are listed below. These alternatives are compared against the project relative to the identified project impacts, summarized in the sections above, to the project objectives, as stated in Section 3.3, Statement of Objectives, of the Draft EIR.

In making the following alternatives findings, the City of Murrieta certifies that it has independently reviewed and considered the information on alternatives provided in the Draft EIR, including the information provided in the comments on the Draft EIR and the responses thereto.

NO PROJECT/EXISTING GENERAL PLAN ALTERNATIVE

As required by *CEQA Guidelines* Section 15126.6 (e), the No Project/Existing General Plan Alternative describes buildout of the City of Murrieta in accordance with existing zoning and General Plan land use designations and policies of the current General Plan, which was

adopted in 1994 with amendments in 2006. This Alternative assumes that the existing General Plan would continue to provide outdated information regarding several issues, such as land uses, traffic conditions, community noise levels, air quality data, public services and utilities levels of service, and population, employment and housing. This Alternative assumes that ultimate buildout of the existing General Plan would occur. The No Project/Existing General Plan Alternative encompasses the same geographic area as that in the proposed General Plan 2035.

Findings:

1. The findings of the proposed project set forth in this document and the overriding social, economic, and other issues set forth in the Statement of Overriding Considerations provide support for the proposed project and the elimination of this alternative from further consideration.

Facts in Support of Findings:

As it is the intent of the proposed General Plan 2035 to provide new information based on current conditions within the City, the existing General Plan evaluated under the No Project/Existing General Plan Alternative would not serve the City as adequately as the proposed General Plan 2035. Overall, the No Project/Existing General Plan Alternative and the proposed General Plan 2035 would result in similar environmental impacts, with the exception of impacts related to land use, population, housing, and employment, aesthetics, air quality, greenhouse gas emissions, agricultural resources and hazards and hazardous materials, which would generate higher impacts and geology and seismic hazards, hydrology, drainage, and water quality, and hazards and hazardous materials, which would generate less impacts. The No Project/Existing General Plan Alternative would not reduce the severity of the significant unavoidable impacts associated with the proposed General Plan 2035. Thus, the No Project/Existing General Plan Alternative is not selected as the environmentally superior alternative to the proposed General Plan 2035.

The No Project/Existing General Plan Alternative would not meet the economic development priorities established by the City to the extent of the proposed General Plan 2035. The proposed General Plan 2035 focuses on economic development as a key priority in order to improve the jobs/housing balance, reduce vehicle miles traveled, improve air quality, and contribute to a healthy and sustainable community. To achieve this vision, the City seeks to encourage private sector investment in the creation of higher paying jobs, income, and wealth through economic diversification. The City is focusing its efforts to attract a variety of businesses and industries, higher educational institutions, and health care facilities. A full range of quality new development would be part of this effort, including retail centers, corporate/technology parks, hotels, and upscale restaurants, which would not be supported with this Alternative as compared to the proposed General Plan 2035. Buildout under the No Project/Existing General Plan Alternative would not provide opportunities for residents to live and work within the City to the extent of the proposed General Plan 2035. Thus, this Alternative would not achieve a housing balance that improves regional mobility (traffic), reduces vehicle miles traveled, and improves air quality to the extent of the proposed General Plan 2035. Further this Alternative would not provide updated development projections for the year 2035, nor provide a land use plan and policy direction that addresses future development and growth anticipated by the City and SCAG.

SCENARIO A ALTERNATIVE

The Scenario A Alternative assumes that the proposed General Plan 2035, including all goals and policies would be adopted; however, the land use plan within the Clinton Keith/Mitchell, North Murrieta Business Corridor, and Multiple Use Area 3 (MU-3) Focus Areas would provide for greater residential dwelling units and less non-residential square footage when compared to the proposed General Plan 2035 (refer to Draft EIR Exhibit 6-1, Scenario A Alternative). Citywide growth and anticipated growth within the remaining Focus Areas would be the same for both the Scenario A Alternative and the proposed General Plan 2035.

The anticipated growth over existing conditions within the Focus Areas with the Scenario A Alternative would be:

- 10,890 dwelling units; and
- 18,333,890 square feet of non-residential uses.

When compared to the proposed General Plan 2035, the Scenario A Alternative would result in the following within the Focus Areas:

- 7,544 more dwelling units; and
- 2,822,894 fewer square feet of non-residential uses.

Findings:

1. The findings of the proposed project set forth in this document and the overriding social, economic, and other issues set forth in the Statement of Overriding Considerations provide support for the proposed project and the elimination of this alternative from further consideration.

Facts in Support of Findings:

The Scenario A Alternative would meet the stated objectives of the General Plan 2035 and EIR, as the Scenario A Alternative would provide new and updated information based on current conditions and would provide updated goals and policies to direct future growth within the City. Although it would generally meet the growth objectives identified by the General Plan 2035, this Alternative would provide for greater residential development and less non-residential development. Therefore, the economic development objectives, including providing an improved jobs/housing ratio would not be achieved to the same extent as the General Plan 2035. The Scenario A Alternative would result in similar environmental impacts when compared to the proposed General Plan 2035 with the exception of population, housing, and employment and public services and utilities, which would be greater. The Scenario A Alternative would not reduce any of the significant unavoidable impacts identified for land use, traffic and circulation, air quality, noise, or parks and recreation facilities. Although both the Scenario A Alternative and General Plan 2035 would result in a significant and unavoidable impact to parks and recreational facilities, the deficiency would be greater under the Scenario A Alternative. However, since the Scenario A Alternative allows for greater non-residential development in support of the City's economic development goals and would meet the project objectives, Alternative A is selected as the environmentally superior alternative, as required by the *CEQA Guidelines*.

SCENARIO B ALTERNATIVE

The Scenario B Alternative assumes that the proposed General Plan 2035, including all goals and policies would be adopted; however, the land use plan within the Clinton Keith/Mitchell, North Murrieta Business Corridor, and Multiple Use 3 (MU-3) Focus Areas would provide for greater residential dwelling units and less non-residential square footage when compared to the proposed General Plan 2035 (refer to Exhibit 6-2, Scenario B Alternative). Citywide growth and anticipated growth within the remaining Focus Areas would be the same for both the Scenario B Alternative and the proposed General Plan 2035.

The anticipated growth over existing conditions within the Focus Areas with the Scenario B Alternative would be:

- 10,835 dwelling units; and
- 18,149,507 square feet of non-residential uses.

When compared to the proposed General Plan 2035, the Scenario B Alternative would result in the following within the Focus Areas:

- 7,489 more dwelling units; and
- 3,007,277 fewer square feet of non-residential uses.

Findings:

1. The findings of the proposed project set forth in this document and the overriding social, economic, and other issues set forth in the Statement of Overriding Considerations provide support for the proposed project and the elimination of this alternative from further consideration.

Facts in Support of Findings:

The Scenario B Alternative would meet the stated objectives of the General Plan 2035 and EIR, as the Scenario B Alternative would provide new and updated information based on current conditions and would provide updated goals and policies to direct future growth within the City. Although it would generally meet the growth objectives identified by the General Plan 2035, this Alternative would provide for greater residential development and less non-residential development. Therefore, the economic development objectives, including providing an improved jobs/housing ratio would not be achieved to the same extent as the General Plan 2035. The Scenario B Alternative would result in similar environmental impacts when compared to the proposed General Plan 2035 with the exception of population, housing, and employment and public services and utilities, which would be greater. The Scenario B Alternative would not reduce any of the significant unavoidable impacts identified for land use, traffic and circulation, air quality, noise, or parks and recreation facilities. Although both the Scenario B Alternative and General Plan 2035 would result in a significant and unavoidable impact to parks and recreational facilities, the deficiency would be greater under the Scenario B Alternative. The Scenario B Alternative is considered environmentally inferior to the proposed General Plan 2035, and is not selected as the environmentally superior alternative.

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6.0 CERTIFICATION OF THE FINAL EIR

The City Council declares that no new significant information as defined by the *CEQA Guidelines* Section 15088.5 has been received by the City Council after circulation of the EIR that would require recirculation.

The City Council certifies the Environmental Impact Report based on the following findings and conclusions.

6.1 FINDINGS

The project would have the potential for creating significant adverse impacts. These significant adverse environmental impacts have been identified in the EIR and will require mitigation as set forth in the Findings. Significant adverse impacts which cannot be mitigated to a level of insignificance after mitigation include traffic and circulation, air quality/global climate change, noise, and parks and recreation. As is noted, these significant unavoidable impacts occur under any alternative for the Project, including the "no project/existing general plan" alternative.

6.2 CONCLUSIONS

1. Except as to those impacts stated above relating to traffic and circulation, air quality/global climate change, noise, and parks and recreation, all other significant environmental impacts from the implementation of the proposed project have been identified in the EIR and, with implementation of the mitigation measures identified, will be mitigated to a less than significant level.

2. Alternatives to the proposed project, which could potentially achieve the basic objectives of the proposed project, have been considered and rejected in favor of the proposed project.

3. Environmental, economic, social, and other considerations and benefits derived from the development of the proposed project, as further discussed in Section 7.0, override and make infeasible any alternatives to the proposed project or further mitigation measures beyond those incorporated into the proposed project.

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7.0 STATEMENT OF OVERRIDING CONSIDERATIONS

7.1 INTRODUCTION

The *California Environmental Quality Act* (*CEQA*) and the *CEQA Guidelines* provide in part the following:

a) *CEQA* requires that the decision maker balance the benefits of a proposed project against its unavoidable environmental risks in determining whether to approve the project. If the benefits of the proposed project outweigh the unavoidable adverse environmental effects, the adverse environmental effects may be considered "acceptable."

b) Where the decision of the public agency allows the occurrence of significant effects that are identified in the EIR but are not mitigated, the agency must state in writing the reasons to support its action based on the EIR and/or other information in the record. This statement may be necessary if the agency also makes the finding under CEQA Guidelines Section 15091(a)(2) or (a)(3).

c) If an agency makes a statement of overriding considerations, the statement should be included in the record of the project approval and should be mentioned in the Notice of Determination (*CEQA Guidelines* Section 15093).

The City Council, having reviewed and considered the information contained in the EIR for the project, Responses to Comments and the public record, adopts the following Statement of Overriding Considerations that have been balanced against the unavoidable adverse impacts in reaching a decision on this project.

7.2 SIGNIFICANT UNAVOIDABLE IMPACTS

Although all potential project impacts have been substantially avoided or mitigated as described in the preceding findings, there is no complete mitigation for the following project impacts:

- Traffic and Circulation: Roadway Segment Operations
- Traffic and Circulation: Intersection Operations
- Traffic and Circulation: Cumulative Roadway Segment Operations
- Traffic and Circulation: Cumulative Intersection Operations
- Air Quality: Short-Term Construction Emissions
- Air Quality: Long-Term Mobile and Stationary Source Emissions
- Air Quality: Cumulative Short-Term Construction Emissions
- Air Quality: Cumulative Long-Term Mobile and Stationary Source Emissions
- Noise: Cumulative Long-Term Operational Noise

- Parks and Recreational Facilities: Parks and Recreational Facilities
- Parks and Recreational Facilities: Cumulative Parks and Recreational Facilities

Details of these significant unavoidable adverse impacts were discussed in the EIR and are summarized, or were otherwise provided in Section 5.3, Environmental Effects Which Remain Significant and Unavoidable After Mitigation and Findings, in the Statement of Facts and Findings.

7.3 OVERRIDING CONSIDERATIONS

To the extent that the significant effects of the project are not avoided or substantially lessened to below a level of significance, the City Council, having reviewed and considered the information contained in the EIR and the public record, and having balanced the benefits of the project against the unavoidable effects which remain, finds such unmitigated effects to be acceptable in view of the following overriding economic, social and other considerations:

1. The growth of the City of Murrieta has largely been driven by residential development. The 2035 General Plan emphasizes economic development and is based on the City's Comprehensive Development strategy which sets forth a 20 year vision that Murrieta will become the home of technogically advanced firms and higher educational facilities, including healthcare, medical facilities and services, software companies, engineering companies, medical device companies, biotechnology firms, defense contractors, research and development operations, green-tech, and light manufacturing. Through the implementation of this economic development strategy within the designated Focus Areas the economic development policies provide the critical link to support the Plan's goals and policies promoting sustainability and the development of healthy communities.

2. Implementation of the General Plan 2035 will help ensure orderly, integrated, and compatible development in response to existing conditions and ongoing local and regional trends.

3. The project will support the City's long-term economic viability and productivity through a managed growth plan as opposed to allowing piecemeal development for the benefit of short-term gain.

4. Achievement of the City's economic development goals will provide employment opportunities for highly trained workers in health care and related fields and will provide those opportunities locally, reducing traffic and air quality impacts, and improving the jobs/housing balance.

5. The project cornplies with State of California Planning Law by providing a "comprehensive, long-term general plan for the physical development" of the City (*Government Code* Section 65300) comprised of an "integrated, internally consistent, and compatible statement of policies" (*Government Code* Section 65300.5).

6. The General Plan 2035 establishes a clear connection between land use and the City's circulation system, providing opportunities for a multi-modal transportation system that supports regional goals to reduce vehicle miles traveled and improve air quality.

6. The General Plan 2035 supports economic development activities to encourage employment opportunities that serve the needs of the community and improve the jobs/housing balance.

7. The project provides a general framework for land use and infrastructure development over the next 20+ years, and has ensured that the two are appropriately correlated. Individual components of the project may be subject to additional environmental analyses and review, and if these individual projects are determined to be infeasible for either environmental, social and/or economic reasons, appropriate amendments can be made to the General Plan.

8. The project, being a General Plan, where CEQA requires subsequent discretionary project approvals before any physical change to natural habitat is permitted, will not have any significant adverse effect on fish and wildlife, or their habitat.

9. Implementation of the project will result in the reduction and elimination of existing and projected environmental impacts in the following areas:

   Land Use
   - Land Use Compatibility
   - Federal and State Land Use Plans, Policies, or Regulations
   - Regional/Multi-Jurisdictional Land Use Plans, Policies, or Regulations
     - Southern California Association of Governments
     - County of Riverside (Riverside County Airport Land Use Compatibility Plan and Western Riverside County Multiple Species Habitat Conservation Plan)
   - Local Plans and Policies
   - Cumulative Impacts

   Population, Employment, and Housing
   - Population Growth
   - Replacement Housing
   - Cumulative Impacts

   Aesthetics, Light, and Glare
   - Scenic Vistas
   - State Scenic Highway
   - Visual Character – Short-Term
   - Visual Character – Long-Term
   - Light and Glare
   - Shade and Shadows
   - Cumulative Impacts

   Traffic and Circulation
   - Congestion Management Program
   - Design Features or Incompatible Uses
   - Emergency Access
   - Pedestrian and Transit Facilities

Air Quality
- Odor Impacts
- Carbon Monoxide Hotspots
- Consistency with Regional Plans

Greenhouse Gas Emissions
- Greenhouse Gas Emissions
- Consistency with GHG Plans, Policies, or Regulations
- Cumulative Impacts

Noise
- Short-Term Construction Noise
- Long-Term Operational Noise
- Cumulative Short-Term Construction

Geology and Seismic Hazards
- Fault Rupture and Seismic Groundshaking
- Ground Failure
- Soil Erosion/Loss of Topsoil
- Soil
- Cumulative Impacts

Cultural Resources
- Historical and Archaeological Resources
- Burial Sites
- Paleontological Resources
- Cumulative Impacts

Biological Resources
- Special Status Species
- Sensitive Vegetation Communities
- Wildlife Movement Corridors
- Local Policy/Ordinance Consistency
- Western Riverside County MSHCP Consistency
- Cumulative Impacts

Agricultural Resources
- Conversion of Farmland to Non-Agricultural Use
- Zoning and Williamson Act Contracts
- Cumulative Impacts

Mineral Resources
- Mineral Resource Zones
- Mineral Resource Recovery Sites
- Cumulative Impacts

Hydrology, Drainage, and Water Quality
- Water Quality
- Groundwater Depletion
- Drainage System Capacity

- Drainage Patterns
- Flooding
- Dam Inundation
- Inundation by Seiche, Tsunami, or Mudflow
- Cumulative Impacts

Hazards and Hazardous Materials

- Hazardous Materials Use, Generation, Transport, or Disposal
- Accidental Release of Hazardous Materials
- Hazardous Materials Sites
- Airport Hazards
- Emergency Response
- Cumulative Impacts

Water Supply

- Water Supply and Distribution
- Cumulative Impacts

Wastewater

- Wastewater Services and Infrastructure
- Cumulative Impacts

Fire Protection

Fire Protection Services
Wildland Fire Hazards
Cumulative Impacts

Police Protection

- Police Facilities and Personnel
- Cumulative Impacts

School Facilities

- School Facilities
- Cumulative Impacts

Solid Waste

- Landfill Capacity
- Cumulative Impacts

Electricity and Natural Gas

- Electricity
- Natural Gas
- Cumulative Impacts

Although significant impacts will remain, the City of Murrieta will mitigate any significant adverse impacts to land use; traffic and circulation; air quality; noise; and parks and recreational facilities to the maximum extent practicable. In its decision to approve the project, the City Council of Murrieta finds that the project's benefits are substantial and override the unavoidable impacts.

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GENERAL PLAN ERRATA

ATTACHMENT 7

Errata for Final General Plan 2035

ACKNOWLEDGEMENTS PAGE

Planning Commission
Add Anthony Casadonte, Planning Commissioner

Historic Preservation Advisory Commission
Remove Francisco Hernandez, Commissioner

City Staff
Remove Mark Wright, Chief of Police
Add Matthew Shobert, Fire Chief
Revise Mike Baray, Chief of Police

CHAPTER 1
INTRODUCTION

CHAPTER 2
VISION

These two chapters will be reorganized as follows:

Chapter 1

1.1 Overview
1.2 About the General Plan
1.3 About Murrieta (previously 2.2 in Chapter 2)
1.4 General Plan Update Process and Community Input (previously 1.3)
1.5 Community Priorities (previously 2.4 in Chapter 2)

Chapter 2

2.1 Overview
2.2 Vision For The Future (previously 2.2, Part 2: New Direction)

CHAPTER 3
LAND USE ELEMENT

Page 3-15, fourth full paragraph
Portions of Murrieta are located within Compatibility Zones B1, C, D, and E, as well as the Height Review Overlay Zone (refer to *Exhibit 3-2*, *French Valley Airport Compatibility Zones*).

Page 3-29, first bullet point revision, addition of fifth bullet point

- Provide a mix of Multiple-Family Residential, Commercial, and Office and Research Park uses.
- Become an office and technology park employment center with some areas reserved for commercial uses.
- Provide office and research park uses in Central Murrieta north of the I-15 Freeway, east of Los Alamos Road, and generally west of Hancock Avenue to support the Rancho Springs Medical Center and complement the Crossroads Corporate Center.
- Provide shopping opportunities to support the employment uses in the Focus Area, as well as for the community.
- Eliminate the MU-1 general plan designation and redesignate those areas in the General Plan as Multiple-Family Residential, Office and Research Park, or Commercial.

Page 3-33, first full paragraph
The Office and Research Park uses will be primarily located west ~~south~~ of the I-15 Freeway, south ~~east~~ of Guava Street, east ~~north~~ of Madison Avenue, and north ~~west~~ of Elm Street. The building heights in this area could range in height up to a maximum of five to six stories.

Page 3-46, Los Alamos Hills
There is an interest by some of the property owners within the Los Alamos Hills area to develop a Specific Plan that would maintain the rural core of the Los Alamos community west of Warm Springs Creek, while providing certain needed local services. With a Specific Plan, property owners are looking to develop a land use plan that both reflects the rural character of the area, but provides for transitional land uses between the rural land uses and more intense development near Winchester Road. The existing open space, future development pattern, and circulation system established for the area is intended to maintain and preserve the majority of area as a picturesque area, whose topography and setting contribute to the rural agricultural enclave. The Specific Plan would identify the needs and providers of infrastructure.

Additional development anticipated under the General Plan 2035 includes 828 new residential units and an additional 157,453 square feet of commercial uses.

Section 3.5, beginning on page 3-49
The land use designation "Rural Residential" will be renamed to "Large Lot Residential." This change will be made throughout the Land Use Element and all other Elements.

Table 3-18, page 3-51
The Density Standard for Large Lot Residential (previously named Rural Residential) will be revised from 0.4 – 1.0 du/ac to 0.1 to 1.0 du/ac. This revision will be made throughout the Land Use Element and all other Elements.

Page 3-26, text under Vision subheading for Clinton Keith/Mitchell
VISION

The Clinton Keith/Mitchell Focus Area is intended to:

- Provide a mix of Large Lot ~~Rural~~, Single-Family and Multiple-Family Residential, Commercial, and Office and Research Park uses.
- Maintain large lot ~~rural~~ residential areas generally west of Duster Road.
- Provide a mix of Single-Family and Multiple-Family residential uses generally east of Mitchell Road and south of Linnel Lane.
- Provide shopping opportunities east of McElwain Road and west of the I-215 Freeway.
- Provide office and research park uses north of Linnel Lane and west of the I-215 Freeway.

The Single-Family and Multiple-Family Residential uses will provide a transition of residential densities from the large lot ~~rural~~ residential area generally east of Mitchell Road and south of Linnel Lane to the shopping and employment centers north of Linnel Lane and east of McElwain Road.

Page 3-56, Addition of policy
LU-1.10 Apply the following provisions when cases arise regarding the location of land use designation boundaries:

- Where land use designation boundaries follow street lines or other identifiable property or boundary lines, those lines shall be construed to be those of the land use designation boundary.
- Where land use designation boundaries are indicated within street lines or identifiable rights-of-way or creeks, the centerline there of shall be construed to be that of the land use designation boundary.

Page 3-64, addition of reference following Policy LU-14.6
(North Murrieta Business Corridor)
Refer to Policy LU-3.2 regarding buffering residential uses from incompatible uses.

Page 3-65, Policy LU-17.1
LU-17.1 Encourage the expansion of a job-creating center of office, research, technology, business park, and industrial activity within the area generally bounded by the I-15 freeway on the east ~~north~~, Cherry Street on the south ~~east~~, Washington Avenue on the west ~~south~~, and Brown Street on the north ~~west~~.

Page 3-71, Addition of policies

LU-25.10 Submit tentative tract maps and parcels maps to the Riverside County Airport Land Use Commission for consistency review. This is applicable to properties designated as Large Lot Residential and Single-Family Residential in the General Plan and that are located within Compatibility Zones C and D in the French Valley Airport Land Use Compatibility Plan.

LU-25.11 Submit commercial development and places of assembly to the Riverside County Airport Land Use Commission for consistency review with the applicable average and single-acre population intensity limits in the French Valley Airport Land Use Compatibility Plan for properties within Compatibility Zones B1, C, and D.

LU-25.12 Require new development that is 10 acres or larger in area shall incorporate open space area in compliance with the Riverside County Airport Land Use Compatibility Plan Section 4.2.4 and in compliance with the applicable compatibility zones requirements in the French Valley Airport Land Use Compatibility Plan.

Exhibit 3-2, French Valley Airport Compatibility Zones
Revisions to Legend

Zone A (Runway Protection Zone and Within Building Restriction Line)
Zone B1 (Inner Approach/Departure Zone)
Zone B2 (Adjacent to Runway)
Zone C (Extended Approach/Departure Zone)
Zone D (Primary Traffic Patterns and Runway Buffer Area)
Zone E (Other Airport Environs)

See Riverside County Airport Land Use Compatibility Policy Plan Chapter 2, Table 2A for compatibility criteria associated with this map. Table 2A lists the zones; locations; maximum densities/intensities for residential (dwelling unit/acre) and other uses (people/acre); required open land; prohibited uses; and other development conditions.

Source: Table 2A, Basic Compatibility Criteria, Riverside County Airport Land Use Compatibility Policy Plan, Riverside County Airport Land Use Commission, October 2007.

Exhibit 3-3, Redevelopment Project Areas
Revisions to Exhibit

Graphic will be revised to show areas within the Riverside County Redevelopment Agency Plan Area separately from those within the Murrieta Redevelopment Agency Plan Area.

CHAPTER 4
ECONOMIC DEVELOPMENT ELEMENT

Page 4-4, first and second bullet points

- **Regional Economic Growth.** The City has the potential to attract firms that offer relatively higher skilled and higher wage jobs due to its educated and skilled resident labor force, land use development opportunities, existing regional freeway accessibility, proximity to the French Valley Airport, and future transit development programs. Given that Murrieta has a significant share of residents with both higher education and higher skill levels, there is the potential for growth in the export-base industries, particularly within the manufacturing, research and development, professional, scientific and technical, information, medical, and finance and insurance sectors. There is also the potential for growth in the area of higher education, such as a four-year university in the City, as well as the industries that would benefit from proximity and access to higher educational institutions, which include the majority of industries cited in the previous sentence.
- **Office and Industrial Market Trends.** The City has the opportunity to capitalize on the growing lack of office space in North San Diego County and Orange County. As the Murrieta office market improves and evolves, it will attract a growing proportion of professional, medical, technical, and research employment, particularly in developments along major highway corridors and at the centrally located confluence of the I-15 and I-215 Freeways. Similarly, as the Murrieta industrial market improves, it will be well-positioned both geographically and demographically to attract a range of research and development (R&D) and light industrial users. The General Plan 2035 should create opportunities for flex-tech buildings and higher intensity office uses along freeway corridors.

Policy ED-1.2, page 4-5

ED-1.2 Encourage the development and integration of a mix of uses in a "main street" setting that includes retail anchored department stores, entertainment, hotel, office, retail, ~~and~~ residential, transit-oriented development and/or mixed uses that provide a regional draw.

Policy ED-4.8, page 4-8

ED-4.8 Encourage retail developments~~, particularly smaller projects,~~ to locate in areas where they can be most effective in terms of meeting the needs of local households and encourage mixed use, which can create neighborhood centers of activity.

Policy ED-5.4, page 4-8

ED-5.4 Encourage housing that is within economic reach of all income levels and ~~family~~ living styles inclusive of age-restricted housing, estate and ranch properties, single-family detached, single-family attached, town homes, condominium flats, and apartments.

Policy ED-9.1, page 4-10

ED-9.1 Coordinate implementation efforts with other economic development programs carried out by other implementation agencies including, but not limited to: ~~Murrieta Chamber of Commerce, Southwest California Economic Alliance, Temecula Chamber of Commerce, Southwest California Economic Development Corporation and Murrieta Redevelopment Agency.~~ Murrieta Redevelopment Agency, Murrieta Chamber of Commerce, Temecula Chamber of Commerce, Riverside County Economic Development Agency, Western Riverside County Council of Governments, San Diego Association of Governments, San Diego North Economic Development Council, San Diego Regional Economic Development Corporation, Southwest California Economic Alliance, and Southwest California Economic Development Corporation.

CHAPTER 5
CIRCULATION ELEMENT

Addition of a table showing Roadway Segments Volume-to-Capacity Ratios (V/C) and Levels of Service (LOS).

Addition of exhibit showing Roadway Classification Cross-Sections.

Table 5-7, pages 5-17 to 5-19
The column heading in Table 5-7 that reads "Project Impact (Exceeds LOS Standard)" will be revised to "Project Impact (Exceeds LOS Standard Before Enhancements."

Policy CIR-6.8, page 5-25
CIR-6.8 Support the construction of bus turnouts with shelters adjacent to new developments where transit demand levels may be sufficient in the future to warrant such accommodations <u>to maintain traffic flow and provide safe loading/unloading area for bus passengers</u>.

All Circulation Element Exhibits
Change to base of all Exhibits

Change from Via Princess (shown between Jackson Avenue and Murrieta Hot Springs Road) to Whitewood Road.

Exhibit 5-2, Truck Routes
Revisions to Exhibit

Revise title to Potential Truck Routes.

Add to Legend: Truck Routes are designated per Municipal Code Section 10.28.050.

Remove the following segments: 1) Murrieta Hot Springs Road between 1-215 and Winchester Road; 2) California Oaks north of I-15; 3) Adams Avenue between Guava Street and Cherry Street; 4) Madison Avenue between Kalmia Avenue and Murrieta Hot Springs Road; 5) Los Alamos Road between I-15 and I-215 and segment east of 1-215; and 6) portion of Monroe Avenue north of Elm Street.

Exhibit 5-10, General Plan 2035 Circulation Map
Revisions to Exhibit

Remove Los Alamos Road as a Circulation Plan roadway between Whitewood Road to Clinton Keith Road.

CHAPTER 6
INFRASTRUCTURE ELEMENT

Page 6-2, addition of new paragraph before the Wastewater Subheading
All four water districts have adopted Urban Water Management Plans (UWMP), the purpose of which is to review current and future water resources, and to establish and maintain water conservation programs for a 25-year planning horizon. At the time this General Plan was being prepared, the 2005 UWMPs reflected the most recently adopted plan, with a planning horizon from 2005 to 2030. However as of May 2011, all four districts are in the process of preparing their 2010 UWMP, with a planning horizon from 2010 to 2035.

Page 6-5, revise last sentence in second paragraph under Water Supply Subheading
The City will encourage ~~annexation~~ property owners to annex to water districts in these areas.

Policy INF-1.2, page 6-7
INF-1.2 Discourage development in areas without connections to ~~isolated from~~ existing infrastructure, unless infrastructure is being provided.

Policy INF-1.9, page 6-8
INF-1.9 Encourage the water districts to proactively manage their assets through the maintenance, improvement, and replacement of maintain, improve, and replace aging water and wastewater systems to ensure the provision of these services to all areas of the community.

Policy INF-1.15, page 6-8
INF-1.15 Continue to implement the City's residential informational and outreach program by providing homeowners with Best Management Practices (BMP) ~~to address high threat activities,~~ for activities such as, but not limited to:

- Disposal of fats, oils, and grease
- Disposal of garden waste
- Disposal of household hazardous waste
- Disposal of pet waste
- Garden care and maintenance
- Vehicular repair and maintenance
- Vehicular washing

Policy INF-2.5, page 6-10
INF-2.5 Coordinate with water districts to encourage innovative demonstrations of non-potable uses for recycled water and/or groundwater recharge in City facilities and industrial applications.

Page 6-10, addition of text before Capital Improvement Program Subheading
Refer to related goals and policies in the Conservation Element: Goal CSV-3 and Policies CSV-3.1 through CSV-3.5, and Goal CSV-4 and Policies CSV-4.1 through CSV-4.7 address storm water management and groundwater recharge.

Exhibit 6-1, Water District Service Area Boundaries
Revisions to Exhibit
Exhibit will be revised to reflect correct district boundaries as shown in the Draft EIR.

CHAPTER 7
HEALTHY COMMUNITY ELEMENT

Policy HC-6.1, page 7-12

HC-6.1 Encourage equitable distribution of healthy food retail and dining options in all ~~residential~~ commercial and employment areas of the City.

Policy HC-6.2, page 7-13

HC-6.2 Research and consider land use regulations to limit fast food outlet density ~~such as limits on chain, formula, or non-sit-down establishments~~.

CHAPTER 8
CONSERVATION ELEMENT

Page 8-7, text revision under Western Riverside Multiple Species Habitat Conservation Plan Subheading

Murrieta is a Permittee under the *Western Riverside Multiple Species Habitat Conservation Plan* (*MSHCP*), and as such, has existing conservation agreements and also sets aside land parcels within the City as Conservation Land to meet the land acquisition goals of the *MSHCP*. The conceptual conservation scenario for the MSHCP Reserve Area is based on existing public lands, undeveloped land (Core Areas), and identified potential Linkages between the Core Areas~~, illustrated in *Exhibit 8-3, MSHCP Existing and Proposed Conservation Land*~~.

Warm Springs Creek and Murrieta Creek are important natural features within the City that are protected for their biotic and aesthetic value; they offer wetland resources and allow for wildlife migration. These features are included in the MSHCP as potential Linkages between Core Areas.

For discussion and planning purposes, the Core Areas and Linkages are grouped into Area Plans and Subunits, as shown in *Exhibit 8-3~~4~~, MSHCP Area Plans and Subunits*. The *MSHCP* identifies the following Biological Issues and Considerations for the Subunits within the City and the Sphere of Influence:

Page 8-10, delete last sentence in first full paragraph

The City has a *Cultural Resource Preservation Ordinance* that provides *"a mechanism by which community resources such as buildings, structures and sites within the City of Murrieta, which are of pre-historic or historic interest or value, or which exhibit special elements of the City's architectural, cultural, or social heritage may be identified, protected, enhanced, perpetuated and used in the interest of the public's health, safety, welfare, and enrichment."* Under this ordinance, a natural or constructed feature may be designated as an individual resource, and a geographic area may be designated as an archeological district or a historic preservation district. ~~Designation of a historic preservation district is intended to be concurrent with the development of design guidelines for the district.~~

Page 8-10, text revision to second sentence under Historic Downtown Murrieta Subheading

The Historic Murrieta Specific Plan, adopted in 2000, provides a framework for the future enhancement and preservation of Historic Downtown Murrieta. The Specific Plan Area is bounded by Jefferson Avenue to the east ~~north~~; Ivy Street to the south ~~east~~; Hayes Avenue to the west ~~south~~; and Kalmia Street to the north ~~west~~.

Page 8-17, text revision to last sentence at top of page

Waste reduction and recycling efforts are thus proven tools to reduce greenhouse gas emissions along with material waste. They are also opportunities to raise awareness about environmental sustainability and the importance of changing behaviors. Murrieta seeks to continue the success of its efforts to divert waste from landfills. In anticipation of further requirements from the state related to AB 32, Murrieta should look to create a commercial recycling program that would promote recycling and diversion of solid waste from landfill by requiring businesses, nonresidential properties, and commercial buildings to source separate recyclable materials from all other solid waste for recycling and diversion from landfill and provide for the collection of recyclable materials.

Page 8-17, text revisions to second and third paragraph under Green Building Subheading

Municipalities are in the position to effect significant change in the adoption and success of green building practices, either by creating standards or incentivizing green building — for instance, by removing barriers within City codes or review processes. Murrieta intends to encourage the application of green building practices within the community that ~~by adopting legislation, and~~ will lead the way through the upgrade of municipal facilities.

Although the State of California incorporates a set of green building practices into its building standards code, the field of green building will continue to advance. Murrieta can stay abreast of current techniques and save more natural resources by encouraging green construction, where feasible, to go beyond state standards.

Policy CSV-8.1, page 8-21

CSV-8.1 ~~Continue to f~~Facilitate the conservation of habitat areas and wildlife corridors under the Western Riverside Multiple Species Habitat Conservation Plan.

Page 8-21, Addition of policy

CSV-8.7 Establish an implementation program to clarify procedures for implementation of the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP) Habitat Acquisition Negotiation Strategy (HANS) in the City and to provide incentives to facilitate conservation with the MSHCP while recognizing private property rights.

Policy CSV-9.9, page 8-22

CSV-9.9 Promote the use of native plant species in public landscaping of parks, schools, medians and planter strips, as well as in private development throughout the City.

Policy CSV-10.9, page 8-23, delete policy

~~CSV-10.8 Allow small-scale community-serving food processing facilities.~~

Policy CSV-12.3, page 8-24

CSV-12.3 ~~Encourage the~~ Support the on-site installation and use of renewable energy generation systems for residential, commercial, institutional, and industrial uses.

Policy CSV-12.5, page 8-25

CSV-12.5 ~~Allow~~ Consider non-commercial solar power generation in residential areas.

Policy CSV-12.6, page 8-25

CSV-12.6 Encourage new development projects and significant rehabilitation or expansion projects to incorporate innovative energy conservation or generation amenities such as electric vehicle charging stations, ~~and~~ solar canopies, and carports.

Policy CSV-14.2, page 8-26

CSV-14.2 ~~Integrate~~ Encourage the integration of other principles of green building into development standards and guidelines, looking for opportunities to realize other benefits such as improved health and increased bicycle transportation.

Exhibit 8-3, MSHCP Existing and Proposed Conservation Land

Delete exhibit

Exhibit 8-4, MSHCP Area Plans and Subunits

Renumber exhibit to Exhibit 8-3 and make all text edits in Conservation Element.

Exhibit 8-5, Important Farmland

Renumber exhibit to Exhibit 8-4 and make all text edits in Conservation Element.

Exhibit 8-6, Williamson Act Farmland (2006)

Renumber exhibit to Exhibit 8-5 and make all text edits in Conservation Element.

CHAPTER 9
RECREATION & OPEN SPACE ELEMENT

Overall comment for Element
Change reference throughout Element from *Master Plan* to *Parks Master Plan*.

Page 9-2, first paragraph under Parkland Subheading
At the time the *Parks Master Plan* was adopted in 2009, the City had ~~*The Master Plan counts*~~ 467.24 acres of parkland in 48 City parks. This total does not include joint use school facilities, some natural areas in Nature Parks, or private facilities. It includes six types of City Parks – City-Wide Parks, Community Parks, Neighborhood Parks, Neighborhood Play Areas, Special Use Parks, Native Parks – shown in *Exhibit 9-1, Parks*, and listed in *Table 9-1, Recreation Facilities Inventory*. *Table 9-1* reflects several ~~two~~ new parks and ~~some~~ facilities that have been added since the completion of the Master Plan, and which increase the City's parkland acreage total.

The following facilities have been added, are in the design phase, or constructed since adoption of the *Parks Master Plan* in 2009:

- Torrey Pines Park (8.80 acres) – Neighborhood Park
- Vineyards (10 acres) – Neighborhood Park
- Grizzly Ridge Park (0.44 acres) – Neighborhood Play Area
- Murrieta Equestrian Park (21.98 acres) – Special Use Park

Page 9-6, last sentence in paragraph under Community Event Space Subheading
Murrieta offers indoor and outdoor spaces for community events that are held by the City, residents, and organizations. Community members may reserve the Community Center, Town Square Park, and some Library facilities for events, as well as picnic shelters at several City parks. Community Center amenities are described above. Town Square Park provides space for community events in its amphitheater and large open turf area. The Library has a community room with adjacent garden that may be reserved for events. There is also an amphitheater at Antelope Hills Park~~, but parking is limited and there is no system for reservations~~.

Page 9-7, second and third paragraphs under Facility Needs Subheading
Facilities are planned that will help meet the needs for community centers, gymnasiums, and indoor basketball. Future ~~Phase 2~~ plans for Los Alamos Hills Sports Park call for a 20,000-square foot community center that may include a gymnasium and outdoor facilities, including a swimming pool and tennis courts. A teen center planned for California Oaks Sports Park may also include a gymnasium. ~~A recreation room is planned for Golden Cities Park.~~

~~Phases 2 and 3 of Los Alamos Hills Sports Park are expected to include outdoor sports facilities, including a swimming pool and tennis courts.~~

Page 9-7, first sentence in first paragraph under Recreation Programs Subheading

In fiscal year 2010 ~~2007~~, the Community Services Department served over 8,500 8,436 participants with its programs and activities; the number of participants served increased to 15,009 in fiscal year 2011. Senior programs drew the greatest number of participants, followed by gymnastics, aquatics, and dance. Other recreation offerings include sports, toddler, art and music, health and fitness, martial arts, camp, and teen programs. The City also holds a number of community events throughout the year, such as celebrations for major holidays.

Table 9-2, page 9-11

Change City Parcel #1 – MYSL Site to City Parcel #1 – Nutmeg Site under Planned Facilities, Not Designed

Policy ROS-2.4, page 9-14

ROS-2.4 Consider ~~Encourage~~ the installation of water fountains, toilets, and sinks in parks and recreation facilities.

CHAPTER 10
AIR QUALITY ELEMENT

Policy AQ-1.5, page 10-5

AQ-1.5 Provide public education and/or materials to educate and encourage residents and business owners to purchase/use low toxicity household cleaning products.

Policies AQ-5.5 through AQ-5.8, page 10-8

~~AQ-5.5 Encourage operators of major outdoor events to submit a trip reduction plan which applies to both patrons and employees during the course of the event.~~

AQ-5.5~~6~~ Provide a preference to contractors using reduced emission equipment for City construction projects as well as for City contracts for services (e.g., garbage collection).

AQ-5.6~~7~~ Manage the municipal vehicle fleet to achieve the highest possible number of fuel-efficient and low emissions vehicles commercially available.

AQ-5.7~~8~~ Reduce industrial truck idling by enforcing California's five (5) minute maximum law, requiring warehouse and distribution facilities to provide adequate on site truck parking, and requiring refrigerated warehouses to provide generators for refrigerated trucks.

Policy AQ-6.7, page 10-9

AQ-6.7 During the design review process, encourage the use of measures ~~Employ design strategies to mitigate~~ to reduce indoor air quality impacts (i.e., ~~such as~~ air filtration systems, ~~requiring~~ kitchen range top exhaust fans, and ~~using~~ low-VOC paint and carpet) for new developments near ~~stationary pollution sources or~~ busy roadways with significant volumes of heavy truck traffic.

CHAPTER 11
NOISE ELEMENT

Page 11-4, last sentence in third paragraph under the Sensitive Noise Receptors subheading

Land uses less sensitive to noise are business, commercial, and professional developments. Noise receptors categorized as being least sensitive to noise include industrial, manufacturing, utilities, agriculture, natural open space, undeveloped land, parking lots, motorcycle parks, rifle ranges, warehousing, liquid and solid waste facilities, salvage yards, and transit terminals. These types of land uses often generate high noise levels. Moderately sensitive land uses typically include: multi-family dwellings, hotels, motels, dormitories, and outpatient clinics. Current land uses located within the City that are sensitive to intrusive noise include residential uses (particularly those in the vicinity of I-15 and I-215 Freeways), schools, hospitals ~~(particularly the Golden Triangle Medical Center and Rancho Springs Medical Center)~~, churches, and parks.

Page 11-16, second to last sentence in the paragraph under the Airport Noise subheading

Off-road transportation noise is also generated by aircraft traffic from one nearby airport, the French Valley (Rancho California) Airport, located outside of the City's Sphere of Influence. Aircraft flyovers are heard occasionally in the City; however, the aircraft do not contribute a significant amount of noise heard in the City. The Riverside County Airport Land Use Commission has prepared a Comprehensive Land Use Plan for the French Valley Airport (CLUP), which experiences an average of 506 daily operations. The CLUP indicates that the 55 CNEL noise level contour extends slightly into the eastern part of the City along the westerly side of Winchester Road ~~is located outside of City boundaries~~. The CLUP also designates portions of the City as being located within Compatibility Zones B1, C, D, and E, all of which require certain land use restrictions.

Goal N-4, page 11-27

GOAL N-4	~~Mobile source emissions are reduced by providing a balance of jobs and housing that serve the needs of the community~~ Reduced noise levels from construction activities.

CHAPTER 12
SAFETY ELEMENT

Page 12-4, first complete paragraph on page
Before a project can be permitted within a fault zone, a site-specific geologic investigation must demonstrate that proposed buildings will not be constructed across an Alquist-Priolo Earthquake Fault Zone, County Fault Zone, or any other active or potentially active fault. Structures are required to be set back from active faults. The earthquake fault zones extend approximately 500 feet in width on either side of a major active fault trace and approximately 200 to 300 feet in width on either side of a well defined minor active fault, as designated by the State. Development of a building designated for human occupancy is generally restricted within 50 feet of an identified fault.

Page 12-8, second paragraph on page
There are a number of building criteria and site maintenance techniques available for the Murrieta Fire Department and property owners to use for areas within a High Fire Hazard Zone or areas described as Wildland Urban Interface areas, which are areas where structures and other human development meet and intermingle with undeveloped wildland or vegetative fuels. These techniques are detailed in the California Building Standards Code, Chapters 7 and 7A, and the California Fire Code, Chapter 47 *(California Code of Regulations, Title 24, Part 9)*, and address topics such noncombustible siding for buildings and 100-foot fuel modification (buffer) zones. ~~Techniques to prevent the spread of fire include fuel modification, livestock grazing, prescribed fires, and fuel breaks. The Murrieta Fire Department implements a Wood Abatement program to reduce wood and brush fire hazards. The program provides for property inspections and enforcement on properties that pose a potential fire hazard due to woods and brush. Conditions of development are currently required, such as Class A roofing, noncombustible siding and 100 foot fuel buffer zones, to protect communities from wildland/urban interface fires.~~ In addition, c~~C~~ommunity planning, awareness, and involvement are proven elements of effectively reducing the occurrence of wildland fires and damage associated with them.

Page 12-9, third paragraph and Table 12-1 under Fire Protection Subheading
The Fire Department has five stations located to optimize response times throughout the City of Murrieta, listed in *Table 12-1*, *Murrieta Fire Department Stations*, with a proposed sixth station in the eastern Sphere of Influence area (refer to *Exhibit 12-9, Fire Station Service Areas*).

Table 12-1
Murrieta Fire Department Stations

Station	Location
Fire Station No. 1	41825 Juniper Street
Fire Station No. 2	40060 California Oaks Road
Fire Station No. 3	39985 Whitewood Road
Fire Station No. 4	28155 Baxter Road
Fire Station No. 5	38391 Vineyard Parkway ~~(Temporary)~~
Fire Station No. 6	Specific Location TBD

Page 12-9, last sentence in first paragraph under Response Time and ISO Rating Subheading

The Department has a target response time of 6½ minutes from the time of the alarm on all calls, which includes 5½ minutes of drive time and a one minute "turnout" time. Stations in the outlying regions experience longer average response times, such as the eastern portion of the City along Winchester Road and in the area between Winchester and the I-215 north of Clinton Keith. A sixth fire station in this area ~~would~~ is contemplated to help achieve the target response time.

Page 12-10, paragraph under Protection for High-Rise Buildings Subheading

As Murrieta develops with more Class A high-rise office buildings, further investments in Fire Department equipment and personnel are needed. ~~Fire suppression for high-rise buildings is better accomplished with four people assigned to each engine company rather than three.~~ An aerial truck company with a ladder extension of 100 feet ~~and staffed with four persons~~ will be able to access and provide fire suppression for buildings such as Loma Linda University Medical Center-Murrieta.

Page 12-10, paragraph under Fire Prevention Subheading

The Fire Department engages in ~~several~~ activities that are aimed at preventing fires and compliance with California Building Standards Code, Chapters 7 and 7A, and the California Fire Code *(California Code of Regulations, Title 24, Part 9)*. ~~Besides the Weed Abatement program for wildfires, t~~The Department ~~also~~ provides fire protection engineering, building inspections for code compliance, and hazardous materials inspections. As described later in this Element, the Department also provides education and training in public safety and emergency preparedness.

Page 12-16, paragraph under Staffing and Response Times Subheading

The Department's goals will be to reach and maintain police officer and civilian support employee staffing levels to effectively and efficiently address the public safety needs, measured through established response times (as shown in *Table 12-3, Target Response Times*), crime statistics, crime clearance rates, and community quality of life issues. ~~The Department's target staffing level is one officer and 0.5 civilian support staff per 1,000 residents. The Police Department has also established targets for response times, depending on the urgency of the call, as shown in *Table 12-3, Target Response Times*.~~ Currently, the Department is not staffed at ~~target levels~~ optimal staffing levels, and average response times for Priority 1 and Priority 3 calls are longer than the targets while average response time for Priority 2 calls is shorter than the target.

Page 12-18, paragraph under Urban Search and Rescue (USAR) Task Force Subheading

The Murrieta Fire Department maintains an Urban Search and Rescue (USAR) team of professional firefighters that are certified by the Federal Emergency Management Agency. They serve the larger community as part of California Task Force 6, supervised by the Riverside City Fire Department and composed of representatives from several Inland Empire fire agencies. The USAR team members regularly train with other agencies for rapid deployment to local, regional, and national incidents. ~~Most deployments to federal disasters are reimbursable through FEMA.~~

Page 12-9, paragraph under Emergency Operations Plan Subheading
The EOP describes the operations of the City of Murrieta Emergency Operations Center (EOC), which is the central management entity responsible for directing and coordinating the various City departments and other agencies in their emergency response activities. The EOC centralizes the collection and dissemination of information about the emergency and makes policy-level decisions about response priorities and the allocation of resources. The Police Department has been designated as the primary EOC. As part of the City's Emergency Management Program, the EOC Manager ~~(Fire Division Chief)~~ is responsible for ensuring the readiness of the EOC.

Page 12-20, first sentence in second paragraph in Section 12.4
The City promotes safety through education, engineering, enforcement, community design, ~~engineering,~~ and planning for hazards. Fire and Police Departments are involved in these preventive activities and respond to emergencies. These Departments also recognize that safety is in the hands of the people who live and work in Murrieta. Through outreach and education, the City can help community members to create a safe environment.

Page 12-21, last sentence in third paragraph under Fire Protection Subheading
Preventive measures will continue to be an important part of fire protection in Murrieta, including conditions of development and weed clearance to deter the spread of wildland/urban interface fires, Fire Department review of site plans, and community education, engineering, and enforcement.

Page 12-22, paragraph under Police Protection Subheading
Demand for Police Department services will continue to grow with the population, while the Department seeks to reach and maintain police officer and civilian support employee staffing levels to effectively and efficiently address the public safety needs of the community ~~a staffing level of one officer and 0.5 civilian support staff per 1,000 residents~~. Expansion of the Police Department facility is needed to accommodate additional staff. Target response times for calls is another measure that the City will strive to meet. ~~Current impact fees are not expected to meet the policing demands of the growing population, and the City will consider how to address this need.~~

Policy SAF-1.4, page 12-24
SAF-1.4 Review ~~Ensure that~~ public safety infrastructure and staff resources as ~~keep pace with~~ new development is planned or proposed in Murrieta and the Sphere of Influence.

Policy SAF-2.3, page 12-25
SAF-2.3 Seek to maintain emergency access in the event of an earthquake by ~~planning arterial roadways to avoid fault zones and using~~ engineering roadways ~~and design~~ to reduce damage to them.

New Policy SAF-6.9, page 12-27
SAF-6.9 Strive to achieve an Insurance Services Office (ISO) Public Protection Classification of 3 in areas with fire hydrants and 9 in areas that are not connected to an existing water district supply system.

Policy SAF-8.6, page 12-28

SAF-8.6 Promote ~~Encourage~~ the use of integrated pest management techniques to keep City properties free of herbicides and pesticides.

New Policy SAF-8.12, page 12-29

SAF-8.12 Ensure that Fire Department personnel receiving training to achieve the Hazardous Materials Technician level.

Existing Policy SAF-8.12, page, 12-29

Renumber policy from SAF-8.12 to SAF-8.13

Existing Policy SAF-8.13, page 12-29

SAF-8.14~~3~~ Work with the appropriate Federal, State, regional, and local agencies ~~Strive~~ to identify previously unidentified contaminated sites in the City, particularly on sites with a high likelihood of past contamination, such as old gas stations or industrial sites, and work with the property owners and applicable agencies to remediate them.

Policy SAF-9.1, page 12-29

SAF-9.1 Seek to reach and maintain police officer and civilian support employee staffing levels to effectively and efficiently address the public safety needs, measured through established response times (as shown in *Table 12-3, Target Response Times*), crime statistics, crime clearance rates, and community quality of life issues. ~~Seek to provide a ratio of one police officer per 1,000 residents and at least one-half as many support personnel.~~

Exhibit 12-8, High Fire Hazard Zones

Revise exhibit to include all areas within high fire zone.

New Exhibit 12-9, Fire Station Service Areas

Add new exhibit to show fire station locations and service area.

Errata for Final General Plan 2035

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ACKNOWLEDGEMENTS PAGE

Planning Commission
Add Anthony Casadonte, Planning Commissioner

Historic Preservation Advisory Commission
Remove Francisco Hernandez, Commissioner

City Staff
Remove Mark Wright, Chief of Police
Add Matthew Shobert, Fire Chief
Revise Mike Baray, Chief of Police

CHAPTER 1
INTRODUCTION

CHAPTER 2
VISION

These two chapters will be reorganized as follows:

Chapter 1

1.1 Overview
1.2 About the General Plan
1.3 About Murrieta (previously 2.2 in Chapter 2)
1.4 General Plan Update Process and Community Input (previously 1.3)
1.5 Community Priorities (previously 2.4 in Chapter 2)

Chapter 2

2.1 Overview
2.2 Vision For The Future (previously 2.2, Part 2: New Direction)

CHAPTER 3
LAND USE ELEMENT

Page 3-15, fourth full paragraph
Portions of Murrieta are located within Compatibility Zones B1, C, D, and E, as well as the Height Review Overlay Zone (refer to *Exhibit 3-2*, *French Valley Airport Compatibility Zones*).

Page 3-29, first bullet point revision, addition of fifth bullet point

- Provide a mix of Multiple-Family Residential, Commercial, and Office and Research Park uses.
- Become an office and technology park employment center with some areas reserved for commercial uses.
- Provide office and research park uses in Central Murrieta north of the I-15 Freeway, east of Los Alamos Road, and generally west of Hancock Avenue to support the Rancho Springs Medical Center and complement the Crossroads Corporate Center.
- Provide shopping opportunities to support the employment uses in the Focus Area, as well as for the community.
- Eliminate the MU-1 general plan designation and redesignate those areas in the General Plan as Multiple-Family Residential, Office and Research Park, or Commercial.

Page 3-33, first full paragraph
The Office and Research Park uses will be primarily located west ~~south~~ of the I-15 Freeway, south ~~east~~ of Guava Street, east ~~north~~ of Madison Avenue, and north ~~west~~ of Elm Street. The building heights in this area could range in height up to a maximum of five to six stories.

Page 3-46, Los Alamos Hills
There is an interest by some of the property owners within the Los Alamos Hills area to develop a Specific Plan that would maintain the rural core of the Los Alamos community west of Warm Springs Creek, while providing certain needed local services. With a Specific Plan, property owners are looking to develop a land use plan that both reflects the rural character of the area, but provides for transitional land uses between the rural land uses and more intense development near Winchester Road. The existing open space, future development pattern, and circulation system established for the area is intended to maintain and preserve the majority of area as a picturesque area, whose topography and setting contribute to the rural agricultural enclave. The Specific Plan would identify the needs and providers of infrastructure.

Additional development anticipated under the General Plan 2035 includes 828 new residential units and an additional 157,453 square feet of commercial uses.

Section 3.5, beginning on page 3-49
The land use designation "Rural Residential" will be renamed to "Large Lot Residential." This change will be made throughout the Land Use Element and all other Elements.

Table 3-18, page 3-51
The Density Standard for Large Lot Residential (previously named Rural Residential) will be revised from 0.4 – 1.0 du/ac to 0.1 to 1.0 du/ac. This revision will be made throughout the Land Use Element and all other Elements.

Page 3-26, text under Vision subheading for Clinton Keith/Mitchell
VISION

The Clinton Keith/Mitchell Focus Area is intended to:

- Provide a mix of Large Lot ~~Rural~~, Single-Family and Multiple-Family Residential, Commercial, and Office and Research Park uses.
- Maintain large lot ~~rural~~ residential areas generally west of Duster Road.
- Provide a mix of Single-Family and Multiple-Family residential uses generally east of Mitchell Road and south of Linnel Lane.
- Provide shopping opportunities east of McElwain Road and west of the I-215 Freeway.
- Provide office and research park uses north of Linnel Lane and west of the I-215 Freeway.

The Single-Family and Multiple-Family Residential uses will provide a transition of residential densities from the large lot ~~rural~~ residential area generally east of Mitchell Road and south of Linnel Lane to the shopping and employment centers north of Linnel Lane and east of McElwain Road.

Page 3-56, Addition of policy
LU-1.10 Apply the following provisions when cases arise regarding the location of land use designation boundaries:

- Where land use designation boundaries follow street lines or other identifiable property or boundary lines, those lines shall be construed to be those of the land use designation boundary.
- Where land use designation boundaries are indicated within street lines or identifiable rights-of-way or creeks, the centerline there of shall be construed to be that of the land use designation boundary.

Page 3-64, addition of reference following Policy LU-14.6
(North Murrieta Business Corridor)
Refer to Policy LU-3.2 regarding buffering residential uses from incompatible uses.

Page 3-65, Policy LU-17.1
LU-17.1 Encourage the expansion of a job-creating center of office, research, technology, business park, and industrial activity within the area generally bounded by the I-15 freeway on the east ~~north~~, Cherry Street on the south ~~east~~, Washington Avenue on the west ~~south~~, and Brown Street on the north ~~west~~.

Page 3-71, Addition of policies

LU-25.10 Submit tentative tract maps and parcels maps to the Riverside County Airport Land Use Commission for consistency review. This is applicable to properties designated as Large Lot Residential and Single-Family Residential in the General Plan and that are located within Compatibility Zones C and D in the French Valley Airport Land Use Compatibility Plan.

LU-25.11 Submit commercial development and places of assembly to the Riverside County Airport Land Use Commission for consistency review with the applicable average and single-acre population intensity limits in the French Valley Airport Land Use Compatibility Plan for properties within Compatibility Zones B1, C, and D.

LU-25.12 Require new development that is 10 acres or larger in area shall incorporate open space area in compliance with the Riverside County Airport Land Use Compatibility Plan Section 4.2.4 and in compliance with the applicable compatibility zones requirements in the French Valley Airport Land Use Compatibility Plan.

Exhibit 3-2, French Valley Airport Compatibility Zones
Revisions to Legend

Zone A (Runway Protection Zone and Within Building Restriction Line)
Zone B1 (Inner Approach/Departure Zone)
Zone B2 (Adjacent to Runway)
Zone C (Extended Approach/Departure Zone)
Zone D (Primary Traffic Patterns and Runway Buffer Area)
Zone E (Other Airport Environs)

See Riverside County Airport Land Use Compatibility Policy Plan Chapter 2, Table 2A for compatibility criteria associated with this map. Table 2A lists the zones; locations; maximum densities/intensities for residential (dwelling unit/acre) and other uses (people/acre); required open land; prohibited uses; and other development conditions.

Source: Table 2A, Basic Compatibility Criteria, Riverside County Airport Land Use Compatibility Policy Plan, Riverside County Airport Land Use Commission, October 2007.

Exhibit 3-3, Redevelopment Project Areas
Revisions to Exhibit

Graphic will be revised to show areas within the Riverside County Redevelopment Agency Plan Area separately from those within the Murrieta Redevelopment Agency Plan Area.

CHAPTER 4
ECONOMIC DEVELOPMENT ELEMENT

Page 4-4, first and second bullet points

- **Regional Economic Growth.** The City has the potential to attract firms that offer relatively higher skilled and higher wage jobs due to its educated and skilled resident labor force, land use development opportunities, existing regional freeway accessibility, proximity to the French Valley Airport, and future transit development programs. Given that Murrieta has a significant share of residents with both higher education and higher skill levels, there is the potential for growth in the export-base industries, particularly within the manufacturing, research and development, professional, scientific and technical, information, medical, and finance and insurance sectors. There is also the potential for growth in the area of higher education, such as a four-year university in the City, as well as the industries that would benefit from proximity and access to higher educational institutions, which include the majority of industries cited in the previous sentence.
- **Office and Industrial Market Trends.** The City has the opportunity to capitalize on the growing lack of office space in North San Diego County and Orange County. As the Murrieta office market improves and evolves, it will attract a growing proportion of professional, medical, technical, and research employment, particularly in developments along major highway corridors and at the centrally located confluence of the I-15 and I-215 Freeways. Similarly, as the Murrieta industrial market improves, it will be well-positioned both geographically and demographically to attract a range of research and development (R&D) and light industrial users. The General Plan 2035 should create opportunities for flex-tech buildings and higher intensity office uses along freeway corridors.

Policy ED-1.2, page 4-5

ED-1.2 Encourage the development and integration of a mix of uses in a "main street" setting that includes retail anchored department stores, entertainment, hotel, office, retail, ~~and~~ residential, transit-oriented development and/or mixed uses that provide a regional draw.

Policy ED-4.8, page 4-8

ED-4.8 Encourage retail developments~~, particularly smaller projects,~~ to locate in areas where they can be most effective in terms of meeting the needs of local households and encourage mixed use, which can create neighborhood centers of activity.

Policy ED-5.4, page 4-8

ED-5.4 Encourage housing that is within economic reach of all income levels and ~~family~~ living styles inclusive of age-restricted housing, estate and ranch properties, single-family detached, single-family attached, town homes, condominium flats, and apartments.

Policy ED-9.1, page 4-10

ED-9.1 Coordinate implementation efforts with other economic development programs carried out by other implementation agencies including, but not limited to: ~~Murrieta Chamber of Commerce, Southwest California Economic Alliance, Temecula Chamber of Commerce, Southwest California Economic Development Corporation and Murrieta Redevelopment Agency.~~ Murrieta Redevelopment Agency, Murrieta Chamber of Commerce, Temecula Chamber of Commerce, Riverside County Economic Development Agency, Western Riverside County Council of Governments, San Diego Association of Governments, San Diego North Economic Development Council, San Diego Regional Economic Development Corporation, Southwest California Economic Alliance, and Southwest California Economic Development Corporation.

CHAPTER 5
CIRCULATION ELEMENT

Addition of a table showing Roadway Segments Volume-to-Capacity Ratios (V/C) and Levels of Service (LOS).

Addition of exhibit showing Roadway Classification Cross-Sections.

Table 5-7, pages 5-17 to 5-19
The column heading in Table 5-7 that reads "Project Impact (Exceeds LOS Standard)" will be revised to "Project Impact (Exceeds LOS Standard Before Enhancements."

Policy CIR-6.8, page 5-25
CIR-6.8 Support the construction of bus turnouts with shelters adjacent to new developments where transit demand levels may be sufficient in the future to warrant such accommodations to maintain traffic flow and provide safe loading/unloading area for bus passengers.

All Circulation Element Exhibits
Change to base of all Exhibits

Change from Via Princess (shown between Jackson Avenue and Murrieta Hot Springs Road) to Whitewood Road.

Exhibit 5-2, Truck Routes
Revisions to Exhibit

Revise title to Potential Truck Routes.

Add to Legend: Truck Routes are designated per Municipal Code Section 10.28.050.

Remove the following segments: 1) Murrieta Hot Springs Road between 1-215 and Winchester Road; 2) California Oaks north of I-15; 3) Adams Avenue between Guava Street and Cherry Street; 4) Madison Avenue between Kalmia Avenue and Murrieta Hot Springs Road; 5) Los Alamos Road between I-15 and I-215 and segment east of 1-215; and 6) portion of Monroe Avenue north of Elm Street.

Exhibit 5-10, General Plan 2035 Circulation Map
Revisions to Exhibit

Remove Los Alamos Road as a Circulation Plan roadway between Whitewood Road to Clinton Keith Road.

CHAPTER 6
INFRASTRUCTURE ELEMENT

Page 6-2, addition of new paragraph before the Wastewater Subheading
All four water districts have adopted Urban Water Management Plans (UWMP), the purpose of which is to review current and future water resources, and to establish and maintain water conservation programs for a 25-year planning horizon. At the time this General Plan was being prepared, the 2005 UWMPs reflected the most recently adopted plan, with a planning horizon from 2005 to 2030. However as of May 2011, all four districts are in the process of preparing their 2010 UWMP, with a planning horizon from 2010 to 2035.

Page 6-5, revise last sentence in second paragraph under Water Supply Subheading
The City will encourage ~~annexation~~ property owners to annex to water districts in these areas.

Policy INF-1.2, page 6-7
INF-1.2 Discourage development in areas without connections to ~~isolated from~~ existing infrastructure, unless infrastructure is being provided.

Policy INF-1.9, page 6-8
INF-1.9 Encourage the water districts to proactively manage their assets through the maintenance, improvement, and replacement of maintain, improve, and replace aging water and wastewater systems to ensure the provision of these services to all areas of the community.

Policy INF-1.15, page 6-8
INF-1.15 Continue to implement the City's residential informational and outreach program by providing homeowners with Best Management Practices (BMP) ~~to address high threat activities,~~ for activities such as, but not limited to:

- Disposal of fats, oils, and grease
- Disposal of garden waste
- Disposal of household hazardous waste
- Disposal of pet waste
- Garden care and maintenance
- Vehicular repair and maintenance
- Vehicular washing

Policy INF-2.5, page 6-10
INF-2.5 Coordinate with water districts to encourage innovative demonstrations of non-potable uses for recycled water and/or groundwater recharge in City facilities and industrial applications.

Page 6-10, addition of text before Capital Improvement Program Subheading
Refer to related goals and policies in the Conservation Element: Goal CSV-3 and Policies CSV-3.1 through CSV-3.5, and Goal CSV-4 and Policies CSV-4.1 through CSV-4.7 address storm water management and groundwater recharge.

Exhibit 6-1, Water District Service Area Boundaries
Revisions to Exhibit
Exhibit will be revised to reflect correct district boundaries as shown in the Draft EIR.

CHAPTER 7
HEALTHY COMMUNITY ELEMENT

Policy HC-6.1, page 7-12

HC-6.1 Encourage equitable distribution of healthy food retail and dining options in all ~~residential~~ commercial and employment areas of the City.

Policy HC-6.2, page 7-13

HC-6.2 Research and consider land use regulations to limit fast food outlet density ~~such as limits on chain, formula, or non-sit-down establishments~~.

CHAPTER 8
CONSERVATION ELEMENT

Page 8-7, text revision under Western Riverside Multiple Species Habitat Conservation Plan Subheading

Murrieta is a Permittee under the *Western Riverside Multiple Species Habitat Conservation Plan* (*MSHCP*), and as such, has existing conservation agreements and also sets aside land parcels within the City as Conservation Land to meet the land acquisition goals of the *MSHCP*. The conceptual conservation scenario for the MSHCP Reserve Area is based on existing public lands, undeveloped land (Core Areas), and identified potential Linkages between the Core Areas~~, illustrated in *Exhibit 8-3*, *MSHCP Existing and Proposed Conservation Land*~~.

Warm Springs Creek and Murrieta Creek are important natural features within the City that are protected for their biotic and aesthetic value; they offer wetland resources and allow for wildlife migration. These features are included in the MSHCP as potential Linkages between Core Areas.

For discussion and planning purposes, the Core Areas and Linkages are grouped into Area Plans and Subunits, as shown in *Exhibit 8-3~~4~~*, *MSHCP Area Plans and Subunits*. The *MSHCP* identifies the following Biological Issues and Considerations for the Subunits within the City and the Sphere of Influence:

Page 8-10, delete last sentence in first full paragraph

The City has a *Cultural Resource Preservation Ordinance* that provides *"a mechanism by which community resources such as buildings, structures and sites within the City of Murrieta, which are of pre-historic or historic interest or value, or which exhibit special elements of the City's architectural, cultural, or social heritage may be identified, protected, enhanced, perpetuated and used in the interest of the public's health, safety, welfare, and enrichment."* Under this ordinance, a natural or constructed feature may be designated as an individual resource, and a geographic area may be designated as an archeological district or a historic preservation district. ~~Designation of a historic preservation district is intended to be concurrent with the development of design guidelines for the district.~~

Page 8-10, text revision to second sentence under Historic Downtown Murrieta Subheading

The Historic Murrieta Specific Plan, adopted in 2000, provides a framework for the future enhancement and preservation of Historic Downtown Murrieta. The Specific Plan Area is bounded by Jefferson Avenue to the east ~~north~~; Ivy Street to the south ~~east~~; Hayes Avenue to the west ~~south~~; and Kalmia Street to the north ~~west~~.

Page 8-17, text revision to last sentence at top of page

Waste reduction and recycling efforts are thus proven tools to reduce greenhouse gas emissions along with material waste. They are also opportunities to raise awareness about environmental sustainability and the importance of changing behaviors. Murrieta seeks to continue the success of its efforts to divert waste from landfills. In anticipation of further requirements from the state related to AB 32, Murrieta should look to create a commercial recycling program that would promote recycling and diversion of solid waste from landfill by requiring businesses, nonresidential properties, and commercial buildings to source separate recyclable materials from all other solid waste for recycling and diversion from landfill and provide for the collection of recyclable materials.

Page 8-17, text revisions to second and third paragraph under Green Building Subheading

Municipalities are in the position to effect significant change in the adoption and success of green building practices, either by creating standards or incentivizing green building — for instance, by removing barriers within City codes or review processes. Murrieta intends to encourage the application of green building practices within the community that ~~by adopting legislation, and~~ will lead the way through the upgrade of municipal facilities.

Although the State of California incorporates a set of green building practices into its building standards code, the field of green building will continue to advance. Murrieta can stay abreast of current techniques and save more natural resources by encouraging green construction, where feasible, to go beyond state standards.

Policy CSV-8.1, page 8-21

CSV-8.1 ~~Continue to f~~Facilitate the conservation of habitat areas and wildlife corridors under the Western Riverside Multiple Species Habitat Conservation Plan.

Page 8-21, Addition of policy

CSV-8.7 Establish an implementation program to clarify procedures for implementation of the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP) Habitat Acquisition Negotiation Strategy (HANS) in the City and to provide incentives to facilitate conservation with the MSHCP while recognizing private property rights.

Policy CSV-9.9, page 8-22

CSV-9.9 Promote the use of native plant species in public landscaping of parks, schools, medians and planter strips, as well as in private development throughout the City.

Policy CSV-10.9, page 8-23, delete policy

~~CSV-10.8 Allow small-scale community-serving food processing facilities.~~

Policy CSV-12.3, page 8-24

CSV-12.3 ~~Encourage the~~ Support the on-site installation and use of renewable energy generation systems for residential, commercial, institutional, and industrial uses.

Policy CSV-12.5, page 8-25

CSV-12.5 ~~Allow~~ Consider non-commercial solar power generation in residential areas.

Policy CSV-12.6, page 8-25

CSV-12.6 Encourage new development projects and significant rehabilitation or expansion projects to incorporate innovative energy conservation or generation amenities such as electric vehicle charging stations, ~~and~~ solar canopies, and carports.

Policy CSV-14.2, page 8-26

CSV-14.2 ~~Integrate~~ Encourage the integration of other principles of green building into development standards and guidelines, looking for opportunities to realize other benefits such as improved health and increased bicycle transportation.

Exhibit 8-3, MSHCP Existing and Proposed Conservation Land

Delete exhibit

Exhibit 8-4, MSHCP Area Plans and Subunits

Renumber exhibit to Exhibit 8-3 and make all text edits in Conservation Element.

Exhibit 8-5, Important Farmland

Renumber exhibit to Exhibit 8-4 and make all text edits in Conservation Element.

Exhibit 8-6, Williamson Act Farmland (2006)

Renumber exhibit to Exhibit 8-5 and make all text edits in Conservation Element.

CHAPTER 9
RECREATION & OPEN SPACE ELEMENT

Overall comment for Element
Change reference throughout Element from *Master Plan* to *Parks Master Plan.*

Page 9-2, first paragraph under Parkland Subheading
At the time the *Parks Master Plan* was adopted in 2009, the City had ~~The *Master Plan* counts~~ 467.24 acres of parkland in 48 City parks. This total does not include joint use school facilities, some natural areas in Nature Parks, or private facilities. It includes six types of City Parks – City-Wide Parks, Community Parks, Neighborhood Parks, Neighborhood Play Areas, Special Use Parks, Native Parks – shown in *Exhibit 9-1, Parks,* and listed in *Table 9-1, Recreation Facilities Inventory*. *Table 9-1* reflects several ~~two~~ new parks and ~~some~~ facilities that have been added since the completion of the Master Plan, and which increase the City's parkland acreage total.

The following facilities have been added, are in the design phase, or constructed since adoption of the *Parks Master Plan* in 2009:

- Torrey Pines Park (8.80 acres) – Neighborhood Park
- Vineyards (10 acres) – Neighborhood Park
- Grizzly Ridge Park (0.44 acres) – Neighborhood Play Area
- Murrieta Equestrian Park (21.98 acres) – Special Use Park

Page 9-6, last sentence in paragraph under Community Event Space Subheading
Murrieta offers indoor and outdoor spaces for community events that are held by the City, residents, and organizations. Community members may reserve the Community Center, Town Square Park, and some Library facilities for events, as well as picnic shelters at several City parks. Community Center amenities are described above. Town Square Park provides space for community events in its amphitheater and large open turf area. The Library has a community room with adjacent garden that may be reserved for events. There is also an amphitheater at Antelope Hills Park~~, but parking is limited and there is no system for reservations~~.

Page 9-7, second and third paragraphs under Facility Needs Subheading
Facilities are planned that will help meet the needs for community centers, gymnasiums, and indoor basketball. Future ~~Phase 2~~ plans for Los Alamos Hills Sports Park call for a 20,000-square foot community center that may include a gymnasium and outdoor facilities, including a swimming pool and tennis courts. A teen center planned for California Oaks Sports Park may also include a gymnasium. ~~A recreation room is planned for Golden Cities Park.~~

~~Phases 2 and 3 of Los Alamos Hills Sports Park are expected to include outdoor sports facilities, including a swimming pool and tennis courts.~~

Page 9-7, first sentence in first paragraph under Recreation Programs Subheading
In fiscal year 2010 ~~2007~~, the Community Services Department served over 8,500 8,436 participants with its programs and activities; the number of participants served increased to 15,009 in fiscal year 2011. Senior programs drew the greatest number of participants, followed by gymnastics, aquatics, and dance. Other recreation offerings include sports, toddler, art and music, health and fitness, martial arts, camp, and teen programs. The City also holds a number of community events throughout the year, such as celebrations for major holidays.

Table 9-2, page 9-11
Change City Parcel #1 – MYSL Site to City Parcel #1 – Nutmeg Site under Planned Facilities, Not Designed

Policy ROS-2.4, page 9-14
ROS-2.4 Consider ~~Encourage~~ the installation of water fountains, toilets, and sinks in parks and recreation facilities.

CHAPTER 10
AIR QUALITY ELEMENT

Policy AQ-1.5, page 10-5

AQ-1.5 Provide public education and/or materials to educate and encourage residents and business owners to purchase/use low toxicity household cleaning products.

Policies AQ-5.5 through AQ-5.8, page 10-8

~~AQ-5.5 Encourage operators of major outdoor events to submit a trip reduction plan which applies to both patrons and employees during the course of the event.~~

AQ-5.5~~6~~ Provide a preference to contractors using reduced emission equipment for City construction projects as well as for City contracts for services (e.g., garbage collection).

AQ-5.6~~7~~ Manage the municipal vehicle fleet to achieve the highest possible number of fuel-efficient and low emissions vehicles commercially available.

AQ-5.7~~8~~ Reduce industrial truck idling by enforcing California's five (5) minute maximum law, requiring warehouse and distribution facilities to provide adequate on site truck parking, and requiring refrigerated warehouses to provide generators for refrigerated trucks.

Policy AQ-6.7, page 10-9

AQ-6.7 During the design review process, encourage the use of measures ~~Employ design strategies to mitigate~~ to reduce indoor air quality impacts (i.e., ~~such as~~ air filtration systems, ~~requiring~~ kitchen range top exhaust fans, and ~~using~~ low-VOC paint and carpet) for new developments near ~~stationary pollution sources or~~ busy roadways with significant volumes of heavy truck traffic.

CHAPTER 11
NOISE ELEMENT

Page 11-4, last sentence in third paragraph under the Sensitive Noise Receptors subheading

Land uses less sensitive to noise are business, commercial, and professional developments. Noise receptors categorized as being least sensitive to noise include industrial, manufacturing, utilities, agriculture, natural open space, undeveloped land, parking lots, motorcycle parks, rifle ranges, warehousing, liquid and solid waste facilities, salvage yards, and transit terminals. These types of land uses often generate high noise levels. Moderately sensitive land uses typically include: multi-family dwellings, hotels, motels, dormitories, and outpatient clinics. Current land uses located within the City that are sensitive to intrusive noise include residential uses (particularly those in the vicinity of I-15 and I-215 Freeways), schools, hospitals ~~(particularly the Golden Triangle Medical Center and Rancho Springs Medical Center)~~, churches, and parks.

Page 11-16, second to last sentence in the paragraph under the Airport Noise subheading

Off-road transportation noise is also generated by aircraft traffic from one nearby airport, the French Valley (Rancho California) Airport, located outside of the City's Sphere of Influence. Aircraft flyovers are heard occasionally in the City; however, the aircraft do not contribute a significant amount of noise heard in the City. The Riverside County Airport Land Use Commission has prepared a Comprehensive Land Use Plan for the French Valley Airport (CLUP), which experiences an average of 506 daily operations. The CLUP indicates that the 55 CNEL noise level contour extends slightly into the eastern part of the City along the westerly side of Winchester Road ~~is located outside of City boundaries~~. The CLUP also designates portions of the City as being located within Compatibility Zones B1, C, D, and E, all of which require certain land use restrictions.

Goal N-4, page 11-27

GOAL N-4	~~**Mobile source emissions are reduced by providing a balance of jobs and housing that serve the needs of the community**~~ **Reduced noise levels from construction activities**.

CHAPTER 12
SAFETY ELEMENT

Page 12-4, first complete paragraph on page

Before a project can be permitted within a fault zone, a site-specific geologic investigation must demonstrate that proposed buildings will not be constructed across an Alquist-Priolo Earthquake Fault Zone, County Fault Zone, or any other active or potentially active fault. Structures are required to be set back from active faults. The earthquake fault zones extend approximately 500 feet in width on either side of a major active fault trace and approximately 200 to 300 feet in width on either side of a well defined minor active fault, as designated by the State. Development of a building designated for human occupancy is generally restricted within 50 feet of an identified fault.

Page 12-8, second paragraph on page

There are a number of building criteria and site maintenance techniques available for the Murrieta Fire Department and property owners to use for areas within a High Fire Hazard Zone or areas described as Wildland Urban Interface areas, which are areas where structures and other human development meet and intermingle with undeveloped wildland or vegetative fuels. These techniques are detailed in the California Building Standards Code, Chapters 7 and 7A, and the California Fire Code, Chapter 47 *(California Code of Regulations, Title 24, Part 9)*, and address topics such noncombustible siding for buildings and 100-foot fuel modification (buffer) zones. ~~Techniques to prevent the spread of fire include fuel modification, livestock grazing, prescribed fires, and fuel breaks. The Murrieta Fire Department implements a Weed Abatement program to reduce weed and brush fire hazards. The program provides for property inspections and enforcement on properties that pose a potential fire hazard due to weeds and brush. Conditions of development are currently required, such as Class A roofing, noncombustible siding and 100-foot fuel buffer zones, to protect communities from wildland/urban interface fires.~~ In addition, c~~C~~ommunity planning, awareness, and involvement are proven elements of effectively reducing the occurrence of wildland fires and damage associated with them.

Page 12-9, third paragraph and Table 12-1 under Fire Protection Subheading

The Fire Department has five stations located to optimize response times throughout the City of Murrieta, listed in *Table 12-1*, *Murrieta Fire Department Stations*, with a proposed sixth station in the eastern Sphere of Influence area (refer to *Exhibit 12-9, Fire Station Service Areas*).

Table 12-1
Murrieta Fire Department Stations

Station	Location
Fire Station No. 1	41825 Juniper Street
Fire Station No. 2	40060 California Oaks Road
Fire Station No. 3	39985 Whitewood Road
Fire Station No. 4	28155 Baxter Road
Fire Station No. 5	38391 Vineyard Parkway ~~(Temporary)~~
Fire Station No. 6	Specific Location TBD

Page 12-9, last sentence in first paragraph under Response Time and ISO Rating Subheading

The Department has a target response time of 6½ minutes from the time of the alarm on all calls, which includes 5½ minutes of drive time and a one minute "turnout" time. Stations in the outlying regions experience longer average response times, such as the eastern portion of the City along Winchester Road and in the area between Winchester and the I-215 north of Clinton Keith. A sixth fire station in this area ~~would~~ is contemplated to help achieve the target response time.

Page 12-10, paragraph under Protection for High-Rise Buildings Subheading

As Murrieta develops with more Class A high-rise office buildings, further investments in Fire Department equipment and personnel are needed. ~~Fire suppression for high-rise buildings is better accomplished with four people assigned to each engine company rather than three.~~ An aerial truck company with a ladder extension of 100 feet ~~and staffed with four persons~~ will be able to access and provide fire suppression for buildings such as Loma Linda University Medical Center-Murrieta.

Page 12-10, paragraph under Fire Prevention Subheading

The Fire Department engages in ~~several~~ activities that are aimed at preventing fires and compliance with California Building Standards Code, Chapters 7 and 7A, and the California Fire Code *(California Code of Regulations, Title 24, Part 9)*. ~~Besides the Weed Abatement program for wildfires, t~~The Department ~~also~~ provides fire protection engineering, building inspections for code compliance, and hazardous materials inspections. As described later in this Element, the Department also provides education and training in public safety and emergency preparedness.

Page 12-16, paragraph under Staffing and Response Times Subheading

The Department's goals will be to reach and maintain police officer and civilian support employee staffing levels to effectively and efficiently address the public safety needs, measured through established response times (as shown in *Table 12-3, Target Response Times*), crime statistics, crime clearance rates, and community quality of life issues. ~~The Department's target staffing level is one officer and 0.5 civilian support staff per 1,000 residents. The Police Department has also established targets for response times, depending on the urgency of the call, as shown in *Table 12-3, Target Response Times*.~~ Currently, the Department is not staffed at ~~target levels~~ optimal staffing levels, and average response times for Priority 1 and Priority 3 calls are longer than the targets while average response time for Priority 2 calls is shorter than the target.

Page 12-18, paragraph under Urban Search and Rescue (USAR) Task Force Subheading

The Murrieta Fire Department maintains an Urban Search and Rescue (USAR) team of professional firefighters that are certified by the Federal Emergency Management Agency. They serve the larger community as part of California Task Force 6, supervised by the Riverside City Fire Department and composed of representatives from several Inland Empire fire agencies. The USAR team members regularly train with other agencies for rapid deployment to local, regional, and national incidents. ~~Most deployments to federal disasters are reimbursable through FEMA.~~

Page 12-9, paragraph under Emergency Operations Plan Subheading

The EOP describes the operations of the City of Murrieta Emergency Operations Center (EOC), which is the central management entity responsible for directing and coordinating the various City departments and other agencies in their emergency response activities. The EOC centralizes the collection and dissemination of information about the emergency and makes policy-level decisions about response priorities and the allocation of resources. The Police Department has been designated as the primary EOC. As part of the City's Emergency Management Program, the EOC Manager ~~(Fire Division Chief)~~ is responsible for ensuring the readiness of the EOC.

Page 12-20, first sentence in second paragraph in Section 12.4

The City promotes safety through education, engineering, enforcement, community design, ~~engineering,~~ and planning for hazards. Fire and Police Departments are involved in these preventive activities and respond to emergencies. These Departments also recognize that safety is in the hands of the people who live and work in Murrieta. Through outreach and education, the City can help community members to create a safe environment.

Page 12-21, last sentence in third paragraph under Fire Protection Subheading

Preventive measures will continue to be an important part of fire protection in Murrieta, including conditions of development and weed clearance to deter the spread of wildland/urban interface fires, Fire Department review of site plans, and community education, engineering, and enforcement.

Page 12-22, paragraph under Police Protection Subheading

Demand for Police Department services will continue to grow with the population, while the Department seeks to reach and maintain police officer and civilian support employee staffing levels to effectively and efficiently address the public safety needs of the community ~~a staffing level of one officer and 0.5 civilian support staff per 1,000 residents~~. Expansion of the Police Department facility is needed to accommodate additional staff. Target response times for calls is another measure that the City will strive to meet. ~~Current impact fees are not expected to meet the policing demands of the growing population, and the City will consider how to address this need.~~

Policy SAF-1.4, page 12-24

SAF-1.4 Review ~~Ensure that~~ public safety infrastructure and staff resources as ~~keep pace with~~ new development is planned or proposed in Murrieta and the Sphere of Influence.

Policy SAF-2.3, page 12-25

SAF-2.3 Seek to maintain emergency access in the event of an earthquake by ~~planning arterial roadways to avoid fault zones and using~~ engineering roadways a~~nd~~ ~~design~~ to reduce damage to them.

New Policy SAF-6.9, page 12-27

SAF-6.9 Strive to achieve an Insurance Services Office (ISO) Public Protection Classification of 3 in areas with fire hydrants and 9 in areas that are not connected to an existing water district supply system.

Policy SAF-8.6, page 12-28

SAF-8.6 Promote ~~Encourage~~ the use of integrated pest management techniques to keep City properties free of herbicides and pesticides.

New Policy SAF-8.12, page 12-29

SAF-8.12 Ensure that Fire Department personnel receiving training to achieve the Hazardous Materials Technician level.

Existing Policy SAF-8.12, page, 12-29

Renumber policy from SAF-8.12 to SAF-8.13

Existing Policy SAF-8.13, page 12-29

SAF-8.14~~3~~ Work with the appropriate Federal, State, regional, and local agencies ~~Strive~~ to identify previously unidentified contaminated sites in the City, particularly on sites with a high likelihood of past contamination, such as old gas stations or industrial sites, and work with the property owners and applicable agencies to remediate them.

Policy SAF-9.1, page 12-29

SAF-9.1 Seek to reach and maintain police officer and civilian support employee staffing levels to effectively and efficiently address the public safety needs, measured through established response times (as shown in *Table 12-3, Target Response Times*), crime statistics, crime clearance rates, and community quality of life issues. ~~Seek to provide a ratio of one police officer per 1,000 residents and at least one-half as many support personnel.~~

Exhibit 12-8, High Fire Hazard Zones

Revise exhibit to include all areas within high fire zone.

New Exhibit 12-9, Fire Station Service Areas

Add new exhibit to show fire station locations and service area.

GENERAL PLAN ERRATA

REVISED CHAPTER 1

ATTACHMENT 7A

Chapter 1
Introduction

1.1 OVERVIEW

The Murrieta General Plan is a document required by California law that provides a foundation for City policies and actions. It guides both the physical development of Murrieta and the provision of public infrastructure and services.

This General Plan places particular emphasis on economic development and keeps Murrieta in front of current policy topics, including sustainability and health. It is rooted in ten community priorities that were developed through an extensive community involvement process.

1.2 ABOUT THE GENERAL PLAN

GENERAL PLAN TOPICS

California law requires each city and county to have an adopted General Plan. State law specifies that each jurisdiction's General Plan address seven "elements," or topics: land use, circulation, housing, conservation, open space, noise, and safety. Cities are also allowed to include additional elements on matters of particular importance within that community.

The Murrieta General Plan includes the following chapters:

- **Introduction:** Purpose and contents of the General Plan, its relationship to California law, background on Murrieta, the planning process that was followed for the General Plan Update, and the community priorities that shaped the General Plan goals and policies.
- **Vision:** Context for the General Plan, including major policy initiatives behind the General Plan Update.
- **Land Use Element:** Growth, development, redevelopment, conservation, and preservation. Parameters and desired locations for land uses such as residential, commercial, industrial, civic/institutional, parks, and open space are mapped and described.
- **Economic Development Element:** Strength and diversity of the economy, jobs, retail, and revenue for public services.

- **Circulation Element:** Transportation systems within the City that provide for automobile, truck, transit, bicycle, and pedestrian movement.
- **Conservation Element:** Biological resources, cultural resources, energy resources, solid waste reduction, sustainable development, and green building.
- **Recreation and Open Space Element:** Open space and recreation opportunities including natural open spaces, linear open space, trails, and public and private recreation facilities.
- **Air Quality Element:** Air pollution and greenhouse gases.
- **Noise Element:** Noise from various sources, including transportation corridors and commercial areas.
- **Infrastructure Element:** Facilities for water, wastewater, flood control, and drainage.
- **Safety Element:** Natural and manmade hazards including seismic hazards, flood potential, hazardous materials incidents, fire hazards, transportation hazards and crime.
- **Healthy Community Element:** Ensuring a healthy community by addressing such topics as pedestrian and bicycle safety, access to nutritional foods, mental health, and physical activity.
- **Housing Element:** The Housing Element is being updated in a separate process but is part of the updated General Plan. It addresses local and regional needs for housing.

USE AND PURPOSE OF THE GENERAL PLAN

The role of each community's General Plan is to act as a constitution for development and the foundation upon which all land use decisions are to be based. Land use decisions encompass not only zoning, but also circulation, infrastructure, design, open space, and other factors. The Murrieta General Plan is a policy document to assist and guide local decision-makers. The General Plan also identifies land uses and their distribution throughout the City. To be considered consistent with the General Plan, a project must not only be consistent with the Land Use Plan, but it must also further the goals of all elements of the General Plan and must meet the intent of its goals and policies.

The General Plan is to be used by the City Council to make funding and budget recommendations and decisions. City Staff will use the General Plan to regulate building and development and to make recommendations on projects to the Planning Commission and City Council. The General Plan will also be used by residents, neighborhood groups, City Council and Commissions, and developers to understand the City's long-range plans, to evaluate land use changes, and to evaluate specific development proposals.

Chapter 1 Introduction

A General Plan is a legal document that must meet specific State requirements for content. The Murrieta General Plan meets or exceeds the requirements set forth in the *California Government Code* Section 65300 et seq. The General Plan is an integrated, internally consistent statement of the official land use policy for the City of Murrieta. The Plan addresses each issue prescribed by State law as it applies to Murrieta. The Plan contains land use and circulation maps. It also contains text that identifies goals, sets forth policies, and identifies implementation strategies.

The *California Environmental Quality Act* (*CEQA*) requires all local and State governmental agencies to consider the environmental consequences of projects over which they have a discretionary authority. CEQA Statutes (*Public Resources Code* Section 21065) define a project as "an activity which may cause either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment." Therefore, the City of Murrieta, as the lead agency, was required to prepare and certify an Environmental Impact Report (EIR) for the General Plan Update.

The General Plan EIR is a public document that assesses the overall environmental effects of the Plan update at a program level of detail and indicates ways to reduce or avoid possible environmental damage. The Program EIR generally analyzes the broad environmental effects of the General Plan Update, and provides a baseline, or "first tier," against which future projects implemented under the General Plan 2035 horizon will be evaluated. Where subsequent *CEQA* documentation is required for a future project, the City must implement the applicable mitigation measures developed in the Program EIR, and focus its analysis on site-specific issues that cannot otherwise be addressed at a program or policy level of analysis.

The Program EIR is to be used as a companion document with the General Plan.

ADMINISTERING THE GENERAL PLAN

It is the intent of the City Council to implement this General Plan by establishing planning goals and policies based on the Plan, developing ordinances and regulations to implement the Plan, and providing the requisite staff resources. The City Council is also aware that its intention to implement this General Plan is based on the availability of funding and that some goals, policies, and programs may take longer to achieve if funds are unavailable.

Once adopted, the General Plan does not remain static. As time goes on, the City may determine that it is necessary to revise portions of the text, amend the land use map, or add policies or programs to reflect changing circumstances or philosophy.

State law provides direction on how cities can maintain the General Plan as a contemporary policy guide: it requires each planning department to report annually to the City Council on "the status of the plan and progress in its implementation" (*Government Code* Section 65400[b]). The City Council may respond to the Community Development Department review by setting goals for the coming year.

AMENDING THE GENERAL PLAN

It is necessary to periodically review, update, and revise the General Plan. State law permits General Plan amendments up to four times per year for each mandatory element (*Government Code* Section 65358[b]). Optional elements are permitted by State law (*Government Code* Section 65303), and once adopted, the optional elements carry the same legal weight as the seven mandated elements.

1.3 ABOUT MURRIETA

SETTING

The City of Murrieta is located in southeastern Riverside County, between the Santa Ana Mountains and San Jacinto Mountains, where the I-15 and I-215 Freeways meet. This scenic area with creeks, hot springs, and rolling hills has been the site of various settlements dating back to prehistoric times, and Murrieta's downtown reflects the history of the town site that was established in 1884. Incorporated in 1991 with a population of approximately 24,000, Murrieta is now home to over 100,000 people.

Surrounding communities include Menifee, Temecula, Wildomar, and unincorporated Riverside County; refer to *Exhibit 1-1*, *Regional Location Map*. The San Diego County border is just south of Temecula, and Orange County lies on the other side of the Santa Ana Mountains to the west.

Murrieta's "crossroads" location has made it possible for many people to live here and enjoy affordable housing, excellent schools, and "small town feeling" lifestyle while commuting to jobs elsewhere. Originally founded as a stop along the California Southern Railway, the City looks forward to an extension of the Metrolink commuter line from Corona into southwest Riverside County, and to a potential station for California's High Speed Rail that has been proposed in the vicinity of the I-15/I-215 junction.

LANDSCAPE

The City's Corporate Boundary and Sphere of Influence comprises 41.96 square miles, of which 33.61 square miles is located within the City Limits. The average elevation within the City is approximately 1,110 feet above mean sea level (AMSL).

Murrieta sits below the Santa Rosa Plateau of the Santa Ana Mountains. The Hogbacks Ridge runs through the northeastern part of the City. Other mountain ranges are visible in the distance: the San Jacinto Mountains to the east, and the Santa Margarita and Agua Tibia ranges to the south.

The two main creeks and their tributaries flowing through Murrieta are Murrieta Creek in the western portion and Warm Springs Creek to the east. Open space lines these waterways. Murrieta Hot Springs Road got its name from mineral-rich springs that once attracted travelers who sought their healing properties.

For most of the twentieth century, Murrieta was most notable for dry farming and producing grain and other agricultural products. In the 1960s, the area was known for the breeding of fine racehorses. This heritage is still reflected in the large-lot rural areas near the base of the Santa Ana Mountains and along Los Alamos Road, and in the remaining agricultural land.

By 2009, approximately one-third of the land within Murrieta's City limits was developed with residential uses. Commercial centers and business parks are located along the freeways and major streets, while industrial uses are found in the South Murrieta Business Corridor and west side of the City. Murrieta is still growing, with just over one-third of the land considered to be vacant.

HISTORY

Paleo-Indian Period. Archaeological research and tribal oral traditions in the Murrieta-Temecula area suggests that prehistoric occupation of the valley dates back thousands of years. There are a number of long-term village complexes and habitation sites located in Murrieta, which are valuable resources. The remnants of early villages as well as the local art and ethnographic accounts provide an important record of Murrieta's early occupation by Native Americans.[1]

Late Period. It is generally assumed that the Late Period began approximately AD 500 to 750, and its termination is widely accepted as AD 1769, the date of the beginning of permanent European occupation of California. The Luiseno Peoples occupied the Murrieta-Temecula area and called themselves Payomkawichum before the influx of European settlers and the Mission Period. There are also many Luiseno place names within the Murrieta area. Several village complexes were located within the City's boundaries; one that has been definitively identified by the Tribe is Qengva, which is in the southwest part of Murrieta. To the north of Qengva is 'avaa'ax, referring to the cottonwood trees along Murrieta Creek. To the east is the "The Owls' Nest" or Muula Putee, which is located on what residents know as the Hogbacks in the Los Alamos area. Flowing beside these prominent hills to the south is the Santa Gertrudis River or Totpa, a very important water source.[2]

Spanish and Mexican Periods. Both the San Luis Rey and the San Juan Capistrano Missions claimed the territory for cattle raising and used local vaqueros to manage their cattle herds. They likely used Los Alamos Road to travel from the Alamos grasslands to the missions. Soon after Spain lost control of Mexico and the missions closed, the entire Murrieta area was divided among three land grants: Rancho Temecula, San Jacinto Rancho, and Rancho Santa Rosa.[3]

American Period. As travel along the Santa Fe Trail and Southern Emigrant trails during the early American Period brought more settlers, settlement occurred along the Santa Ana and San Jacinto waterways. The Southern Pacific Railroad line from Los Angeles through the San

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[1] City of Murrieta *General Plan*, June 21, 1994.

[2] Ibid.

[3] Ibid.

Gorgonio Pass was completed in 1876. In 1883, the California Southern Railway allowed for travel through the Cajon Pass and down to San Diego through what is now western Riverside County.

By the late 1880s and early 1890s, there was growing discontent between Riverside and San Bernardino, its neighbor 10 miles to the north. After a series of instances in which charges were claimed about unfair use of tax monies to the benefit of the City of San Bernardino only, several people from Riverside decided to investigate the possibility of a new county. Joined by San Diego County residents in the Temecula and San Jacinto Valleys and the desert region who were tired of living so far from their county seat, they petitioned the State legislature, held an election, and on May 9, 1893 formed Riverside County.

Further developments in Riverside County included Banning and Beaumont in the San Gorgonio Pass; Hemet south of San Jacinto; Moreno Valley east of Riverside; Perris, Lake Elsinore, Murrieta and Temecula along the California Southern Railroad; Palm Springs, Palm Desert, Indio and Coachella along the Southern Pacific route to Yuma; and Blythe on the Colorado River. The trains were used to transport settlers into the area, creating a period of agricultural and land development. Transportation, agriculture, and the control of water have continued to be central themes in the settlement, development, and growth of Riverside County.[4]

The Murrieta area was originally included in Mission San Luis Rey's lands as part of Rancho Temecula. After secularization, other ranchos were carved from Rancho Temecula, including the Pauba, La Laguna, and Little Temecula Ranchos. By the mid-19th century, Murrieta's land area was bisected by the Southern Emigrant Trail, which ran through western Riverside County in a similar alignment to the current I-15 Freeway. The trail, which also served as the route of the Butterfield Overland Stage, went through a major stop called "Alamos," the Spanish word for cottonwoods, located near the present-day intersection of Cherry and Jefferson Avenues in Murrieta. Another branch of the Southern Emigrant Trail veered northward from Temecula to Box Springs near present-day Moreno Valley, roughly following the present-day route of I-215 Freeway.[5]

The City of Murrieta was named after Don Juan Murrieta, a Spaniard who originally settled in the Merced region of the San Joaquin Valley. Don Juan Murrieta eventually drove his herds of sheep southward to southern California, and after bringing 100,000 sheep to southwestern Riverside County (along with several business partners), purchased 52,000 acres of the Temecula and Pauba ranchos from Vincent de Laveaga of San Francisco in 1873. Juan and his brother Ezekiel Murrieta deeded a right-of-way to the California Southern Railway in 1882 and soon thereafter announced their plans to subdivide a town called "Murrietaville" along the railroad.[6,7]

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[4] Robinson, W.W. 1979. *Land in California*. Berkeley and Los Angeles: University of California Press.

[5] Lech, Steve. 2004. *Along Old Roads. A History of the Portion of Southern California that Became Riverside County, 1772–1893*. Published by the Author.

[6] Garrison, Arlean V. 1963. *My Children's Home—A History of Murrieta, California*. Published by the author.

[7] Ibid. 4.

In 1884, before they could make their plans a reality, the Murrieta brothers were bought out by the Temecula Land and Water Company, which immediately subdivided a portion of its new holdings. The subdivided lands included 14,500 lots that were generally 40 acres in size, as well as some larger tracts ranging from 200 to 4,000 acres each for large-scale agriculture.[8] At the heart of the subdivision was the Murrieta town site, which consisted of 160 acres divided into 537 lots near the railroad depot. The original grid layout of streets included Kalmia, Juniper, and Ivy Streets which ran northeast to southwest; and Washington, Clay, and Hayes Streets, which ran northwest to southeast. The town increased rapidly during the boom years that affected many railroad-adjacent towns in southern California in the late 1880s.[9]

By 1886, the town included a post office, depot, large hotel, restaurant, two general stores, a hardware and furniture store, school, livery stable, lumber yard, butcher shop, laundry, blacksmith shop, church, newspaper called *The Era*, and two physicians. By 1890, the town had a population of 800.[10] When Riverside County was formed in 1893, Murrieta was designated one of 12 original judicial townships and the 40th election precinct.[11]

Washington Avenue, 1917. Credit: E. Hale Curran Collection.

[8] Ibid 6.

[9] Ibid 5.

[10] Ibid 6.

[11] Gunther, Jane Davies. 1984. *Riverside County, California, Place Names: Their Origins and Their Stories*. Rubidoux Printing Co., Riverside, California.

Washington Avenue, 1917. From left to right, H.C. Thompson, A.K. Small, Dr. Sturgis, and Harry Thompson. This building still stands, although the façade has changed over the years. Credit: E. Hale Curran Collection.

The Santa Fe Railroad acquired California Southern Railway after a wet winter in 1883–1884 ruined a large stretch of their newly-created railway through the Temecula Valley. The connection was reconstructed; however, their purchase was not financially profitable. After they completed a line through the San Jacinto Valley, the California Southern alignment became somewhat redundant as well. In 1891, after a wet winter flooded and washed out the California Southern tracks in Temecula Valley, Santa Fe drastically curtailed rail service through Murrieta. Murrieta became the end of a rail spur from Corona and not a stop along any major thoroughfare.[12] This, in addition to the broader southern California real-estate bust in the 1890s, dampened Murrieta's growth as a town. After a short-lived attempt in the 1890s to attract "gentleman planters" to the area with an irrigation district aimed at supporting widespread groves of deciduous fruits, the area settled into a more bucolic existence.[13] Daily train service continued into Murrieta until 1935, after automobile use had become a well-established alternative to train travel in southern California.[14]

[12] Ibid.

[13] Ibid 5.

[14] Ibid 6.

Murrieta Depot, 1898. Standing in front are Depot Agent O.W. Miller and his daughter Evelyn. Credit: E. Hale Curran Collection.

After the close of the rail line in 1935, the land boom ended. By 1947, the town had an estimated population of 1,200. In that same year, the Murrieta Fire Protection District was formed. Civic accomplishments in the 1950s included a new town hall (1956) and the formation of the Murrieta Valley Chamber of Commerce (1959). In the 1960s, the area became known for the breeding of fine racehorses.

From the 1890s through the late 20th century, Murrieta's land use and local economy was largely based on dry-farming grains (barley, wheat, and oats), and Murrieta's identity was influenced by established farms of vast rolling fields of seasonal grasses. Murrieta was largely a town consisting of grain farmers who drove huge teams of horses pulling combine harvesters over the fields of the Antelope Valley, the Santa Rosa Plateau, and the Alamos district. Murrieta farmers also grew potatoes, alfalfa, vegetables, and grape vineyards, as well as orchards of olive, cherry, pear, apple, fig, and nectarine trees.[15]

[15] Alter, Ruth C., Kathleen A. Crawford, and Scott A. Moomjian. 2004. Murrieta Historical Resources Inventory Update. Prepared for the City of Murrieta by Archaeos, May 2004.

Built in 1918, the grain elevator is pictured here in 1958. It was operating until 1983 and still stands, west of downtown. Credit: E. Hale Curran Collection.

One exception to the community's dominant agricultural identity was the regionally-popular Murrieta Hot Springs. Located along present Murrieta Hot Springs Road just east of I-215, the mineral-rich springs have been used by people for thousands of years. The Luiseño called the springs Cherukanukna Hakiwuna and their extensive use of the springs is reflected in the numerous habitation sites and artifacts identified nearby. Non-Indian visitors in the late 19th century determined that the springs had healing properties, and Murrieta Hot Springs became part of a rapidly growing network of Southern California destinations for health-seekers. In 1887, a Pasadena syndicate bought the hot springs, along with over a thousand acres of land. After several years of new owners, Murrieta Hot Springs was purchased by Fritz Guenther in 1902. It prospered under the family's ownership for nearly 70 years, expanding from 200 acres of ranch land and a few decrepit buildings into over 500 acres of prime resort spa, complete with

bathhouses, tiled pools, hotels, great halls, stables, gardens, and hiking trails; however, by 1969, profits declined due to laws prohibiting gambling, and affordable air travel enticed families to take their vacations elsewhere. Murrieta Hot Springs was sold again, continuing its decline over the years until the spa was closed in 1990 and the resort was auctioned off.[16] Since that time, the Murrieta Hot Springs have been acquired by the Calvary Chapel Bible College, who has been restoring many of the buildings to their former glory.

City Incorporation. Renewed residential growth in Murrieta began in the 1980s with the improvement of I-15 and I-215 Freeways and subsequent migration of thousands of San Diego and Orange County residents' farther inland in search of affordable suburban housing. The 1980 Census recorded approximately 2,200 residents in Murrieta; however, by 1990, the population had soared to over 24,000 residents. This rapid residential growth between 1980 and 1990 led Murrieta to incorporate as a general law City in 1991.

Following incorporation, Murrieta started its own police department and took control of the 46-year-old Fire Protection District. The first Murrieta General Plan was adopted in 1994. The City of Murrieta established its own public library in 1998 and built a larger facility for it in 2007 in Town Square, a 34-acre site on the edge of downtown where Murrieta's City Hall, Police Department, Fire Department, Senior Center, and Library encircle a town green and amphitheater. The first building completed in Town Square was the Police Department, in 2002. Murrieta's first park intended to serve the entire City soon started taking shape, with the first phase of Los Alamos Hills Sports Park completed in 2006.

Murrieta's residential growth continued to increase the population, to approximately 44,280 people in 2000 and 85,000 in 2005. As of 2009, the City's population is estimated to be 100,714.[17]

PEOPLE

As described above, the City of Murrieta's total population has approximately quadrupled in size since its incorporation, from 24,334 in 1992 to 100,714 in 2009.

The largest age group for the City of Murrieta is the mature working age population of people from 35 to 64 years of age. According to 2006-2008 American Community Survey estimates, this age group comprised about 35 percent of the total population in the City. Children made up the second largest age group, with about 31 percent of Murrieta's population under 18. Residents from 18 to 34 years old made up about 25 percent of the population, representing the entry level and less experienced working age population. Older adults over 65 years old made up the smallest age group for the City of Murrieta at approximately 9 percent in 2008.

[16] Ibid.

[17] California Department of Finance, 2009.

The 2006-2008 American Community Survey estimated that over one-quarter of the people in Murrieta identified themselves as Hispanic or Latino, of any race. Of the remaining population, over one-half of the residents were White, between 5 and 10 percent were Asian, and 4 to 6 percent identified themselves as Black or African American. Census 2010 will provide more exact information on the age and ethnicity of Murrieta residents.

ECONOMY

In 2009, employment opportunities in Murrieta are primarily driven by local household demand for products and services. The largest employment sectors are retail trade, with large employers such as Wal-Mart and Home Depot; local government, which includes schools and the City of Murrieta; and health care, including Southwest Healthcare. Together, such local-serving businesses provide nearly 78 percent of the jobs in Murrieta in 2008.[18]

The remaining 22 percent of jobs in Murrieta are export-base, meaning that their products or services are demanded outside Murrieta at the regional level or beyond. This type of business brings outside dollars into the community. Large employers in this sector include American Industrial Manufacturing Service and Cryoquip, Inc.

Murrieta has an educated, skilled labor force that is not accommodated by local jobs. Instead, 87 percent of the local labor force commutes outside of Murrieta to work.[19] This mismatch presents an opportunity to develop Murrieta's economic base by promoting economic diversification, particularly within the manufacturing, professional, scientific and technical, information and finance, and insurance sectors.

Economic Catalysts

A look at the surrounding regional economy indicates that Murrieta has the potential to attract firms that offer higher skilled jobs — especially due to its educated and skilled resident labor force, land use development opportunities, existing regional freeway accessibility, and plans for future transit.

Building on an existing strength, Murrieta is seeking to offer more opportunities for higher education closer to home. An extension facility of Azusa Pacific University is already located in Murrieta, and extension facilities of other institutions are found in neighboring cities. A satellite campus for California State University (CSU) San Marcos opened in Temecula through a cooperative effort by the City of Murrieta, City of Temecula, and Temecula Valley Unified School District, in which Murrieta provided a grant for tenant improvements. This cooperative effort brought the first four-year California State university to the Temecula Valley. In December 2008, the Murrieta City Council approved an 11.5-acre project called the Murrieta Education Center that is envisioned to accommodate satellite facilities for several colleges as well as a workforce development center. Located in the South Murrieta Business Corridor, the complex will house these facilities in two five-story buildings, with complementary retail planned for another building.

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[18] Source: Stanley R. Hoffman Associates.

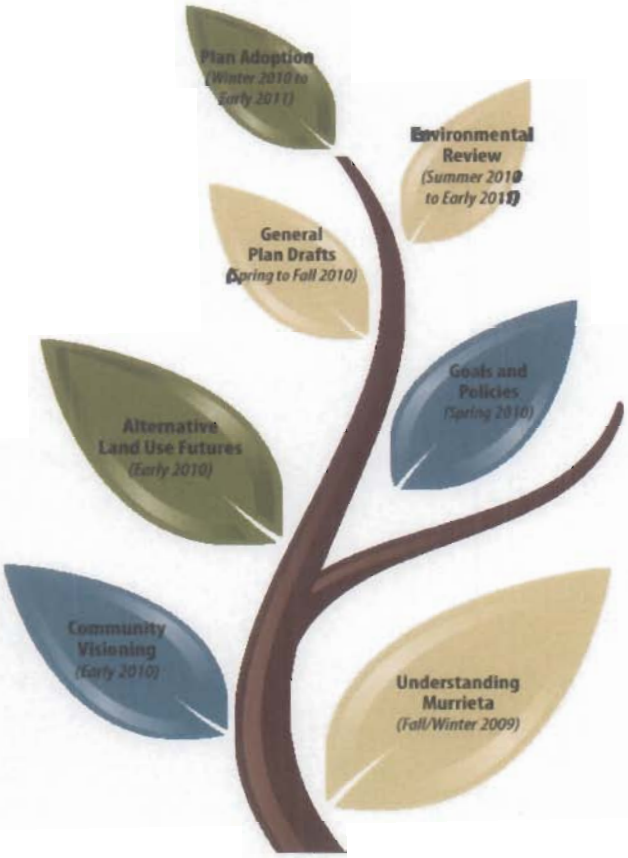
[19] Ibid.

The opening of Loma Linda University Medical Center-Murrieta in 2011 is expected to be another economic catalyst as it expands the existing health care cluster. The North Murrieta Business Corridor, where this teaching hospital is located, will be poised for development that complements the facility.

A high-speed rail station in Murrieta, if constructed, would become a major catalyst for growth. Such a station is tentatively planned near the I-15/I-215 interchange.

1.4 GENERAL PLAN UPDATE PROCESS AND COMMUNITY INPUT

In August 2009, the City entered into a contract with RBF Consulting to undertake a comprehensive General Plan Update.



UNDERSTANDING MURRIETA

In this initial phase, the General Plan Team reviewed existing plans and studies, conducted site visits, and collected new data needed for the General Plan.

VISIONING PROCESS

The first phase of community participation in the General Plan Update was called "visioning" because it asked the community to help define a vision of what Murrieta should be in the future.
Participation opportunities included workshops and surveys, as described below. The input received from the community through these various opportunities shaped the community priorities that are described in the Vision Chapter, and which were originally presented in the Community Vision Report.

Outreach

In January 2010, the City of Murrieta kicked off an outreach campaign to raise public awareness of the General Plan Update process and opportunities to participate. Early outreach efforts included "information centers" at City Hall and the Library,

presentations to business groups, and staffed tables at local retailers (Wal-Mart) and the City's Recreation Expo. Outreach continued throughout the process with updates to the project website, press releases, and email newsletters.

Online Survey

Residents were invited to participate in an online survey from January 8 to February 8, 2010 and describe what about Murrieta they wanted to stay the same, the challenges they felt Murrieta needs to overcome, and their hopes for Murrieta's future (Treasures, Challenges, and Visions). There were 94 responses to the visioning survey.

Workshops

Visioning workshops began with the same questions as the survey, asking for ideas on Treasures, Challenges, and Visions. Participants then worked in groups to provide further direction on the popular topics. Students at Vista Murrieta High School participated in a youth visioning workshop which engaged 48 students from grades 9-12 on January 22, 2010 and led students to create vision statements for Murrieta. This was followed by two workshops for the community at large, held at Murrieta Mesa High School on the evening of Thursday, January 28, 2010 and duplicated on the morning of Saturday, January 30, 2010. Over 60 people participated in these community workshops, suggesting objectives and action steps for several topics.

A visioning workshop was held for the rural Los Alamos area on April 13, 2010. Approximately 50 participants did a Treasures, Challenges, Visions exercise and then worked in groups to write vision statements for the Los Alamos area.

Feedback on Community Priorities

A summary of the initial visioning input was placed online and provided a detailed description of participation in the survey and workshops. In that summary, the General Plan Team distilled all input into several "community priorities" for the future of Murrieta. The public was then asked to provide feedback on these community priorities through a second online survey and a room-wide polling exercise at the land use workshop on March 27, 2010.

A *Community Vision Report* presented the ten final community priorities, a summary of visioning activities, and verbatim input from the community. The report was posted on the General Plan Update website in August 2010.

LAND USE DIRECTION

The next major phase in the planning process considered and analyzed different scenarios for land use change, with many opportunities for community input.

Before commencing work on the General Plan Update, the City Council decided on four "Focus Areas" that were targeted for land use change:

- North Murrieta Business Corridor
- Clinton Keith/Mitchell Area
- Golden Triangle North (Central Murrieta)
- South Murrieta Business Corridor

These areas included key locations along freeway corridors that are suitable for major land development and redevelopment to carry out the City Council's economic development strategy. It also included rural residential areas north of Clinton Keith Road that are adjacent to major new development along I-215.

Through the General Plan Update process, three additional areas were identified:

- Multiple Use 3 (MU-3) – Land Use Change
- Historic Murrieta Specific Plan – Policy Input
- Los Alamos Hills – Policy Input

Community Workshops

The General Plan Team sought input on land use changes in five Focus Areas from local residents, property owners, and other stakeholders by holding a series of land use workshops from March to June 2010. A community workshop was held on March 27, 2010 in which participants worked in groups to provide general direction on land use in the five Focus Areas.

Local meetings were held in each of the Focus Areas to discuss land use in those areas. Formats of these meetings were tailored to the needs for each area. Generally, the first meeting for each area asked participants for open-ended input on land use, and a follow-up meeting presented land use alternatives for additional feedback. These meetings were held as follows:

- North Murrieta Business Corridor – March 23 and June 2, 2010
- Clinton Keith/Mitchell – March 25 and June 8, 2010
- South Murrieta Business Corridor – March 29, 2010
- Multiple Use 3 (MU-3) Area – April 22 and June 7, 2010
- Golden Triangle North – May 3 and June 10, 2010

The input received at those meetings, and submitted in writing, was summarized in the *Land Use Summary Report: Community Workshop and Land Use Area Meetings*, which was posted on the General Plan Update website in June 2010.

City Council and Planning Commission Workshops

Joint meetings of the City Council and Planning Commission were held on June 23, 2010 and July 6, 2010, so these officials could review a series of land use alternatives for five Focus Areas and provide direction to City Staff and the General Plan Team on a Recommended Land Use Alternative.

GOALS AND POLICIES / GENERAL PLAN DRAFTS

"Goals for a Healthy Murrieta" Workshop

A public workshop on October 21, 2010 had the dual purpose of obtaining direction on General Plan Update goals and hearing ideas on how Murrieta can be a healthy community. A brief presentation at the beginning of the workshop reviewed the purpose and progress of the General Plan Update. The presentation then described the relationships between the built environment and health, and provided information on health in Murrieta. Groups of participants were asked to write goals that could help the City to achieve the Community Priorities derived in the visioning process, and to suggest ways to promote health while pursuing those goals.

City Council and Planning Commission Workshops

Two joint workshops of the City Council and Planning Commission were held on November 30, 2010 and January 11, 2011 to provide a preview of the major features of the updated General Plan, in anticipation of the release of the public review draft. Presentations at these workshops reviewed some of the draft goals and policies, and introduced the concept of separating the land use map from the zoning map. Public comments were received at both workshops.

1.5 COMMUNITY PRIORITIES

During the General Plan Update, community members were afforded a number of ways to share their thoughts about Murrieta today and Murrieta in the future. The ten community priorities below describe the vision that members of the public provided for the future of their community, which guided the goals and policies in this General Plan, as well as a summary of comments from the workshops.

- **Sustainable Economy.** Pursue economic vitality and longevity by attracting higher education and growing a base of clean industry, while maintaining the current housing affordability.
- **Transportation.** Improve roadway networks to reduce traffic, and provide a citywide system of bicycle lanes and recreational trails that improve accessibility without a car.

- **Infrastructure and Services.** Improve health care within the City, and continue to provide excellent school, police, fire, library, and recreation services.
- **Community Character.** Protect and foster a strong sense of community and safety, as well as the "small town" feeling.
- **Governance.** Promote community involvement and provide for a fiscally sound future.
- **Recreation and Culture.** Provide abundant parks and facilities for recreational activities, and cultural amenities.
- **Natural Environment.** Protect the natural beauty of the mountains, hills, and waterways.
- **Historic Downtown Murrieta.** Create a vibrant, prosperous Historic Downtown that serves as a community center and provides a variety of quality shopping and dining experiences.
- **Youth Amenities.** Provide ample activities for all ages of youth, and jobs for teens.
- **Rural Areas.** Preserve elements of Murrieta's rural heritage.

SUSTAINABLE ECONOMY

Pursue economic vitality and longevity by attracting higher education and growing a base of clean industry, while maintaining the current housing affordability.

Community members expressed a desire for economic development that would lead to more jobs—including high-paying jobs and jobs for teens—and fully occupied retail centers. Participants hoped to see development in Central Murrieta. They noticed local signs of the economic downturn, expressing concerns about commercial vacancies, foreclosures, and lower housing values. However, participants also considered the affordability of housing in Murrieta to be an asset.

To stimulate economic development, workshop groups suggested providing higher education, infrastructure, and incentives, as well as promoting downtown. One group felt that high-speed rail could provide an opportunity. Another group suggested constructing office buildings for large employers. Some areas of growth the groups identified were medical and bio-tech industries, "green" businesses, mixed use, and hotels. Hotel locations were suggested near the Loma Linda University Medical Center and in Central Murrieta, north of Murrieta Hot Springs Road between the 1-15 and 1-215 Freeways. Participants saw opportunities for Murrieta due to assets such as freeway access and an educated workforce.

Participants recognized the role of the City and the General Plan in directing land use and growth. They expressed the need to manage growth in order to provide adequate infrastructure and services, or to preserve certain qualities of the community that they value.

TRANSPORTATION

Improve roadway networks to reduce traffic, and provide a City-wide system of bicycle lanes and recreational trails that improve accessibility without a car.

Transportation systems are important to Murrieta residents to help them reach other regional destinations and to travel within the city. Participants said that Murrieta was conveniently located, but many would rather be able to work, shop, dine, and recreate in Murrieta instead of driving out of town.

Time spent in the car is clearly an issue for Murrieta residents, with many participants citing traffic as a concern — on local streets and freeway interchanges. Even teens brought up traffic as a challenge for the community. As individuals and in groups, participants suggested more connections for Clinton Keith, Diaz, Winchester, Washington, and Ynez, as well as more freeway overpasses and north/south connectivity to Temecula. Participants asked for more roads to be paved.

Community members also hoped to see a City-wide system of bicycle lanes. They sought recreational trails (including equestrian trails) that connect parks and open space, hoping that they could access these amenities without needing to drive. As discussed in the Natural Environment section above, a workshop group proposed a park with trails along the Murrieta Creek from Wildomar to Temecula. Another group echoed this group's suggestion of linking trails to Historic Downtown.

Groups discussing transportation also suggested developing other modes of transportation: Safe Routes to School, wheelchair-accessible connectivity, a trolley, golf carts in Historic Downtown, improved bus service, and rail connections to San Diego and Orange County.

INFRASTRUCTURE AND SERVICES

Improve health care within the City, and continue to provide excellent school, police, fire, library and recreation services.

Many participants considered Murrieta's school system to be a community treasure, and hoped it would continue to be strong in the future. They also valued the police and fire departments, recreation services, library, and senior center.

Health care was a concern — in particular, hospital services — and participants looked forward to the new Loma Linda University Medical Center. Participants desired more opportunities for higher education. They made suggestions for infrastructure, including facilities for water, sewer,

and stormwater. Services suggested by participants included services for the homeless or near-homeless, and animal shelters.

COMMUNITY CHARACTER

Protect and foster a strong sense of community and safety, as well as the "small town" feeling.

Community members described Murrieta as safe, and placed importance on keeping it that way. Participants felt that Murrieta was good for families and wanted the community to be a safe, healthy environment for children in the future. Teens strongly valued the safety and sense of community they felt in Murrieta.

Residents expressed that Murrieta had a "small town" feel and sense of community. They valued community events and considered other people in Murrieta to be an asset.

Participants, including teens, referred to Murrieta as "clean," adding suggestions for more trees or landscaping, and image improvement. Participants expressed a desire for Murrieta to have a distinct identity.

GOVERNANCE

Promote community involvement and provide for a fiscally sound future.

Participants valued the opportunity to be involved in their community, including the General Plan Update workshops. They expressed concern about interference in Murrieta from special interests or excessive regulation from higher levels of government. Participants hoped for a fiscally sound future for Murrieta. They wanted leaders with vision, a responsive local government, communication with residents, and coordination with neighboring communities.

RECREATION AND CULTURE

Provide abundant parks and facilities for recreational activities, and cultural amenities.

Many comments related to recreation and culture. Community members value parks and outdoor activities. Suggestions for additional recreational facilities included a dog park, aquatic facility, and a skating rink. One workshop group suggested building a campground and also suggested that volunteers could contribute to recreation, for instance through an "adopt a trail" program.

Participants expressed a need for more dining and night life in Murrieta. Others hoped for more arts and culture events and facilities, such as a concert hall. One workshop group wanted to see cultural amenities that would attract residents aged 18-30.

NATURAL ENVIRONMENT

Protect the natural beauty of the mountains, hills, and waterways.

Community members value the natural beauty and clean air of Murrieta. Mountains, hills, and waterways were listed as treasures, with several calling out the Santa Rosa Plateau in particular. Participants cited open space as a treasure, and participants including youth expressed that natural areas should be retained in the future.

Participants identified that preservation would need to be balanced with development and the need to prevent flooding around waterways. Participants also identified property rights as a concern as it relates to preservation.

A workshop group that focused on open space and trails cited several benefits of quality of life, property values, sense of community, recreation, and wildlife preservation. This group suggested that connections between open space should be designed to work for people as well as for wildlife, and proposed a park with trails along the river from Wildomar to Temecula; they also suggested removing cement from the riverbed to allow groundwater recharge.

HISTORIC DOWNTOWN MURRIETA

Create a vibrant, prosperous Historic Downtown that serves as a community center and provides a variety of quality shopping and dining experiences.

Participants placed importance on Murrieta's historic downtown and Town Center, describing their envisioned downtown as "magical," "bustling," "prosperous," and "vibrant."

YOUTH AMENITIES

Provide ample activities for all ages of youth, and jobs for teens.

The General Plan Update Team heard directly from youth at Vista Murrieta High School, in a workshop attended by 48 students. These teens valued the schools, parks, programs and activities available in Murrieta, but felt a great need for more options in recreation, night life, and shopping. Teens wanted activities that they could do with their families, as well as with their friends. They also wanted more jobs, and opportunities to be involved in the community.

Teen participants suggested a teen night club, while a group of younger workshop participants asked for a pre-teen dance club. Another popular youth suggestion was a recreation/teen center. Teens also wished for more variety in shopping, and healthier restaurant options.

Suggestions from adults regarding youth included a teen center, activities, sports, mentoring and job skills training.

Teens wrote their own vision statements for Murrieta, presented below.

Youth Vision Statements
Written by Vista Murrieta High School Students – January 22, 2010

"Murrieta is a diverse community in which the inhabitants can enjoy fine dining, activities, entertainment as well as the safety and security to raise families. It is also a place with a healthy environment and thriving economy. It is well designed, efficient and aesthetically pleasing."

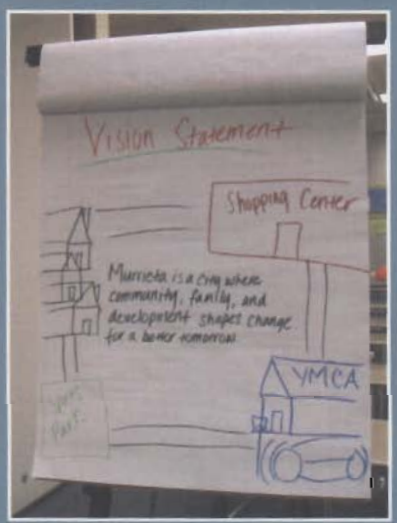
"Murrieta is still a safe place with a variety of entertainment and safe activities for families and kids to enjoy together."

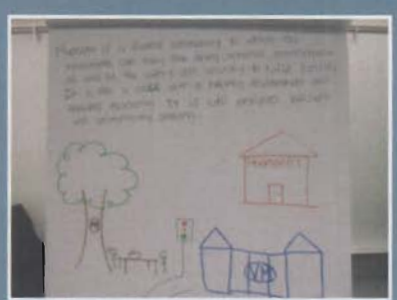
"The City of Murrieta is a safe and secure place to raise families and offers outstanding education in our great school districts. It is a diverse community that offers job opportunities and entertainment for kids as well as young adults."

"Murrieta is a city where community, family, and development shapes change for a better tomorrow."

"Murrieta is a city with an emphasis on safety, education, and opportunity in order to progress into an ideal society. Youth are able to feel close to those around them in the community while having a good time. Murrieta is a place that meets the wants and needs of the people."

"Murrieta is now a community with positive family and youth recreations, where education and safety is valued and first priority. Where there is less traffic, more economical opportunities for growth, and a clean environment."





RURAL AREAS

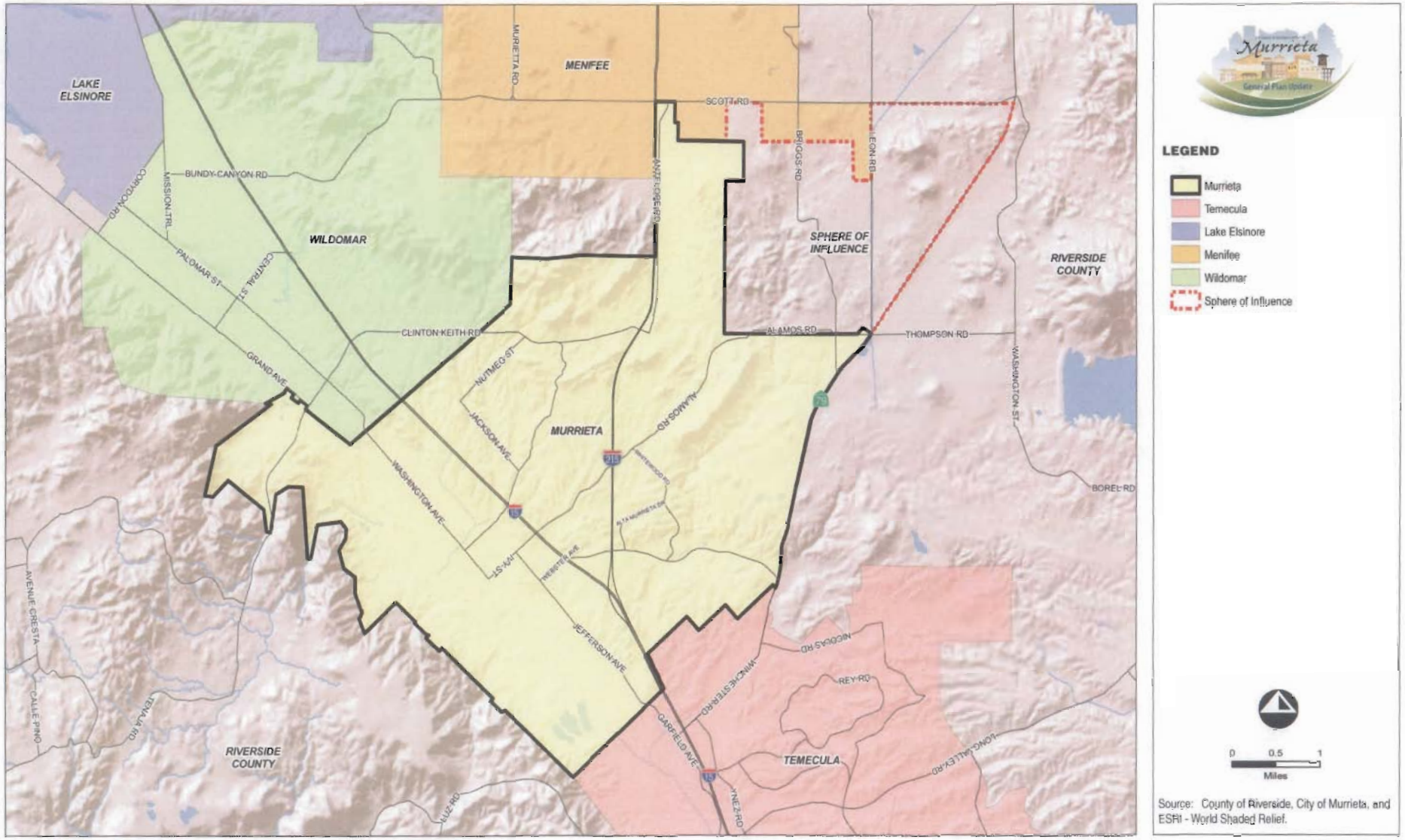
Preserve elements of Murrieta's rural heritage.

Community members value the "small town" feel around Murrieta, although they want the preservation of rural areas to be balanced with urban growth. Participants also expressed a need for additional infrastructure in rural areas, such as roads, water, and sewer.

There were several different components of this "small town" character that participants valued. Some wanted a feeling of openness, space, and country landscapes. Others cited the freedom to keep animals, ride horses, and grow food—or to have more privacy.

Residents in the Los Alamos area offered visions for their neighborhood that sought these types of rural elements, as well as large lot sizes and limited regulation, while providing more urban infrastructure.

Other participants suggested maintaining a rural feel by using elements such as split-rail fences, swales instead of curbs, greenways, and trails. One workshop group suggested ensuring compatible land uses near rural and agricultural areas. A survey participant proposed a living farm museum.



RBF CONSULTING

Regional Location Map

Exhibit 1-1

GENERAL PLAN ERRATA

REVISED CHAPTER 2

(UNDER SEPARATE COVER)

ATTACHMENT 7B

FINAL ENVIRONMENTAL IMPACT REPORT (EIR), INCLUDING MITIGATION MONITORING REPORTS PLAN, COMMENTS AND RESPONSES TO DEIR

ATTACHMENT 8

FINAL

the future of southern california
Murrieta
General Plan Update

Environmental Impact Report

July 2011

RBF CONSULTING

FINAL
ENVIRONMENTAL IMPACT REPORT

MURRIETA GENERAL PLAN 2035

SCH NO. 2010111084

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July 7, 2011

JN 10-106976

FINAL ENVIRONMENTAL IMPACT REPORT

In accordance with *California Environmental Quality Act* (*CEQA*) *Guidelines* Sections 15120 through 15132 and Section 15161, the City of Murrieta has prepared an EIR for the proposed General Plan 2035 (SCH #2010111084).

The Final EIR is comprised of the following:

- Draft EIR (Separate Volume and on CD)
- Draft EIR Technical Appendices (on CD)
- Mitigation Monitoring Program (Enclosed)
- Comments and Responses (Enclosed)
- Errata for Final EIR (Enclosed)

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CD Containing (in Draft EIR):

1) Public Review Draft General Plan 2035
2) Public Review Draft General Plan 2035 Environmental Impact Report
3) General Plan 2035 and General Plan 2035 Environmental Impact Report Technical Appendices

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Murrieta
General Plan Update

Section 11.0

Mitigation Monitoring Program

11.0 MITIGATION MONITORING AND REPORTING PROGRAM

Section 1.0 and Section 5.0 of this EIR identify the mitigation measures that will be implemented to reduce the impacts associated with the Murrieta General Plan 2035 project. The *California Environmental Quality Act* (*CEQA*) was amended in 1989 to add Section 21081.6, which requires a public agency to adopt a monitoring and reporting program for assessing and ensuring compliance with any required mitigation measures applied to proposed development. As stated in *Public Resources Code* Section 21081.6,

> *. . . the public agency shall adopt a reporting or monitoring program for the changes to the project which it has adopted, or made a condition of project approval, in order to mitigate or avoid significant effects on the environment.*

Public Resources Code Section 21081.6 provides general guidelines for implementing mitigation monitoring programs and indicates that specific reporting and/or monitoring requirements, to be enforced during project implementation, shall be defined prior to final certification of the EIR.

The mitigation monitoring table below lists those mitigation measures that may be included as conditions of approval for the project. These measures correspond to those outlined in Section 1.0 and discussed in Section 5.0. To ensure that the mitigation measures are properly implemented, a monitoring program has been devised which identifies the timing and responsibility for monitoring each measure. The applicant/developer of specific future projects will have the responsibility for implementing the measures, and the various City of Murrieta departments will have the primary responsibility for monitoring and reporting the implementation of the mitigation measures.

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
AESTHETICS							
AES-1	For future development located in or immediately adjacent to residentially zoned properties, construction documents shall include language that requires all construction contractors to strictly control the staging of construction equipment and the cleanliness of construction equipment stored or driven beyond the limits of the construction work area. Construction equipment shall be parked and staged within the project site, as distant from the residential use, as reasonably possible. Staging areas shall be screened from view from residential properties.	During Pre-Construction and Construction	Review and Approval of Construction Documents Periodic Site Inspections During Construction	City of Murrieta Planning Department and Building and Safety Department			
AES-2	Construction documents shall include language requiring that construction vehicles be kept clean and free of mud and dust prior to leaving the development site. Streets surrounding the development site shall be swept daily and maintained free of dirt and debris.	During Pre-Construction and Construction	Review and Approval of Construction Documents Periodic Site Inspections During Construction	City of Murrieta Planning Department and Building and Safety Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
AES-3	Construction worker parking may be located off-site with prior approval by the City. On-street parking of construction worker vehicles on residential streets shall be prohibited.	During Pre-Construction and Construction	Review and Approval of Construction Documents Periodic Site Inspections During Construction	City of Murrieta Planning Department and Building and Safety Department			
NOISE							
NOI-1	The City shall require future developments to implement the following measures to reduce the potential for human annoyance and architectural/structural damage resulting from elevated groundborne noise and vibration levels. ▪ Pile driving within a 50-foot radius of historic structures shall utilize alternative installation methods where possible (e.g., pile cushioning, jetting, predrilling, cast-in-place systems, resonance-free vibratory pile drivers). ▪ The preexisting condition of all designated historic buildings within a 50-foot radius of proposed construction activities shall be evaluated during a preconstruction survey. The preconstruction survey shall determine conditions that exist before construction begins for use in evaluating damage caused by construction activities. Fixtures and	Prior to Issuance of Grading Permit During Construction	Periodic Site Inspections During Grading and Construction	City of Murrieta Planning Department and Building and Safety Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
	finishes within a 50-foot radius of construction activities susceptible to damage shall be documented (photographically and in writing) prior to construction. All damage shall be repaired back to its preexisting condition. Vibration monitoring shall be conducted prior to and during pile driving operations occurring within 100 feet of the historic structures. Every attempt shall be made to limit construction-generated vibration levels in accordance with Caltrans recommendations during pile driving and impact activities in the vicinity of the historic structures.						
NOI-2	Residential projects located within the 55 CNEL noise contour for the French Valley Airport shall be subject to review by the Riverside County Airport Land Use Commission and shall be required to ensure interior noise levels from aircraft operations are at or below 45 dB CNEL.	Prior to Issuance of Grading Permit During Construction	Review by Riverside County Airport Land Use Commission	City of Murrieta Planning Department and Building and Safety Department			
GEOLOGY							
GEO-1	Prior to issuance of a Grading Permit for each future development project, a registered geologist or soils engineer shall prepare an area-specific Geologic Study, which shall be submitted to the Public Works or Building and Safety Department for approval. The Geologic Study shall specify the measures necessary to mitigate impacts related to fault rupture, groundshaking, landslides, liquefaction or dynamic settling, expansive or collapsible soils, lateral spreading, and	Prior to Issuance of a Grading Permit During Construction	Review and Approval of Geologic Study Issuance of Grading Permit Site Inspections	City of Murrieta Planning Department and Building and Safety Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
	other geologic and seismic hazards, if any. All recommendations in the Geologic Study shall be implemented during area preparation, grading, and construction.						
GEO-2	Prior to issuance of any Grading Permit, project applicants of future development projects shall comply with each of the recommendations detailed in the Geotechnical Study, and other such measure(s) as the City deems necessary to adequately mitigate potential seismic and geotechnical hazards.	Prior to Issuance of a Grading Permit During Construction	Review and Approval of Geologic Study Issuance of Grading Permit Site Inspections	City of Murrieta Planning Department and Building and Safety Department			
CULTURAL RESOURCES							
CR-1	Future development projects shall continue to be evaluated for cultural resources by the City of Murrieta through review by the Eastern Information Center (EIC) and notification of and consultation with the local tribes for new entitlement projects. The projects shall be evaluated for compliance with the California Environmental Quality Act (CEQA) and where feasible, avoidance of cultural resources. If, following review by the EIC and/or tribal consultation, it is determined that there is a potential for impacts to cultural resources, further cultural resources analysis by a qualified professional(s), as defined in Mitigation Measure CR-2, may be required by the City.	During Site Plan Review	Completion of cultural resource review by Eastern Information Center Completion of Cultural Resources Analysis	City of Murrieta Planning Department and Building and Safety Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
CR-2	In the event that cultural resources (archaeological, historical, paleontological) resources are inadvertently unearthed during excavation and grading activities of any future development project, the contractor shall cease all earth-disturbing activities within a 100-foot radius of the area of discovery. If not already retained due to conditions present pursuant to Mitigation Measure CR-1, the project proponent shall retain a qualified professional (i.e., archaeologist, historian, architect, paleontologist, Native American Tribal monitor), subject to approval by the City of Murrieta to evaluate the significance of the find and appropriate course of action (refer to Mitigation Measures CR-1 and CR-3). If avoidance of the resources is not feasible, salvage operation requirements pursuant to Section 15064.5 of the CEQA Guidelines shall be followed. After the find has been appropriately avoided or mitigated, work in the area may resume.	During Excavation and Grading Activities	On-Site Archaeological Monitor, if Archaeological, Historical, or Paleontological Resources are Discovered	City of Murrieta Planning Department and Building and Safety Department			
CR-3	In the event that human remains are unearthed during excavation and grading activities of any future development project, all activity shall cease immediately. Pursuant to State Health and Safety Code Section 7050.5, no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner shall within 24 hours notify the Native American Heritage Commission (NAHC). The NAHC shall then	During Excavation and Grading Activities	On-Site Monitor Report to Riverside County Coroner's Office, if Human Remains are Discovered	City of Murrieta Planning Department and Building and Safety Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
	contact the most likely descendant of the deceased Native American, who shall serve as consultant on how to proceed with the remains.						
HYDROLOGY, DRAINAGE, AND WATER QUALITY							
HYD-1	Prior to issuance of any Grading or Building Permit, and as part of the future development's compliance with the NPDES requirements, a Notice of Intent shall be prepared and submitted to the San Diego RWQCB providing notification and intent to comply with the State of California General Construction Permit. Also, a Stormwater Pollution Prevention Plan (SWPPP) shall be reviewed and approved by the Director of Public Works and the City Engineer for water quality construction activities on-site. A copy of the SWPPP shall be available and implemented at the construction site at all times. The SWPPP shall outline the source control and/or treatment control BMPs to avoid or mitigate runoff pollutants at the construction site to the "maximum extent practicable." All recommendations in the Plan shall be implemented during area preparation, grading, and construction. The project applicant shall comply with each of the recommendations detailed in the Study, and other such measure(s) as the City deems necessary to mitigate potential stormwater runoff impacts.	Prior to Issuance of any Grading or Building Permit During Construction	Review and Approval of SWPPP Issuance of Grading or Building Permits Site Inspections	City of Murrieta Public Works and Engineering Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
HYD-2	Prior to issuance of any Grading Permit, future development projects shall prepare, to the satisfaction of the Director of Public Works and the City Engineer, a Water Quality Management Plan or Stormwater Mitigation Plan, which includes Best Management Practices (BMPs), in accordance with the Riverside County DAMP and the Murrieta WQMP. All recommendations in the Plan shall be implemented during post construction/operation phase. The project applicant shall comply with each of the recommendations detailed in the Study, and other such measure(s) as the City deems necessary to mitigate potential water quality impacts.	Prior to Issuance of Grading Permits During Construction During Development Operations (Post Construction)	Review and Approval of WQMP Issuance of Grading Permit Site Inspections	City of Murrieta Public Works and Engineering Department			
HAZARDS AND HAZARDOUS MATERIAL							
HHM-1	The Community Development Department, in cooperation with the Murrieta Fire Department and the Riverside County Community Health Agency, Materials Management Division, shall provide information to businesses on viable alternatives to hazardous materials. Create an informational pamphlet with existing hazardous material substitutions and retailers that sell the materials. Offer the information to applicable business owners who are required to file as a hazardous waste handler in the City.	In Conjunction with Implementation of General Plan	Update and Provide Information to Businesses on Alternatives to Hazardous Waste	City of Murrieta Planning Department and Building and Safety Department/ Murrieta Fire Department/ Riverside County Department of Public Health			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
HHM-2	The Community Development Department, in cooperation with the Murrieta Fire Department and the Riverside County Community Health Agency, Materials Management Division, provide information on viable alternatives to household hazardous materials on the City's website so households may use alternatives. Information will also educate the public to the health, safety, and environmental benefits of using non-hazardous substitutions.	In Conjunction with Implementation of General Plan	Update City of Murrieta Official Website with Information on Alternatives to Household Hazardous Waste Material	City of Murrieta Planning Department and Building and Safety Department/ Murrieta Fire Department/ Riverside County Department of Public Health			
HHM-3	Prior to development approval on a project-by-project basis, the project applicant shall confirm the presence or absence of hazardous materials pertaining to the release of hazardous materials into the soil, surface water, and/or groundwater. If necessary, development shall undergo site characterization and remediation on a project-by-project basis, per applicable Federal, State, and/or local standards and guidelines set by the applicable regulatory agency.	Prior to Development Approval on a Project-by-Project Basis	Periodic Site Inspections During Demolition, Grading and Construction	City of Murrieta Planning Department and Building and Safety Department/ Murrieta Fire Department/ Riverside County Department of Public Health			
HHM-4	The project applicant shall comply with the requirements of the Federal Aviation Administration (FAA) should any portions of the development be within a height overlay review zone or encroach within an imaginary surface surrounding the French Valley Airport. A Notice of Proposed Construction or Alteration (Form 7460-1) may be required by the FAA in accordance with Federal Aviation Regulations Part 77.	Prior to Development Approval on a Project-by-Project Basis	Review and Approval of Site Plans	City of Murrieta Planning Department and Building and Safety Department/ Riverside County Airport Land Use Commission			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
WASTEWATER							
WW-1	Prior to issuance of a wastewater permit for any future development project, the Project Applicant shall pay applicable connection and/or user fees to RCWD, EVMWD, WMWD, or EMWD.	Prior to Issuance of a Wastewater Permit	Payment of Applicable Fees to County Sanitation Districts of Riverside County Issuance of Wastewater Permit	City of Murrieta Public Works Department/County Sanitation Districts of Riverside County			
WW-2	Prior to issuance of a building permit for any future development project, the Project Applicant shall prepare an engineering study to support the adequacy of the sewer systems and submit the engineering study to the City for review and approval. Any improvements recommended in the engineering study shall be installed prior to the certificate of occupancy for the development project.	Prior to Issuance of a Building Permit	Review/Approval of Engineering Study Issuance of Building Permit	City of Murrieta Public Works and Engineering Department			
WW-3	Prior to issuance of a building permit for any future development project, the Project Applicant shall provide evidence that the RCWD, EVMWD, WMWD, or EMWD has sufficient wastewater transmission and treatment plant capacity to accept sewage flows from buildings for which building permits are being requested.	Prior to Issuance of a Building Permit	Provide Evidence of Sufficient Wastewater Transmission and Treatment Plant Capacity Issuance of Building Permit	City of Murrieta Public Works and Engineering Department/County Sanitation Districts of Riverside County			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
WILDLAND FIRE HAZARDS							
FP-1	The Murrieta Fire Department shall review future development projects to determine if a Fuel Modification Plan is required. If required, project applicants shall prepare the Fuel Modification Plan in accordance with Fire Department requirements prior to the issuance of a grading or building permit.	Prior to Issuance of Grading or Building Permit	Review and Approval of Fuel Modification Plan	Murrieta Fire Department			
FP-2	Brush clearance shall be conducted prior to initiation of construction activities in accordance with Murrieta Fire Department requirements.	Prior to Initiation of Construction Activities	Review and Approval of Site Plans Periodic Site Inspections During Construction	Murrieta Fire Department			
FP-3	Adequate access to all buildings on the project site shall be provided for emergency vehicles during the building construction process.	During Construction	Review and Approval of Site Plans Periodic Site Inspections During Construction	Murrieta Fire Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
FP-4	Adequate water availability shall be provided to service construction activities.	During Construction	Review and Approval of Site Plans Periodic Site Inspections During Construction	Murrieta Fire Department			
SCHOOL FACILITIES							
SCH-1	Prior to the issuance of certificate of occupancy, individual project applicants shall submit evidence to the City of Murrieta that legally required school impact mitigation fees have been paid per the mitigation established by the applicable school district.	Prior to the Issuance of Certificate of Occupancy	Fee Payment Prior to Issuance of Certificate of Occupancy	City of Murrieta Planning Department			

the future of southern california
Murrieta
General Plan Update

Section 12.0

Comments and Responses

12.0 COMMENTS AND RESPONSES

12.1 CEQA REQUIREMENTS

Before approving a project, the *California Environmental Quality Act* (*CEQA*) requires the Lead Agency to prepare and certify a Final Environmental Impact Report (EIR).

In accordance with *CEQA Guidelines* Sections 15120 through 15132 and Section 15161, the City of Murrieta has prepared an EIR for the General Plan 2035 (SCH #2010111084). The Comments and Responses section, combined with the Draft EIR and Mitigation Monitoring Program, comprise the Final EIR.

The following is an excerpt from the *CEQA Guidelines* Section 15132, Contents of Final Environmental Impact Report:

The Final EIR shall consist of:

(a) The Draft EIR or a version of the draft.

(b) Comments and recommendations received on the Draft EIR either verbatim or in summary.

(c) A list of persons, organizations, and public agencies commenting on the Draft EIR.

(d) The responses of the Lead Agency to significant environmental points raised in the review and consultation process.

(e) Any other information added by the Lead Agency.

This Comments and Responses section includes all of the above-required components and shall be attached to the Final EIR. As noted above, the Final EIR will be a revised document that incorporates all of the changes made to the Draft EIR following the public review period.

12.2 PUBLIC REVIEW PROCESS – DRAFT EIR

The Draft EIR was circulated for review and comment to the public, agencies, and organizations. The Draft EIR was also circulated to State agencies for review through the State Clearinghouse, Office of Planning and Research. The 45-day public review period ran from February 8, 2010 to March 24, 2010. Comments received during the 45-day public review period from the public and local and State agencies on the Draft EIR have been incorporated into this section.

12.3 FINAL EIR

The Final EIR allows the public and Lead Agency an opportunity to review revisions to the Draft EIR, the responses to comments, and other components of the EIR, such as the Mitigation Monitoring Program, prior to approval of the project. The Final EIR serves as the environmental document to support a decision on the proposed project.

After completing the Final EIR, and before approving the project, the Lead Agency must make the following three certifications as required by *CEQA Guidelines* Section 15090:

- That the Final EIR has been completed in compliance with *CEQA*;
- That the Final EIR was presented to the decision-making body of the Lead Agency, and that the decision-making body reviewed and considered the information in the Final EIR prior to approving the project; and
- That the Final EIR reflects the Lead Agency's independent judgment and analysis.

Additionally, pursuant to *CEQA Guidelines* Section 15093(b), when a Lead Agency approves a project that would result in significant, unavoidable impacts that are disclosed in the Final EIR, the agency must submit in writing its reasons for supporting the approved action. This Statement of Overriding Considerations is supported by substantial information in the record, which includes the Final EIR. Since the proposed project would result in significant, unavoidable impacts, the Lead Agency would be required to adopt a Statement of Overriding Considerations if it approves the proposed project.

These certifications, the Findings of Fact, and the Statement of Overriding Considerations are included in a separate Findings document. Both the Final EIR and the Findings will be submitted to the Lead Agency for consideration of the proposed project.

12.4 WRITTEN COMMENT LETTERS AND RESPONSES

All correspondence from those agencies or individuals commenting on the Draft EIR is reproduced on the following pages. The individual comments on each letter have been consecutively numbered for ease of reference. Following each comment letter are responses to each numbered comment. A response is provided for each comment raising significant environmental issues. Added or modified text is underlined (example), while deleted text will have a strike out (~~example~~) through the text, and is included in a box, as the example below shows.

~~"Text from EIR"~~ Text from EIR

Comment Letters

A total of 19 written comment letters were received; 18 during the 45-day public review period and one following the close of the public review period.

A. Endangered Habitats League, dated February 17, 2011, received by City via email February 17, 2011

B. Rancho California Water District, dated March 16, 2011, received by City March 17, 2011

C. Native American Heritage Commission, dated March 17, 2011, received by City March 21, 2011

D. Department of Toxic Substances Control, dated March 21, 2011, received by City March 22, 2011

E. Pechanga Cultural Resources, dated March 22, 2011, received by City via email March 22, 2011

F. Regional Conservation Authority, dated March 24, 2011, received by City via email March 24, 2011

G. South Coast Air Quality Management District, dated March 24, 2011, received via email March 24, 2011

H. City of Menifee, dated March 24, 2011, received via email March 24, 2011 (also including March 9, 2011 letter with this)

I. Antelope Meadowlark 56, LLC, dated March 24, 2011, received by City March 28, 2011 (Received after close of 45-day review period)

J. Johnson & Sedlack, Attorneys at Law, received via email March 24, 2011

K. State Clearinghouse, dated March 25, 2011

L. MaryAnn Shusan Miller, dated March 8, 2011, received by City March 9, 2011

M. CQLM, dated March 9, 2011, received by City March 9, 2011

N. CQLM, dated March 15, 2011, received by City March 15, 2011

O. CQLM, dated March 23, 2011, received by City March 23, 2011

P. Michael O'Donnell, received at March 23, 2011 PC Hearing

Q. Mary Anne Lindsley, received at March 23, 2011 PC Hearing

R. Raul and Gayle Vergara, received at March 23, 2011 PC Hearing

S. CQLM, dated March 23, 2011 – revised March 24, 2011, received by City March 24, 2011

ENDANGERED HABITATS LEAGUE
DEDICATED TO ECOSYSTEM PROTECTION AND SUSTAINABLE LAND USE
EHL

February 17, 2011

Greg Smith, Associate Planner
City of Murrieta
Community Development Dept
1 Town Square
Murrieta CA 92562

RE: General Plan 2035 and DEIR

Dear Mr. Smith:

The Endangered Habitats League (EHL) appreciates the opportunity to comment on the Daft General Plan 2035 and its DEIR. For your reference, EHL is Southern California's only regional conservation group. For over a decade, EHL has been involved in the development and implementation of Western Riverside County's Multiple Species Habitat Conservation Plan (MSHCP) A-1

EHL supports the City's participation in MSHCP as the primary mechanism for mitigation of biological impacts associated with infrastructure and development. The MSHCP's benefits are reflected both in the draft General Plan 2035 goals and policies and in the City's environmental mitigation strategy in the DEIR for the Plan. A-2

The value of the MSHCP lies particularly in its mitigation of impacts on a project specific and cumulative basis. Through its participation, the City confers upon itself and third party landowner beneficiaries the time and cost-saving benefit of tiering off the MSHCP EIR/EIS to disclose, analyze and mitigate biological impacts. A-3

If the City were to withdraw from the MSHCP, a major revision to the General Plan and DEIR would be required, along with the development of alternative mitigation measures. Withdrawal would also have expensive and time-consuming ramifications for public and private beneficiaries, as impact analyses and mitigation strategies would need to be developed on a project-by-project basis. Such a decision would also irretrievably set back the region's efforts to preserve its natural heritage and quality of life. A-4

Please retain EHL on all mailing and distribution lists for this project.

Sincerely,

Dan Silver
Executive Director

8424-A SANTA MONICA BLVD., #592, LOS ANGELES, CA 90069-4267 • WWW.EHLEAGUE.ORG • PHONE 213.804.2750 • FAX 323.654.1931

A. RESPONSES TO COMMENTS FROM DAN SILVER, EXECUTIVE DIRECTOR, ENDANGERED HABITATS LEAGUE, DATED FEBRUARY 17, 2011.

A1. The comment letter acknowledges receipt of the Draft EIR, and the Endangered Habitats League's (EHL) role in the development and implementation of the Western Riverside County's Multiple Species Habitat Conservation Plan (MSHCP). The comment letter does not raise any issues with respect to the contents of the Draft General Plan 2035 or the Draft Environmental Impact Report (EIR), or any environmental issue regarding the proposed project, therefore, no further response is necessary.

A2. EHL supports the goals and policies in the Draft General Plan 2035 and the mitigation strategy discussed in the Draft EIR. This comment is acknowledged. No further response is necessary.

A3. EHL comments that the City's participation in the MSHCP provides time and cost savings to landowners through the use of tiering off both the MSCHP EIR/EIS and the Draft EIR to disclose, analyze and mitigate biological impacts. This comment is acknowledged. No further response is necessary.

A4. EHL notes the potential implications associated with the City withdrawing from the MSHCP. This comment is acknowledged. No further response is necessary.

COMMENT LETTER B

CITY OF MURRIETA
MAR 17 2011
RECEIVED
PLANNING DEPT.

Rancho Water

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Perry R. Louck
Director of Planning

Andrew L. Webster, P.E.
Chief Engineer

Kelli E. Garcia
District Secretary

James B. Gilpin
Best Best & Krieger LLP
General Counsel

March 16, 2011

Greg Smith, Associate Planner
City of Murrieta
Community Development Department
1 Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

SUBJECT: CITY OF MURRIETA GENERAL PLAN – PUBLIC REVIEW OF DRAFT GENERAL PLAN AND ENVIRONMENTAL IMPACT REPORT

Dear Mr. Smith:

Rancho California Water District (RCWD) appreciates the opportunity to provide comments for the Public Review of the Draft City of Murrieta General Plan and the Draft Environmental Impact Report (EIR). RCWD's comments are as follows:

GENERAL PLAN 2035

CHAPTER 3: LAND USE ELEMENT

Exhibit 3-5: the General Plan 2035 Land Use Policy Map should be revised to show all RCWD-owned property as Civic/Institutional land use. B-1

CHAPTER 5: CIRCULATION ELEMENT

Exhibit 5-10: the General Plan 2035 Circulation Map indicates a proposed secondary roadway, Hayes Avenue, between Elm Street and Cherry Street. This proposed roadway was not identified on previous City of Murrieta Circulation Maps and RCWD questions the purpose of this road to be constructed through RCWD property. B-2

CHAPTER 6: INFRASTRUCTURE ELEMENT

Pg. 6-2, Wastewater, 2nd paragraph: RCWD operates only one water reclamation plant within the City of Murrieta. RCWD had in the past operated two; however, one has been partially demolished and removed from service. B-3

CHAPTER 6: INFRASTRUCTURE ELEMENT

Pg. 6-3, Recycled Water, 2nd paragraph: Similar to EMWD, RCWD has a mandatory recycled water use ordinance requiring customers to use recycled water for appropriate permitted uses and is not limited to golf course and major park areas. B-4

CHAPTER 8: CONSERVATION ELEMENT

Pg. 8-3, Upper Santa Margarita Integrated Regional Water Management Plan: The following additional information in bold, italics, and underlined is suggested – "Through the IRWMP, stakeholders collaborate across jurisdictional boundaries to implement water resource management projects ***to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions***. These stakeholders include regional water agencies, flood control districts, ***water districts,*** counties, cities, ***land and nature conservancies, universities, Indian tribes, Camp Pendleton Marine Corps Base, and other*** federal, state, and local agencies." B-5

ENVIRONMENTAL IMPACT REPORT

SECTION 5.15: WATER SUPPLY

Section 5.15.1 Regulatory Setting, pg. 5-15.2, California Water Plan, 3rd paragraph: The Plan was last updated in 2009 and DWR is working on the next plan for 2013, which is called the 2013 California Water Plan Update. B-6

Section 5.15.1 Regulatory Setting, pg. 5-15.4, California Title 22 Drinking Water Standards, 1st paragraph, 2nd sentence: Recommend adding language to make it clear that monitoring of chemicals by water agencies is only required in the water supply. Example change: "...the monitoring of all regulated chemicals, as well as a number of unregulated chemicals, ***in the drinking water supply***, as required by Title 22, is conducted by water agencies in the upper watershed." B-7

Section 5.15.1 Regulatory Setting, pg. 5-15.5, Upper Santa Margarita Integrated Regional Water Management Plan, 2nd paragraph: Same general comment as above for Chapter 8: Conservation Element, Pg. 8-3 of the General Plan. Suggestion: "Through the IRWMP, regional water agencies, flood control districts, ***water districts,*** counties, cities, ***land and nature conservancies, universities, Indian tribes, Camp Pendleton Marine Corps Base,*** federal, state, local agencies, and other stakeholder groups collaborate across jurisdictional boundaries to implement water resource management projects ***to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions***." B-8

Section 5.15.1 Regulatory Setting, pgs. 5-15.5 and 5-15.6: WMWD and EMWD Urban Water Management Plans (UWMP) are discussed; RCWD's UWMP is not included, but should be. In addition, RCWD has prepared and adopted a Regional Integrated Resources Plan (IRP). Both documents should be briefly discussed. The following is suggested language for each: B-9

Rancho California Water District

URBAN WATER MANAGEMENT PLAN

Rancho California Water District (RCWD) provides retail water for urban and agricultural uses to the City of Temecula, portions of the City of Murrieta, and unincorporated Riverside County lands in the surrounding area. RCWD comprises approximately 100,000 acres (~156 square miles) in the southwestern portion of Riverside County, California.

The RCWD UWMP complies with the Urban Water Management Planning Act. The Plan provides an assessment of water sources and supply, reliability of supplies, water use efficiency measures, and water demand and supply comparison. In addition, recent legislation, the Water Conservation Bill of 2009, requires urban water suppliers to report in their UWMPs base daily per capita water use (baseline), urban water use targets for the year 2020, and interim water use targets for the year 2015. This information will be included in RCWD's 2010 UWMP Update, which is anticipated to be adopted by July 1, 2011.

REGIONAL INTEGRATED RESOURCES PLAN

RCWD prepared a Regional Integrated Resources Plan (IRP) to develop a long-range water supply plan to reliably meet the needs of the District through 2050. The IRP addresses issues of imported water supply availability, system capacity constraints, rising imported water costs, and water quality. The IRP evaluates and examines a set of water supply objectives against different water supply alternatives such as increased water conservation, additional groundwater storage and reuse, conversion of agriculture from imported water to untreated water or advanced-treated recycled water, groundwater recharge using advanced-treated recycled water, and water transfers. The evaluation resulted in a preferred plan to meet the objectives and resulted in the following benefits: 1) increased groundwater production; 2) increased use of recycled water; 3) reducing peak imported water demand; and 4) water supply cost efficiency through multiple measures. B-9

Section 5.15.2 Environmental Setting, Rancho California Water District, pg. 5-15.13: The discussion of RCWD's current service area should be corrected to 2010 data on the following items: 37 storage reservoirs; 48 groundwater wells, and 133,200 people are served (population) through 42,988 service connections. B-10

Data for Table 5.15-2 RCWD Planned Water Supplies are currently under development for the 2010 UWMP Update and will be available within the next few weeks. Early information shows the following, which is substantially different than that in the 2005 IRP as currently noted in the Public Review Draft EIR: B-11

RCWD Water Supply Source	2010	2015	2020	2025	2030	2035
Imported Water (MWD)						
Treated	37,214	45,527	50,723	52,131	52,577	54,375
Untreated[1]	16,500	16,500	16,500	16,500	16,500	16,500
Local Groundwater	25,000	26,000	26,000	26,000	26,000	26,000
Recycled Water	4,593	4,972	3,854	3,854	3,854	3,854
Total	**83,307**	**92,999**	**97,077**	**98,485**	**98,931**	**100,729**

Source: RCWD projection for average annual water demand in the 2010 UWMP Update.
1. Used for groundwater recharge, surface water discharge to the Santa Margarita River, and eastern service area agriculture (after conversion of system).

Section 5.15.4 Project Impacts and Mitigation Measures, Water Supply, pg. 5-15.19, 3rd paragraph: This paragraph should reference the 2010 UWMPs for each agency, since each agency is working on their 2010 UMWP Update and should be able to provide the city with current data for 2030 projections. Therefore, the total AF/Y for RCWD for the year 2030 should be changed to 98,931 to reflect the change in Table 5.15-2, as shown above. B-12

If you should have any questions or need additional information, please call me at this office at (951) 296-6900.

Sincerely,

RANCHO CALIFORNIA WATER DISTRICT

Andrew L. Webster, P.E.
Chief Engineer

cc: Warren Back, Engineering Planning Manager
Denise Landstedt, Water Resources Planner

11\AW:lm020\FEG

B. RESPONSES TO COMMENTS FROM ANDREW L. WEBSTER, P.E., CHIEF ENGINEER, RANCHO CALIFORNIA WATER DISTRICT, DATED MARCH 16, 2011.

B1. The Commentator has suggested the inclusion of all RCWD-owned property to be illustrated as Civic and Institutional Land Use on *Exhibit 3-5*, *General Plan 2035 Land Use Policy Map* of the Draft General Plan 2035. The City has no concerns with the proposed suggestion; however, it will be important that RCWD and the City work together to correctly identify and designate the RCWD-owned property. Therefore, revisions to *Exhibit 3-5* will be made in the Final General Plan 2035 and Final EIR.

B2. Refer to the Chapter 5, Circulation Element, pages 5-10 thru 5-11 of the Draft General Plan 2035. The future roadway network generally conforms to the previously adopted Circulation Element (2006). The extension of Hayes from Cherry Street to Elm Street was shown on the 2006 Circulation Element map. With the proposed General Plan 2035, the City has identified additional or new changes to the roadway network that have been incorporated into the travel demand model. Other changes in the model were made in order to reflect how the roadways generally function. Changes include Elm Street between Hayes Avenue and Washington Avenue; and Hayes Avenue between south City boundary and Elm Avenue, modeled as Secondary roadways. The location of Hayes Road on *Exhibit 5-10* in the Draft General Plan 2035 is an approximate location as an exact alignment has not yet been determined. The City will need to prepare alignment studies that will be available for review by RCWD and the public.

B3. The Commentator has suggested revising wording regarding the wastewater discussion within Chapter 6, Infrastructure Element, page 6-2 of the Draft General Plan 2035 as the wording is outdated. RCWD operates only one water reclamation plant within the City. In the past RCWD operated two plants; however, one has been partially demolished and removed from service. Text on page 6-2 of the Draft General Plan 2035 will be revised as follows in the Final General Plan 2035:

WASTEWATER

Wastewater collection for the City and Sphere of Influence areas is provided by the same four water districts that provide potable water: WMWD, EMWD, RCWD, and EVMWD. Only RCWD and EMWD provide wastewater treatment; RCWD operates ~~two~~ one water reclamation plant~~s~~ within the City of Murrieta. Wastewater flows from the other districts discharge into RCWD and EMWD interceptors for treatment.

B4. The Commentator has suggested revising wording regarding the recycled water discussion within Chapter 6, Infrastructure Element, page 6-3 of the Draft General Plan 2035. Similar to EMWD, RCWD has a mandatory recycled water use ordinance requiring customers to use recycled water for appropriate permitted uses and is not limited to golf course and major park areas. Text on page 6-3 of the Draft General Plan 2035 will be revised as follows in the Final General Plan 2035:

RECYCLED WATER

EMWD operates a recycled water system, with costs and responsibilities shared through an agreement with RCWD and EVMWD. RCWD and EMWD ~~has~~ have a mandatory recycled water use ordinance requiring customers to use recycled water for appropriate permitted uses~~, when it is available~~ and is not limited to golf course and major park areas. ~~RCWD also operates a recycled water system and seeks to provide tertiary treated wastewater to golf courses and major park areas.~~

B5. The Commentator has suggested revising wording regarding the Upper Santa Margarita Integrated Regional Water Management Plan discussion within Chapter 8, Conservation Element, page 8-3 of the Draft General Plan 2035. Text on page 8-3 of the Draft General Plan 2035 will be revised as follows in the Final General Plan 2035:

UPPER SANTA MARGARITA INTEGRATED REGIONAL WATER MANAGEMENT PLAN

The intent of the IRWMP is to enable greater watershed-wide coordination and management of water resources within the Santa Margarita Watershed as a whole, as well as adjoining watershed and regional planning and funding efforts. Through the IRWMP, stakeholders collaborate across jurisdictional boundaries to implement water resource management projects to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions. These stakeholders include regional water agencies; flood control districts; water districts; counties; cities; land and nature conservancies; universities; Indian tribes; Camp Pendleton Marine Corps Base; and other federal, state, and local agencies.

B6. The Commentator has suggested revising wording regarding the California Water Plan discussion within Section 5.15, Water Supply, page 5.15-2 of the Draft EIR. Text on page 5.15-2 of the Draft EIR will be revised as follows in the Final EIR:

STATE

California Water Plan

The Plan was last updated in ~~2005~~ 2009. The Department of Water Resources is ~~expected to approve a subsequent update in 2010~~ currently working on the 2013 California Water Plan Update.

B7. The Commentator has suggested the inclusion of language within Section 5.15, Water Supply, page 5.15-4 of the Draft EIR, to make it clear that monitoring of chemicals by water agencies is only required in the water supply. Text on page 5.15-4 of the Draft EIR will be revised as follows in the Final EIR:

> **California Title 22 Drinking Water Standards**
>
> *California Title 22* Drinking Water Standards (*Title 22*) incorporates the Federal requirements of the Safe Drinking Water Act, and compliance with *Title 22* is required by all water service providers. Therefore, the monitoring of all regulated chemicals, as well as a number of unregulated chemicals, in the drinking water supply, as required by *Title 22*, is conducted by water agencies in the upper watershed.

B8. Refer to Response B5. The Commentator has suggested revising wording regarding the Upper Santa Margarita Integrated Regional Water Management Plan discussion within Section 5.15, Water Supply, page 5.15-5 of the Draft EIR. Text on page 5.15-5 of the Draft EIR will be revised as follows in the Final EIR:

> **UPPER SANTA MARGARITA INTEGRATED REGIONAL WATER MANAGEMENT PLAN**
>
> The intent of the IRWMP is to pave the way for greater watershed-wide coordination and management of water resources within the Santa Margarita Watershed as a whole, as well as adjoining watershed and regional planning and funding efforts. Through the IRWMP, regional water agencies, flood control districts, water districts, counties, cities, land and nature conservancies, universities, Indian tribes, Camp Pendleton Marine Corps Base, federal, state, local agencies, and other stakeholder groups collaborate across jurisdictional boundaries to implement water resource management projects to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions. The IRWMP also provides an opportunity to provide information on the present and future needs of the watershed for the California Water Plan.

B9. The Commentator has suggested the inclusion of RCWD's UWMP and RCWD's IRP within Section 5.15, Water Supply, pages 5.15-5 thru 5.15-6. Text on pages 5.15-5 thru 5.15-6 of the Draft EIR will be revised as follows in the Final EIR:

> **Rancho California Water District**
>
> **URBAN WATER MANAGEMENT PLAN**
>
> RCWD provides retail water for urban and agricultural uses to the City of Temecula, portions of the City of Murrieta, and unincorporated Riverside County lands in the surrounding area. RCWD comprises approximately 100,000 acres (approximately 156

square miles) in the southwestern portion of Riverside County, California. The RCWD UWMP complies with the Urban Water Management Planning Act. The Plan provides an assessment of water sources and supply, reliability of supplies, water use efficiency measures, and water demand and supply comparison. In addition, recent legislation, the Water Conservation Bill of 2009, requires urban water suppliers to report in their UWMPs base daily per capita water use (baseline), urban water use targets for the year 2020, and interim water use targets for the year 2015. This information will be included in RCWD's 2010 UWMP Update, which is anticipated to be adopted by July 1, 2011.

REGIONAL INTEGRATED RESOURCES PLAN

RCWD prepared a Regional Integrated Resources Plan (IRP) to develop a long-range water supply plan to reliably meet the needs of the District through 2050. The IRP addresses issues of imported water supply availability, system capacity constraints, rising imported water costs, and water quality. The IRP evaluates and examines a set of water supply objectives against different water supply alternatives such as increased water conservation, additional groundwater storage and reuse, conversion of agriculture from imported water to untreated water or advanced-treated recycled water, groundwater recharge using advanced-treated recycled water, and water transfers. The evaluation resulted in a preferred plan to meet the objectives and resulted in the following benefits: 1) increased groundwater production; 2) increased use of recycled water; 3) reducing peak imported water demand; and 4) water supply cost efficiency through multiple measures.

B10. The Commentator has suggested revising the discussion regarding RCWD's current service area with 2010 data within Section 5.15, Water Supply, pages 5.15-13 as the quantities are outdated. Text on pages 5.15-13 of the Draft EIR will be revised as follows in the Final EIR:

As recently as 2010, RCWD's current service area represents 99,000 acres, and has 878 miles of water mains, ~~35~~ 37 storage reservoirs, one surface reservoir (Vail Lake), ~~53~~ 48 groundwater wells, and 133,200 people are served through ~~36,759~~ 42,988 service connections.[5]

[5] The environmental baseline for the EIR is 2009 as stated in Section 3.0, Project Description. However, the Rancho California Water District provided an update to the 2009 data presented in the Draft EIR with 2010 data that has been included in the Final EIR.

B11. The Commentator suggested revising *Table 5.15-2*, *Rancho California Water District Planned Water Supplies Acre-Feet/Year* within Section 5.15, Water Supply, page 5.15-13 as the numbers are currently under development for the 2010 UWMP Update but early information shows revised numbers. Text on page 5.15-13 of the Draft EIR will be revised as follows in the Final EIR:

Table 5.15-2
Rancho California Water District Planned Water Supplies Acre-Feet/Year[6]

Water Supply Sources	2010	2015	2020	2025	2030
Imported Water (MWD)					
Treated	~~39,310~~ 37,214	~~32,410~~ 45,527	~~20,010~~ 50,723	~~14,100~~ 52,131	~~20,700~~ 52,577
Untreated[1]	~~15,500~~ 16,500	~~28,500~~ 16,500	~~38,500~~ 16,500	~~38,500~~ 16,500	~~38,500~~ 16,500
Local Groundwater ~~Pumping~~	~~38,000~~ 25,000	~~38,000~~ 26,000	~~56,000~~ 26,000	~~56,000~~ 26,000	~~56,000~~ 26,000
Recycled Water	~~7,890~~ 4,593	~~9,090~~ 4,972	~~9,890~~ 3,854	~~24,300~~ 3,854	~~25,200~~ 3,854
Total	~~100,700~~ 83,307	~~108,000~~ 92,999	~~124,400~~ 97,077	~~132,000~~ 98,485	~~140,400~~ 98,931

Source: RCWD ~~Regional Integrated Resources Plan (CDM, 2005)~~ projection for average annual water demand in the 2010 UWMP Update.
1. Used for groundwater recharge, surface water discharge to the Santa Margarita River ~~flows to Gorge,~~ and eastern service area agriculture (after conversion of system).

The updated figures from *Table 5.15-2*, *Rancho California Water District Planned Water Supplies Acre-Feet/Year* would revise the conclusions within Section 5.15, Water Supply page 5.15-19 of the Draft EIR. Text on page 5.15-19 of the Draft EIR will be revised as follows in the Final EIR:

The 2005 UWMPs prepared for RCWD, EVMWD, WMWD, and EMWD indicate there are sufficient water supplies based on normal, dry, and multiple dry years and water shortage contingency plans to protect existing and future regional water needs through 2030. According to the UWMPs for each water district, the total planned water supply through 2030 for the RCWD, EVMWD, WMWD, and EMWD is ~~140,400~~ 98,931 AF/Y, 77,919 AF/Y, 241,649 AF/Y, and 245,200 AF/Y, respectively for a combined water supply of ~~705,168~~ 663,699 AF/Y; refer to *Table 5.15-2*, *Table 5.15-3*, *Table 5.15-4*, and *Table 5.15-5*. The City currently consumes approximately 39,179AF/Y[8] of water resources to meet all constituent existing demands; refer to *Table 5.15-1*. It is anticipated that water demand ~~would gradually increase~~ associated with implementation of the proposed General Plan 2035 would increase by ~~to~~ approximately 13,946.036 gpd or 15,632 AF/Y[9] in the year 2035; refer to *Table 5.15-6*, *Forecast Year 2035 Water Demand*. The proposed General Plan 2035 would require only ~~0.0222~~ 2.36 percent of the ~~anticipated~~ 2030 water supply from these four districts.

The updated figures from *Table 5.15-2*, *Rancho California Water District Planned Water Supplies Acre-Feet/Year* would revise the conclusions within Section 5.15, Water Supply page 5.15-21 of the Draft EIR. Text on page 5.15-21 of the Draft EIR will be revised as follows in the Final EIR:

> Future development would be reviewed by the City on a project-by-project basis to ensure adequate water supplies are available to accommodate future projects. The proposed General Plan 2035 Conservation Element includes goals and policies to ensure that a reliable water supply can be provided within the City's service area, while remaining sensitive to the climate. The proposed General Plan 2035 also includes goals and policies that promote water conservation through the use of reclaimed water and water conservation design and technology. Goal CSV-1 promotes conservation, protection, and management of water resources to meet long-term community needs, including surface waters, groundwater, imported water supplies, storm water, and waste water. Goal CSV-2 promotes compliance with requirements from the State and appropriate agencies regarding comprehensive water conservation measures to ensure sufficient water supplies for human consumption, sanitation, and fire protection. Residents and businesses in Murrieta will also need to play a role in using water resources efficiently, and this will be encouraged through education and incentives from the City and water agencies. With adherence to the proposed General Plan 2035 goals and policies and the City of Murrieta *Municipal Code Water Efficient Landscape Ordinance*, compliance with the UWMPs and Master Plans of all four water districts, coordination between the City and water districts and that ~~fact~~ Murrieta would only use ~~0.0222~~ 2.36 percent of the anticipated water from these four water districts, water supply and infrastructure impacts associated with the proposed General Plan 2035 would be reduced to a less than significant level.

The updated figures from *Table 5.15-2*, *Rancho California Water District Planned Water Supplies Acre-Feet/Year* would revise the conclusions within Section 5.15, Water Supply page 5.15-27 of the Draft EIR. Text on page 5.15-27 of the Draft EIR will be revised as follows in the Final EIR:

> Future development projects in Murrieta and the Sphere of Influence would be evaluated by the City, Riverside County, and applicable water district on a project-by-project basis to determine impacts to water supplies and infrastructure. The continued assessment of individual projects for impacts to the water supply system would assure projects would only be approved if adequate water supplies exist at the time of their implementation. New development would be required to pay its share of the costs of infrastructure improvements necessary to accommodate the project. Water districts will need to ensure their water reclamation facilities and pipeline infrastructure are planned and installed according to their UWMP projections. Additionally, coordination between the City and water districts will be essential as further development is planned. Furthermore, with adherence to the proposed General Plan 2035 goals and policies and the City of Murrieta *Municipal Code Water Efficient Landscape Ordinance*, compliance

with the UWMPs and Master Plans of all four water districts, coordination between the City and water districts and that fact Murrieta would only use ~~0.0222~~ 2.36 percent of the anticipated water from these four water districts, impacts regarding water supply, distribution, and infrastructure would be further reduced to less than significant levels. Therefore, implementation of the proposed General Plan 2035 would not result in cumulatively considerable water supply and infrastructure impacts.

B12. Refer to Response B11. No further response is necessary.

STATE OF CALIFORNIA Edmund G. Brown, Jr., Governor

NATIVE AMERICAN HERITAGE COMMISSION
915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-6251
Fax (916) 657-5390
Web Site www.nahc.ca.gov
ds_nahc@pacbell.net

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March 17, 2011

Mr. Greg Smith, Planner
CITY OF MURRIETA
1 Town Square (24601 Jefferson Avenue)
Murrieta, CA 90622

Re: SCH#2010111084; CEQA Notice of Completion; draft Environmental Impact Report (DEIR) for the: **"Murrieta General Plan Project;"** located in the City of Murrieta; Riverside County, California

Dear Mr. Smith:

The Native American Heritage Commission (NAHC), the State of California 'Trustee Agency' for the protection and preservation of Native American cultural resources. The NAHC wishes to comment on the above-referenced proposed Project.

This letter includes state and federal statutes relating to Native American historic properties of religious and cultural significance to American Indian tribes and interested Native American individuals as 'consulting parties' under both state and federal law. State law also addresses the freedom of Native American Religious Expression in Public Resources Code §5097.9. C-1

The California Environmental Quality Act (CEQA – CA Public Resources Code 21000-21177, amendments effective 3/18/2010) requires that any project that causes a substantial adverse change in the significance of an historical resource, that includes archaeological resources, is a 'significant effect' requiring the preparation of an Environmental Impact Report (EIR) per the CEQA Guidelines defines a significant impact on the environment as 'a substantial, or potentially substantial, adverse change in any of physical conditions within an area affected by the proposed project, including ...objects of historic or aesthetic significance." In order to comply with this provision, the lead agency is required to assess whether the project will have an adverse impact on these resources within the 'area of potential effect (APE), and if so, to mitigate that effect. The NAHC Sacred Lands File (SLF) search resulted in; **Native American cultural resources were identified** within the Sphere of Influence of the City of Murrieta.. The NAHC "Sacred Sites,' as defined by the Native American Heritage Commission and the California Legislature in California Public Resources Code §§5097.94(a) and 5097.96. Items in the NAHC Sacred Lands Inventory are confidential and exempt from the Public Records Act pursuant to California Government Code §6254.10. The absence of evidence of archaeological items does not indicate that they do not exist at the subsurface and/or when groundbreaking activity occurs. C-2

Early consultation with Native American tribes in your area is the best way to avoid unanticipated discoveries of cultural resources or burial sites once a project is underway. Culturally affiliated tribes and individuals may have knowledge of the religious and cultural significance of the historic properties in the project area (e.g. APE). We strongly urge that you make contact with the list of Native American Contacts on the attached list of Native American contacts, to see if your proposed project might impact Native American cultural resources and to C-3

obtain their recommendations concerning the proposed project. Consultation with Native American communities is also a matter of environmental justice as defined by California Government Code §65040.12(e). The NAHC recommends *avoidance* as defined by CEQA Guidelines §15370(a) to pursuing a project that would damage or destroy a Native American cultural resources.

Furthermore we recommend, also, that you contact the California Historic Resources Information System (CHRIS) for pertinent archaeological data within or near the APE, at (916) 445-7000 for the nearest Information Center in order to learn what archaeological fixtures may have been recorded in the APE.

C-3

Consultation with tribes and interested Native American consulting parties, on the NAHC list, should be conducted in compliance with the requirements of federal NEPA (42 U.S.C 4321-43351) and Section 106 and 4(f) of federal NHPA (16 U.S.C. 470 *et seq*), 36 CFR Part 800.3 (f) (2) & .5, the President's Council on Environmental Quality (CSQ, 42 U.S.C 4371 *et seq.* and NAGPRA (25 U.S.C. 3001-3013) as appropriate. The 1992 *Secretary of the Interiors Standards for the Treatment of Historic Properties* were revised so that they could be applied to all historic resource types included in the National Register of Historic Places and including cultural landscapes. Also, federal Executive Orders Nos. 11593 (preservation of cultural environment), 13175 (coordination & consultation) and 13007 (Sacred Sites) are helpful, supportive guides for Section 106 consultation.

C-4

Furthermore, Public Resources Code Section 5097.98, California Government Code §27491 and Health & Safety Code Section 7050.5 provide for provisions for accidentally discovered archeological resources during construction and mandate the processes to be followed in the event of an accidental discovery of any human remains in a project location other than a 'dedicated cemetery'.

C-5

To be effective, consultation on specific projects must be the result of an <u>ongoing relationship between Native American tribes and lead agencies,</u> project proponents and their contractors, in the opinion of the NAHC. Regarding tribal consultation, a relationship built around regular meetings and informal involvement with local tribes will lead to more qualitative consultation tribal input on specific projects.

C-6

The response to this search for Native American cultural resources is conducted in the NAHC Sacred Lands Inventory, established by the California Legislature (CA Public Resources Code 5097.94(a) and is exempt from the CA Public Records Act (c.f. California Government Code 6254.10) although Native Americans on the attached contact list may wish to reveal the nature of identified cultural resources/historic properties. Confidentiality of "historic properties of religious and cultural significance" may also be protected under Section 304 of he NHA or at the Secretary of the Interior discretion if not eligible for listing on the National Register of Historic Places. The Secretary may also be advised by the federal Indian Religious Freedom Act (cf. 42 U.S.C., 1996) in issuing a decision on whether or not to disclose items of religious and/or cultural significance identified in or near the APE and possibility threatened by proposed project activity.

If you have any questions about this response to your request, please do not hesitate to contact me at (916) 653-6251.

Sincerely,
Dave Singleton, Program Analyst

Cc: Stateclearinghouse

Attachment: Native American Contact List

Native American Contact List
Riverside County
March 17, 2011

Los Coyotes Band of Mission Indians
Francine Kupsch, Spokesperson
P.O. Box 189 Cahuilla
Warner , CA 92086
loscoyotes@earthlink.net
(760) 782-0711
(760) 782-2701 - FAX

Ramona Band of Cahuilla Mission Indians
Joseph Hamilton, Chairman
P.O. Box 391670 Cahuilla
Anza , CA 92539
admin@ramonatribe.com
(951) 763-4105
(951) 763-4325 Fax

Pala Band of Mission Indians
Tribal Historic Preservation Office
35008 PalaTemecula Rd, PMB Luiseno
Pala , CA 92059 Cupeno
sgaughen@palatribe.com
(760) 891-3500
(760) 742-1411 Fax

Santa Rosa Band of Mission Indians
Mayme Estrada, Chairwoman
P.O. Box 609 Cahuilla
Hemet , CA 92546
srbcioffice@yahoo.com
(951) 658-5311
(951) 658-6733 Fax

Pauma & Yuima Reservation
Randall Majel, Chairperson
P.O. Box 369 Luiseno
Pauma Valley CA 92061
paumareservation@aol.com
(760) 742-1289
(760) 742-3422 Fax

Morongo Band of Mission Indians
Michael Contreras, Cultural Heritage Prog.
12700 Pumarra Road Cahuilla
Banning , CA 92220 Serrano
(951) 201-1866 - cell
mcontreras@morongo-nsn.gov
(951) 922-0105 Fax

Pechanga Band of Mission Indians
Paul Macarro, Cultural Resource Center
P.O. Box 1477 Luiseno
Temecula , CA 92593
(951) 770-8100
pmacarro@pechanga-nsn.gov
(951) 506-9491 Fax

Pauma Valley Band of Luiseño Indians
Bennae Calac, Tribal Council Member
P.O. Box 369 Luiseno
Pauma Valley CA 92061
bennaecalac@aol.com
(760) 617-2872
(760) 742-3422 - FAX

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed SCH#2010111084; CEQA Notice of Completion; draft Environmental Impact Report (DEIR) for the Murrieta General Plan; City of Murrieta; Riverside County, California.

Native American Contact List
Riverside County
March 17, 2011

San Luis Rey Band of Mission Indians
Carmen Mojado, Co-Chair
1889 Sunset Drive Luiseno
Vista , CA 92081
(760) 724-2172 - FAX
cmojado@slrmissionindians.org
(760) 917-1736 - cell

Pauma & Yuima Reservation
Charles Devers, Cultural Committee
P.O. Box 369 Luiseno
Pauma Valley CA 92061
paumareservation@aol.com
(760) 742-1289
(760) 742-3422 Fax

Pechanga Band of Mission Indians
Mark Macarro, Chairperson
P.O. Box 1477 Luiseno
Temecula , CA 92593
tbrown@pechanga-nsn.gov
(951) 770-6100
(951) 695-1778 Fax

Cahuilla Band of Indians
Luther Salgado, Sr., , Chairperson
PO Box 391760 Cahuilla
Anza , CA 92539
tribalcouncil@cahuilla.net
915-763-5549

Willie J. Pink
48310 Pechanga Road Luiseno
Temecula , CA 92592
wjpink@hotmail.com
(909) 936-1216
Prefers e-mail contact

Pechanga Cultural Resources Department
Anna Hoover, Cultural Analyst
P.O. Box 2183 Luiseño
Temecula , CA 92593
ahoover@pechanga-nsn.gov
951-770-8100
(951) 694-0446 - FAX

La Jolla Band of Mission Indians
ATTN: Rob Roy,Environmental Director
22000 Highway 76 Luiseno
Pauma Valley CA 92061
lajolla-sherry@aol.com and
(760) 742-3790
(760) 742-1704 Fax

SOBOBA BAND OF LUISENO INDIANS
Joseph Ontiveros, Cultural Resource Department
P.O. BOX 487 Luiseno
San Jacinto , CA 92581
jontiveros@soboba-msn.gov
(951) 663-5279
(951) 654-5544, ext 4137

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed SCH#2010111084; CEQA Notice of Completion; draft Environmental Impact Report (DEIR) for the Murrieta General Plan; City of Murrieta; Riverside County, California.

C. RESPONSES TO COMMENTS FROM DAVE SINGLETON, PROGRAM ANALYST, NATIVE AMERICAN HERITAGE COMMISSION, DATED MARCH 17, 2011.

C1. The comment letter acknowledges receipt of the Draft EIR. No further response is necessary.

C2. The Commentator requests that project-related impacts on historical resources and archaeological resources are assessed per *CEQA – CA Public Resources Code 21000-21177*, amendments effective 3/18/2010. As part of the preparation of the environmental analysis in the Draft EIR, the *Cultural Resources Assessment*, dated January 4, 2010, was prepared by LSA Associates, Inc. The *Cultural Resources Assessment* includes Records Search Results prepared by the Eastern Information Center (EIC) and a review of the Riverside Historic Properties Directory and the Murrieta Historical Resources Inventory Update. The findings and results of the records search and review are summarized in Section 5.9, Cultural Resources, and included in their entirety in Appendix I, Cultural Resources Existing Conditions Report. Section 5.9, Cultural Resources of the Draft EIR adequately addresses the environmental considerations cited in the comment letter.

C3. The proposed project involves an update to the General Plan, and thus tribal consultation is required pursuant to Senate Bill (SB) 18 and *Government Code* Section 65352.3. Consultation with Native American communities is also a matter of environmental justice as defined by *California Government Code* 65040.12(e). The Native American Heritage Commission was contacted to investigate whether any Native American resources are located within the vicinity of the City of Murrieta. The Native American Heritage Commission provided contact names for eight tribes:

Los Coyotes Band of Mission Indians
Francine Kupsh, Spokesperson
P.O. Box 189
Warner, CA 92086

Pala Band of Mission Indians
Tribal Historic Preservation Office
35008 Pala Temecula Road
Pala, CA 92059

Pauma & Yuima Reservation
Randall Majel, Chairperson
P.O. Box 369
Pauma Valley, CA 92061

Pechanga Band of Mission Indians
Paul Macarro, Cultural Resource Center
P.O. Box 1477
Temecula, CA 92593

Ramona Band of Cahuilla Mission Indians
Joseph Hamilton, Chairman
P.O. Box 391670
Anza, CA 92539

Santa Rosa Band of Mission Indians
Mayme Estrada, Chairwoman
P.O. Box 609
Hemet, CA 92546

Morongo Band of Mission Indians
Michael Contreras, Cultural Heritage Program
12700 Pumarra Road
Banning, CA 92229

Pauma Valley Band of Luiseno Indians
Bennae Calac, Tribal Council Member
P.O. Box 369
Pauma Valley, CA 92061

Letters were sent to 14 tribes in August 2010 to solicit their input on protecting and/or mitigating impacts on any cultural places or sacred lands in the City, in accordance with *Government Code* Section 65352.3. The City had a consultation meeting with the Pechanga Tribe on January 5, 2011, as well as received a written response dated December 3, 2010 from the Tribe within the 90-day period during which a tribe may respond and request a consultation advising how any cultural resources and Areas of Traditional Use may be best protected. To address the comments raised by the Pechanga Tribe, specific policies were developed and included in the Conservation Element of the General Plan 2035. In addition, the City scheduled several consultation meetings with the Soboba Band of Luiseno Indian Tribe in December 2010; however, the meetings had to be cancelled due to other commitments. The City has asked the Soboba Tribe about scheduling a future consultation meeting, but none had been scheduled as of May 23, 2011.

C4. Section 5.9, Cultural Resources, page 5.9-24 adequately describes the potential impacts and mitigation measures related to the discovery of human remains. If human remains were found, those remains would require proper treatment, in accordance with applicable laws. State of California *Public Resources Health and Safety Code* Sections 7050.5-7055 describe the general provisions for human remains. Specifically, H*ealth and Safety Code*

Section 7050.5 describes the requirements if any human remains are accidentally discovered during excavation of a site. In addition, the requirements and procedures set forth in *California Public Resources Code* Section 5097.98 would be implemented. If human remains are found during excavation, excavation must stop in the vicinity of the find and any area that is reasonably suspected to overlie adjacent remains until the County coroner has been called out, and the remains have been investigated and appropriate recommendations have been made for the treatment and disposition of the remains.

C5. Comment acknowledged. No further response is necessary.

C6. Comment acknowledged. No further response is necessary.

Department of Toxic Substances Control

Linda S. Adams
Acting Secretary for
Environmental Protection

Leonard E. Robinson
Acting Director
5796 Corporate Avenue
Cypress, California 90630

Edmund G. Brown Jr.
Governor

March 21, 2011

Mr. Greg Smith
City of Murrieta Community Development Department
1 Town Square
Murrieta, California 92562

NOTICE OF COMPLETION & ENVIRONMENTAL IMPACT REPORT (EIR) FOR CITY OF MURRIETA GENERAL PLAN UPDATE (SCH # 2010111084)

Dear Mr. Smith:

The Department of Toxic Substances Control (DTSC) has received your submitted Notice of Availability of the Environmental Impact Report for the above-mentioned project. The following project description is stated in your document: "The General Plan 2035 is a comprehensive update of the 1994 General Plan, which includes an update of existing elements, as well as the addition of two elements. The General Plan 2035 comprises the following State mandated and optional elements: Land Use; Economic Development; Circulation; Healthy Community; Conservation; Recreation and Open Space; Air Quality; Noise; Safety; and Housing (updated and adopted as part of a separate process).

Major components of the General Plan 2035 include: D-1

- Update of existing conditions, with year 2009 serving as the baseline year.
- Update of General Plan development projections to the year 2035. Projections for population, employment, residential, and non-residential development have been updated for the projected horizon year.
- Additions, deletions, or modifications to the 1994 and 2006 General Plan goals, policies, and implementation.
- Update the Land Use Element with reorganized and new land use designations. This includes separating the City's currently combined Land Use and Zoning Map into two separate maps. The General Plan Land Use Policy Map will provide broad land use categories and the Zoning Map, which is being updated

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separately from the General Plan 2035, will define specific uses and development standards.

- Amendment of the remaining General Plan Elements to reflect current conditions and account for development projections to year 2035". D-1

Based on the review of the submitted document DTSC has the following comments:

1) The EIR should evaluate whether conditions within the project area may pose a threat to human health or the environment. Following are the databases of some of the regulatory agencies:

   - National Priorities List (NPL): A list maintained by the United States Environmental Protection Agency (U.S.EPA).
   - Envirostor (formerly CalSites): A Database primarily used by the California Department of Toxic Substances Control, accessible through DTSC's website (see below).
   - Resource Conservation and Recovery Information System (RCRIS): A database of RCRA facilities that is maintained by U.S. EPA.
   - Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS): A database of CERCLA sites that is maintained by U.S.EPA. D-2
   - Solid Waste Information System (SWIS): A database provided by the California Integrated Waste Management Board which consists of both open as well as closed and inactive solid waste disposal facilities and transfer stations.
   - GeoTracker: A List that is maintained by Regional Water Quality Control Boards.
   - Local Counties and Cities maintain lists for hazardous substances cleanup sites and leaking underground storage tanks.
   - The United States Army Corps of Engineers, 911 Wilshire Boulevard, Los Angeles, California, 90017, (213) 452-3908, maintains a list of Formerly Used Defense Sites (FUDS).

2) The EIR should identify the mechanism to initiate any required investigation and/or remediation for any site that may be contaminated, and the government D-3

agency to provide appropriate regulatory oversight. If necessary, DTSC would require an oversight agreement in order to review such documents. D-3

3) Any environmental investigations, sampling and/or remediation for a site should be conducted under a Workplan approved and overseen by a regulatory agency that has jurisdiction to oversee hazardous substance cleanup. The findings of any investigations, including any Phase I or II Environmental Site Assessment Investigations should be summarized in the document. All sampling results in which hazardous substances were found above regulatory standards should be clearly summarized in a table. All closure, certification or remediation approval reports by regulatory agencies should be included in the EIR. D-4

4) If buildings, other structures, asphalt or concrete-paved surface areas are being planned to be demolished, an investigation should also be conducted for the presence of other hazardous chemicals, mercury, and asbestos containing materials (ACMs). If other hazardous chemicals, lead-based paints (LPB) or products, mercury or ACMs are identified, proper precautions should be taken during demolition activities. Additionally, the contaminants should be remediated in compliance with California environmental regulations and policies. D-5

5) Future project construction may require soil excavation or filling in certain areas. Sampling may be required. If soil is contaminated, it must be properly disposed and not simply placed in another location onsite. Land Disposal Restrictions (LDRs) may be applicable to such soils. Also, if the project proposes to import soil to backfill the areas excavated, sampling should be conducted to ensure that the imported soil is free of contamination. D-6

6) Human health and the environment of sensitive receptors should be protected during any construction or demolition activities. If necessary, a health risk assessment overseen and approved by the appropriate government agency should be conducted by a qualified health risk assessor to determine if there are, have been, or will be, any releases of hazardous materials that may pose a risk to human health or the environment. D-7

7) If it is determined that hazardous wastes are, or will be, generated by the proposed operations, the wastes must be managed in accordance with the California Hazardous Waste Control Law (California Health and Safety Code, Division 20, Chapter 6.5) and the Hazardous Waste Control Regulations (California Code of Regulations, Title 22, Division 4.5). If it is determined that hazardous wastes will be generated, the facility should also obtain a United States Environmental Protection Agency Identification Number by contacting (800) 618-6942. Certain hazardous waste treatment processes or hazardous materials, handling, storage or uses may require authorization from the local D-8

Certified Unified Program Agency (CUPA). Information about the requirement for authorization can be obtained by contacting your local CUPA. D-8

8) DTSC can provide cleanup oversight through an Environmental Oversight Agreement (EOA) for government agencies that are not responsible parties, or a Voluntary Cleanup Agreement (VCA) for private parties. For additional information on the EOA or VCA, please see www.dtsc.ca.gov/SiteCleanup/Brownfields, or contact Ms. Maryam Tasnif-Abbasi, DTSC's Voluntary Cleanup Coordinator, at (714) 484-5489. D-9

If you have any questions regarding this letter, please contact me at ashami@dtsc.ca.gov, or by phone at (714) 484-5472.

Sincerely,

Al Shami
Project Manager
Brownfields and Environmental Restoration Program

cc: Governor's Office of Planning and Research
State Clearinghouse
P.O. Box 3044
Sacramento, California 95812-3044
state.clearinghouse@opr.ca.gov

CEQA Tracking Center
Department of Toxic Substances Control
Office of Environmental Planning and Analysis
P.O. Box 806
Sacramento, California 95812
ADelacr1@dtsc.ca.gov

CEQA # 3142

D. RESPONSES TO COMMENTS FROM AL SHAMI, PROJECT MANAGER, DEPARTMENT OF TOXIC SUBSTANCES CONTROL, DATED MARCH 21, 2011.

D1. The comment letter acknowledges receipt of the Draft EIR. This comment does not raise any issues with respect to the contents of the Draft General Plan 2035 or the Draft Environmental Impact Report (EIR), or any environmental issue regarding the proposed project, therefore, no further response is necessary.

D2. Because this project entails an update to the General Plan and proposes no specific development project, the Draft EIR appropriately took a city-wide approach as opposed to site-specific project level approach to environmental analysis. Until the individual footprints of development projects are proposed, it is difficult to determine the precise nature, location, and severity of contamination that may exist within any specific "project area". Refer to Section 5.14-7, Hazards and Hazardous Materials, pages 5.14-7 thru 5.14-13 for reported regulatory properties. RBF Consulting searched the City and its Sphere of Influence on the EnviroStor Database which resulted in one listed regulatory property and 35 hazardous materials sites located within the boundaries of the City. Refer to *Table 5.14-1, DTSC & Geo Tracker Identified Regulatory Sites Within Murrieta* on pages 5.14-8 thru 5.14-10 for a detailed listing of the property and refer to *Exhibit 5.14-1, Regulatory Sites Within Murrieta* for the location of the listed regulatory property. In accordance with Mitigation Measure HHM-3, the City will require individual development projects to confirm the presence or absence of hazardous materials pertaining to the release of hazardous materials into the soil, surface water, and/or groundwater. If necessary, the development shall undergo site characterization and remediation on a project-by-project basis, per applicable Federal, State, and/or local standards and guidelines set by the applicable regulatory agency.

D3. Refer to Response D2. In addition, Draft EIR pages 5.14-17 through 5.14-19, 5.14-21, and 5.14-22 through 5.14-23 identify the applicable policies and mitigation measures related to hazardous materials. The nature of the contamination generally dictates which agency will assume regulatory oversight. If contamination is discovered during the site investigation and/or any subsequent grading activity, these are numerous state law provisions that require notification of regulatory agencies of this discovery. To the extent that the City become aware of any contamination, the City would notify the proper agencies, which would presumably be the mechanism to initiate a more formal investigation and potential remediation activity. The General Plan policies and mitigation measure HHM-3 provide a process for investigating and remediating hazardous materials.

D4. To the extent that individual site investigations disclose the need for a Work Plan, the Work Plan will be prepared in accordance with State law requirements. All findings of investigations were summarized in the document. Refer to Responses D2 and D3 relating to the Draft EIRs program-level analysis.

D5. Refer to Responses D2 and D3.

D6. Refer to Responses D2 and D3.

D7. Refer to Responses D2 and D3.

D8. Refer to Responses D2 and D3.

D9. This comment is acknowledged. No further response is necessary.

PECHANGA CULTURAL RESOURCES
Temecula Band of Luiseño Mission Indians

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Chairperson:
Germaine Arenas

Vice Chairperson:
Mary Bear Magee

Committee Members:
Evie Gerber
Darlene Miranda
Bridgett Barcello Maxwell
Aurelia Marruffo
Richard B. Scearce, III

Director:
Gary DuBois

Coordinator:
Paul Macarro

Cultural Analyst:
Anna Hoover

Monitor Supervisor:
Jim McPherson

March 22, 2011

VIA E-MAIL and USPS

Mr. Greg Smith
Associate Planner
City of Murrieta Community Development Dept
1 Town Square
Murrieta, CA 92562

Re: Pechanga Tribe Comments on the Notice of Availability/Completion of the Draft Environmental Impact Report for the City of Murrieta General Plan 2035

Dear Mr. Smith:

This comment letter is written on behalf of the Pechanga Band of Luiseño Indians (hereinafter, "the Tribe"), a federally recognized Indian tribe and sovereign government. The Tribe formally requests, pursuant to Public Resources Code §21092.2, to be notified and involved in the entire CEQA environmental review process for the duration of the above referenced project (the "Project").

If you have not already, please add the Tribe to your distribution list(s) for public notices and circulation of all documents, including environmental review documents, archeological reports, and all documents pertaining to this Project. The Tribe further requests to be directly notified of all public hearings and scheduled approvals concerning this Project. Please incorporate these comments into the record of approval for this Project as well. E-1

The Tribe submits these comments concerning the potential impacts to cultural resources that may occur during future developments which are guided by the City's General Plan and in conjunction with the environmental review of the Project. The Tribe thanks the City for the ongoing consultation throughout the General Plan update process and requests to continue the consultation per SB18 requirements

THE CITY OF MURRIETA MUST INCLUDE INVOLVEMENT OF AND CONSULTATION WITH THE PECHANGA TRIBE IN ITS ENVIRONMENTAL REVIEW PROCESS

It has been the intent of the Federal Government[1] and the State of California[2] that Indian tribes be consulted with regard to issues which impact cultural and spiritual resources, as well as other governmental concerns. The responsibility to consult with Indian tribes stems from the unique government-to-government relationship between the United States and Indian tribes. This arises when tribal interests are affected by the actions of governmental agencies and departments. In this case, it is undisputed that the project lies within the Pechanga Tribe's traditional territory. Therefore, in order to comply with CEQA and other applicable Federal and California law, it is imperative that the City of Murrieta consult with the Tribe in order to guarantee an adequate basis of knowledge for an appropriate evaluation of the Project effects, as well as generating adequate mitigation measures. E-2

PECHANGA CULTURAL AFFILIATION TO PROJECT AREA

The Pechanga Tribe has a legal and cultural interest in the proper protection of sacred places and all Luiseño cultural resources. The Tribe is concerned about both the preservation of unique and irreplaceable cultural resources, such as sacred sites, Luiseño village sites and archaeological items which would be displaced by development, and on the proper and lawful treatment of cultural items, Native American human remains and sacred items likely to be discovered in the course of development and improvements within the City.

The Pechanga Tribe asserts that the entirety of the City of Murrieta is within the Tribe's aboriginal territory as evidenced by the existence of Luiseño place names, *tóota yixélval* (rock art, pictographs, petroglyphs), and extensive Luiseño artifact records. This culturally sensitive area is affiliated with the Pechanga Band of Luiseño Indians because of the Tribe's cultural ties to this area as well as our extensive history on projects within the City. Because of our knowledge of this area, the Pechanga Tribe has traditionally been the City's consulting and lead-designated Tribe. E-3

The Pechanga Tribe's knowledge of our ancestral boundaries is based on reliable information passed down to us from our elders; published academic works in the areas of anthropology, history and ethno-history; and through recorded ethnographic and linguistic accounts. Of the many anthropologists and historians who have presented boundaries of the Luiseño traditional territory, none have excluded the Murrieta area from their descriptions (Sparkman 1908; Kroeber 1925; White 1963; Harvey 1974; Oxendine 1983; Smith and Freers

[1] See e.g., Executive Memorandum of April 29, 1994 on Government-to-Government Relations with Native American Tribal Governments, Executive Order of November 6, 2000 on Consultation and Coordination with Indian Tribal Governments, Executive Memorandum of September 23, 2004 on Government-to-Government Relationships with Tribal Governments, and Executive Memorandum of November 5, 2009 on Tribal Consultation.
[2] See California Public Resource Code §5097.9 et seq.; California Government Code §§65351, 65352.3 and 65352.4

1994), and such territory descriptions correspond almost identically with that communicated to the Pechanga people by our elders. While historic accounts and anthropological and linguistic theories are important in determining traditional Luiseño territory, the most critical sources of information used to define our traditional territories are our songs, creation accounts, and oral traditions.

Luiseño history originates with the creation of all things at *'éxva Teméeku*, the present day City of Temecula, and dispersing out to all corners of creation (what is today known as Luiseño territory). It was at Temecula that the Luiseño deity *Wuyóot* lived and taught the people, and here that he became sick, finally expiring at Lake Elsinore. Many of our songs relate the tale of the people taking the dying *Wuyóot* to the many hot springs at Elsinore, where he died (DuBois 1908). He was cremated at *'éxva Teméeku*. It is the Luiseño creation account that connects Elsinore to Temecula, and thus to the Temecula people who were evicted and moved to the Pechanga Reservation, now known as the Pechanga Band of Luiseño Mission Indians (the Pechanga Tribe). This connection between Elsinore and Temecula also includes Murrieta as an important location for passage between these Cities as well as a known location for subsistence resources and a system of significant villages.

Many traditions and stories are passed from generation to generation by songs. One of the Luiseño songs recounts the travels of the people to Elsinore after a great flood (DuBois 1908). From here, they again spread out to the north, south, east and west. Three songs, called *Monívol*, are songs of the places and landmarks that were destinations of the Luiseño ancestors, which are located either in western Riverside County or northern San Diego County. They describe the exact route of the Temecula (Pechanga) people and the landmarks made by each to claim title to places in their migrations (DuBois 1908:110). E-3

In addition, Pechanga elders state that the Temecula/Pechanga people had usage/gathering rights to an area extending from Rawson Canyon on the east, over to Lake Mathews on the northwest, down Temescal Canyon to Temecula, eastward to Aguanga, and then along the crest of the Cahuilla range back to Rawson Canyon. The Native American Heritage Commission (NAHC) Most Likely Descendent (MLD) files substantiate this habitation and migration record from oral tradition. These examples illustrate a direct correlation between the oral tradition and the physical place; proving the importance of songs and stories as a valid source of information outside of the published anthropological data.

Tóota yixélval (rock art) is also an important element in the determination of Luiseño territorial boundaries. *Tóota yixélval* can consist of petroglyphs (incised) elements, or pictographs (painted) elements. The science of archaeology tells us that places can be described through these elements. Riverside and Northern San Diego Counties are home to red-pigmented pictograph panels. Archaeologists have adopted the name for these pictograph-versions, as defined by Ken Hedges of the Museum of Man, as the San Luis Rey style. The San Luis Rey style incorporates elements which include chevrons, zig-zags, dot patterns, sunbursts, handprints, net/chain, anthropomorphic (human-like) and zoomorphic (animal-like) designs. Tribal

historians and photographs inform us that some design elements are reminiscent of Luiseño ground paintings. A few of these design elements, particularly the flower motifs, the net/chain and zig-zags, were sometimes depicted in Luiseño basket designs and can be observed in remaining baskets and textiles today.

An additional type of *tóota yixélval*, identified by archaeologists also as rock art or petroglyphs, are cupules. Throughout Luiseño territory, there are certain types of large boulders, taking the shape of mushrooms or waves, which contain numerous small pecked and ground indentations, or cupules. Additionally, according to historian Constance DuBois:

> When the people scattered from Ekvo Temeko, Temecula, they were very powerful. When they got to a place, they would sing a song to make water come there, and would call that place theirs; or they would scoop out a hollow in a rock with their hands to have that for their mark as a claim upon the land. The different parties of people had their own marks. For instance, Albañas's ancestors had theirs, and Lucario's people had theirs, and their own songs of Munival to tell how they traveled from Temecula, of the spots where they stopped and about the different places they claimed (1908:158).

E-3

Thus, our songs and stories, our indigenous place names, as well as academic works, demonstrate that the Luiseño people who occupied what we know today as the City of Murrieta are ancestors of the present-day Luiseño/Pechanga people, and as such, Pechanga is culturally affiliated to this geographic area.

The Tribe has over thirty-five (35) years of experience in working with various types of construction projects throughout western Riverside County and the City of Murrieta. The combination of this knowledge and experience, along with the knowledge of the culturally-sensitive areas and oral tradition, is what the Tribe relies on to make fairly accurate predictions regarding the likelihood of subsurface resources in a particular location. The Tribe has been involved with almost all development projects throughout the City of Murrieta including the existing Golden City Specific Plan and Physicians Hospital Project; Linnel Lane; Lincoln Ranch; Copper Canyon; Greer Ranch; the Ivy Street and Guava Street Bridge Projects; the Wynfield Projects; the Murrieta Hot Springs Road Widening; Murrieta 18 and 30; Murrieta Vista High School; Murrieta Fire Station #5 and North Murrieta Business Park Projects. Moreover, Pechanga was named MLD for discovery of human remains on at least two projects within west Murrieta and has been the designated/lead Tribe exclusively within the City boundaries for many years.

E-4

The Tribe welcomes the opportunity to meet with the City to further explain and provide documentation concerning our specific cultural affiliation to lands within your jurisdiction.

COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT REPORT AND DRAFT GENERAL PLAN 2035

The Tribe has received and reviewed the February 2011 Draft Environmental Impact (DEIR) Report and February 2011 Draft General Plan as provided by the City of Murrieta. The Tribe has concerns with Section 5.9 Cultural Resources (p 5.9-9) of the DEIR which was based on the January 2010 archaeological assessment.[3] Primarily, there is incorrect information presented regarding the Luiseño that lived in the Murrieta area that was taken from the original General Plan. This information has since been updated by current research conducted by the Tribe. Unfortunately, the Tribe was not provided the opportunity to review this portion of the DEIR prior to its release in order to revise and update this portion of the document. Our suggested changes are below (strikeouts are deletions and underlines are additions):

> **Paleo-Indian Period.** Archaeological research and tribal oral traditions in the Murrieta-Temecula area suggests that prehistoric occupation of the valley dates back thousands of years. There are a number of long-term ~~prehistoric sites~~ village complexes and habitation sites located in Murrieta, which are valuable resources. The ~~carvings and other signs left in local rocks and boulders~~ remnants of early villages as well as the local rock art and ethnographic accounts provide an important record of Murrieta's early occupation by Native Americans.

The archaeological assessment provides a thorough description of the various chronologies of the Murrieta area. It also stresses that the term "Shoshonean" is no longer used in regards to the Luiseño as they are a Takic speaking peoples unrelated to the existing Shoshonean desert tribes of the east.[4] The Late period information in this section was adapted from the archaeological study (Appendix I). Additionally, the Luiseño terms have been updated to reflect the most current information the Tribe has researched. E-5

> ~~**Shoshonean Period.** Luiseño and Cahuilla groups of the Southern California Shoshone Indian Tribe entered into the area sometime after 1500 and settled at various sites along streams throughout the Murrieta-Temecula area. These Payomik Kowichum, as they were called before the Mission Era, were a hunting-gathering people. Two Payomik settlements are believed to have been located in Murrieta: Avaxat, referring to the cottonwoods of Murrieta Creek, was located just west of the creek near present-day Ivy Street, while Toatwi was located near Los Alamos and Winchester Road.~~
>
> **Late Period.** It is generally assumed that the Late Period began approximately AD 500–750, and its termination is widely accepted as AD 1769, the date of the beginning of permanent European occupation of California. The Luiseño Peoples occupied the Murrieta-Temecula area and called themselves *Payómkawichum* before the influx of European settlers and

[3] Appendix I: *Cultural Resources Assessment,* LSA Associates, Inc, January 4, 2010
[4] Ibid, page 16

> the Mission Period. There are also many Luiseño place names within the Murrieta area. Several village complexes were located within the City's boundaries; one that has been definitively identified by the Tribe is *Qéngva*, which is in the southwest part of Murrieta. To the north of *Qéngva* is *'avàa'ax,* referring to the cottonwood trees along Murrieta Creek. To the east is "The Owls' Nest" or *Múuta Putée',* which is located on what residents know as the Hogbacks in the Los Alamos area. Flowing beside these prominent hills to the south is the Santa Gertrudis River or *Tótpa,* a very important water source.

Additionally, within the American Period Section (p 5.9-11), the last paragraph should be revised to read:

> One exception to the community's dominant agricultural identity was the regionally-popular Murrieta Hot Springs. Located along present Murrieta Hot Springs Road just east of I-215, the mineral-rich springs have been used by people for thousands of years. The Luiseño called the springs ~~Cherukanukna Hakiwuna~~ *Churúukunuknu Haki'wuna* and their extensive use of the springs is reflected in the numerous habitation sites and artifacts identified nearby. Non-Indian visitors in the late 19th century determined <u>what the Luiseño already knew about the springs</u>, that the springs had healing properties, and Murrieta Hot Springs became part of a rapidly growing network of Southern California destinations for health-seekers. Etc…

E-5

Within the Historic/Archaeological Resources Section (p 5.9-11), the Tribe requests the following modifications:

At the end of the first paragraph: "…Other indicators of former occupancy may include pottery, human skeletal remains and body adornments (i.e. shell or bone beads, jewelry). <u>Cultural resources can also include oral traditions, ethnographic accounts, traditional songs and stories, and places important for the continuation of traditional beliefs and practices.</u>

<u>PROJECT IMPACTS TO CULTURAL RESOURCES AND REQUESTED TRIBAL INVOLVEMENT AND MITIGATION</u>

While the Tribe disputes that there are only 199 documented cultural resources within the City of Murrieta, the Tribe believes that implementation of this General Plan could impact not only known resources but subsurface and/or unknown resources as well. The City of Murrieta is located in a highly sensitive region of Luiseño territory. The Tribe concurs with the DEIR in that "[g]round-disturbing activities associated with subsequent development of land within the City could unearth previously unknown archaeological resources."[5] The possibility for recovering subsurface resources during future proposed ground-disturbing activities is high. The Tribe has

E-6

[5] DEIR, February 2011. Section 5.9, p5.9-20

over thirty-five (35) years of experience in working with various types of construction projects throughout its territory. The combination of this knowledge and experience, along with the knowledge of the culturally-sensitive areas and oral tradition, is what the Tribe relies on to make fairly accurate predictions regarding the likelihood of subsurface resources in a particular location. E-6

The Tribe is highly concerned about inadvertent discoveries which are foreseeable impacts and should be appropriately mitigated for within the General Plan, its policies and all planning documents. To assist with this goal, the Tribe believes that the identification of surface resources during an archaeological survey should not be the sole determining factor in deciding whether mitigation measures for inadvertent discoveries on future projects are required. The cultural significance of the area should play a large part in determining whether specifications concerning unanticipated discoveries should be included and this information should be provided by the people whose ancestors lived in this area, namely the Pechanga Tribe. Additionally, the Tribe believes that the potential for inadvertent discoveries increases because of the known resources in the area, not just within the Project boundaries. Often this 'landscape' approach' is not addressed in archaeological studies although it is a very important component when addressing cultural resources and the potential impacts caused by a proposed project. This should also be addressed in City-wide planning documents, policies and ordinances adopted by the City. E-7

The CEQA Guidelines state that lead agencies should make provisions for inadvertent discoveries of cultural resources (CEQA Guidelines §15064.5). The Tribe believes that adequate cultural resources assessments and management must always include a component which addresses inadvertent discoveries. Every major State and Federal law dealing with cultural resources includes provisions addressing inadvertent discoveries (See e.g.: CEQA (Cal. Pub. Resources Code §21083.2(i); 14 CCR §1506a.5(f)); Section 106 (36 CFR §800.13); NAGPRA (43 CFR §10.4). Moreover, most state and federal agencies have guidelines or provisions for addressing inadvertent discoveries (See e.g.: FHWA, Section 4(f) Regulations - 771.135(g); CALTRANS, Standard Environmental Reference - 5- 10.2 and 5-10.3). Such cultural resources and artifacts are significant to the Tribe as they are reminders of their ancestors. Moreover, the Tribe is expected to protect and assure that all cultural sites of its ancestors are appropriately treated in a respectful manner. Therefore, as stated in CSV-11.5, the Tribe requests to be consulted and involved with the development of any new City policies or ordinances that impact cultural and archaeological resources as well as project specific environmental documents, conditions of approval and mitigation measures that could impact both known and unknown sensitive resources. E-8

PROJECT MITIGATION MEASURES

The Pechanga Tribe thanks the City of Murrieta for the continued consultation on this Project and for including our recommended changes in the draft policies. At this time, the Tribe agrees with the policies for cultural resources presented in the February 2011 Draft E-9

Environmental Impact (DEIR) Report and February 2011 Draft General Plan as provided by the City of Murrieta. As the General Plan Update moves ahead, the Pechanga Tribe requests, as the Tribe with a well-documented prehistory in the area, a long history of working with the City, as well as the Tribe with the most knowledge of the cultural importance of the City to the Luiseño people, that the City continue to consult with Pechanga on the important issues raised by this process. E-9

The Tribe reserves the right to continue to fully participate in the environmental review process, as well as to provide further comment on the General Plan policies and cultural language. Further, the Tribe reserves the right to participate in the regulatory process and provide comment on issues pertaining to the regulatory process and Project approval.

The Pechanga Tribe looks forward to working together with the City of Murrieta in developing adequate guidance and policies for protecting the invaluable Pechanga cultural resources found in the City. Please feel free to contact me at 951-770-8100 X8104 once you have had a chance to review these comments in the event you have any questions or comments. Thank you. E-10

Sincerely,

Anna Hoover
Cultural Analyst

Cc Pechanga Office of the General Counsel

E. RESPONSES TO COMMENTS FROM ANNA HOOVER, CULTURAL ANALYST, PECHANGA CULTURAL RESOURCES, DATED MARCH 22, 2011.

E1. The comment letter acknowledges receipt of the Draft EIR. The proposed project involves an update to the General Plan, and thus tribal consultation is required and is taking place pursuant to Senate Bill (SB) 18 and *Government Code* Section 65352.3. The City of Murrieta has, and will continue to consult with the Pechanga Band of Luiseno Indians (Tribe). No further response is necessary.

E2. Refer to Response E1. No further response is necessary

E3. The Commentator is providing background information about the Pechanga Tribe and its history in Murrieta. This comment is acknowledged. No further response is necessary.

E4. This comment is acknowledged. This comment does not raise any issues with respect to the contents of the Draft General Plan 2035 or the Draft Environmental Impact Report (EIR), or any environmental issue regarding the proposed project, therefore, no further response is necessary.

E5. The Commentator has suggested revising the discussion regarding the Paleo-Indian Period within Section 5.9, Cultural Resources, pages 5.9-8 thru 5.9-10 as the language is outdated. Text on pages 5.9-8 thru 5.9-10 of the Draft EIR will be revised as follows in the Final EIR:

> **Paleo-Indian Period.** Archaeological research and tribal oral traditions in the Murrieta-Temecula area suggests that prehistoric occupation of the valley dates back thousands of years. There are a number of long-term ~~prehistoric sites~~ village complexes and habitation sites located in Murrieta, which are valuable resources. The ~~carvings and other signs left in local rocks and boulders~~ remnants of early villages as well as the local rock art and ethnographic accounts provide an important record of Murrieta's early occupation by Native Americans.

The Commentator has suggested removing the Shoshonean Period discussion within Section 5.9, Cultural Resources, page 5.9-9 and replacing with a discussion of the Late Period. Text on page 5.9-9 of the Draft EIR will be revised as follows in the Final EIR:

> ~~**Shoshonean Period.** Luiseño and Cahuilla groups of the Southern California Shoshone Indian Tribe entered into the area sometime after 1500 and settled at various sites along streams throughout the Murrieta-Temecula area. These Payomik Kowichum, as they were called before the Mission Era, were a hunting-gathering people. Two Payomik settlements are believed to have been located in Murrieta: Avaxat, referring to the cottonwoods of Murrieta Creek, was located just west of the creek near present-day Ivy Street, while Toatwi was located near Los Alamos and Winchester Road.~~

Late Period. It is generally assumed that the Late Period began approximately AD 500 to 750, and its termination is widely accepted as AD 1769, the date of the beginning of permanent European occupation of California. The Luiseno Peoples occupied the Murrieta-Temecula area and called themselves Payomkawichum before the influx of European settlers and the Mission Period. There are also many Luiseno place names within the Murrieta area. Several village complexes were located within the City's boundaries; one that has been definitively identified by the Tribe is Qengva, which is in the southwest part of Murrieta. To the north of Qengva is 'avaa'ax, referring to the cottonwood trees along Murrieta Creek. To the east is the "The Owls' Nest" or Muula Putee, which is located on what residents know as the Hogbacks in the Los Alamos area. Flowing beside these prominent hills to the south is the Santa Gertrudis River or Totpa, a very important water source.

The Commentator has suggested revising the discussion regarding the American Period within Section 5.9, Cultural Resources, page 5.9-11. Text on page 5.9-11 of the Draft EIR will be revised as follows in the Final EIR:

One exception to the community's dominant agricultural identity was the regionally-popular Murrieta Hot Springs. Located along present Murrieta Hot Springs Road just east of I-215, the mineral-rich springs have been used by people for thousands of years. The Luiseño called the springs ~~Cherukanukna Hakiwuna~~ Churuukunuknu Haki'wuna and their extensive use of the springs is reflected in the numerous habitation sites and artifacts identified nearby. Non-Indian visitors in the late 19th century determined what the Luiseno already know about the springs, that the springs had healing properties, and Murrieta Hot Springs became part of a rapidly growing network of Southern California destinations for health-seekers.

The Commentator has suggested revising the discussion regarding the Historic/Archaeological Resources within Section 5.9, Cultural Resources, page 5.9-11. Text on page 5.9-11 of the Draft EIR will be revised as follows in the Final EIR:

Cultural resources are represented by the material remnants of human activity in an area and can be either prehistorical (aboriginal/native American) or historical (European and Euro-American). Although not necessarily of cultural significance per *CEQA*, cultural remains are considered to be of cultural concern if they are at least 50 years old. Such resources may include midden (ashy or greasy dark soil indicating former occupation); ground stone tools and milling features; rock shelters; rock art (petroglyphs); rock features (cairns, stone walls); quarries; trails; and, ecofactual material (faunal remains, fire-affected rocks). Other indicators of former occupancy may include pottery, human skeletal remains, and body adornments (i.e. shell or bone beads, jewelry). Cultural resources can also include oral traditions, ethnographic accounts, traditional songs and stories, and places important for the continuation of traditional beliefs and practices.

E6. The Commentator disputes that there are only 199 documents cultural resources within the City of Murrieta. The findings and results of the records search and review are summarized in Section 5.9, Cultural Resources, and included in their entirety in Appendix I, Cultural Resources Existing Conditions Report. A records search at the Eastern Information Center (EIC), located in the Department of Anthropology at the University of California, Riverside, indicated that 330 cultural resource studies have been conducted within the City and the Sphere of Influence, resulting in the identification of a total of 199 documented cultural resources. Previous studies within the City and the Sphere of Influence consist mainly of cultural resource assessments, survey reports, and archaeological test excavations. The documented resources within the City and the Sphere of Influence include more than 75 separate milling features in bedrock, 36 milling artifacts, 53 sites with lithic artifacts (flakes, points, debitage), five sites with rock art, nine possible prehistoric campsites or habitation sites, three possible prehistoric quarries, seven built resources, and 11 historic archaeological sites (trash scatters, habitation remains). Furthermore, all future development projects would be required to comply with all applicable Federal, State, and local regulations concerning the preservation of historic resources. The significance of each of these resources was not identified, and instead requires consideration on a site- or resource-specific basis. No further responses are necessary.

E7. The City acknowledges the Tribe's concern about inadvertent discoveries, but is unclear as to the purpose and intent of additional General Plan policies or EIR mitigation measures the Tribe is interested in including to address their concern. The General Plan goals and policies and EIR mitigation measures reflect standard study protocols conduct studies and compliance with State laws and regulations.

E8. This comment is acknowledged. No further response is necessary.

E9. This comment is acknowledged. No further response is necessary.

E10. This comment is acknowledged. The City of Murrieta has, and will continue to consult/work with the Pechanga Band of Luiseno Indians (Tribe). No further response is necessary.

Regional Conservation Authority
Western Riverside County

Board of Directors

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March 24, 2011

Greg Smith
City of Murrieta
Community Development Department
One Town Square
24601 Jefferson Avenue
Murrieta, California 90622

RE: PUBLIC REVIEW MURRIETA GENERAL PLAN UPDATE AND PROGRAM EIR – FEBRUARY 2011

Dear Mr. Smith,

The WRC Regional Conservation Authority (RCA) appreciates the opportunity to comment on the City's Draft General Plan Update. The RCA is the joint powers authority, which the City of Murrieta is a member of, responsible for implementation of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). F-1

The Draft General Plan and DEIR accurately document the City's reliance on the MSHCP for species take on public and private development if the MSHCP's provisions are implemented as required by the Implementing Agreement (IA). If the City maintains consistency with the MSHCP on a project by project basis the MSHCP provides the mitigation for direct, indirect and cumulative impacts to biological resources under the California Environmental Quality Act. F-2

The RCA appreciates the continued efforts that the City has made to continue to implement the MSHCP, and looks forward to receiving a copy of your response to our comments during the Final EIR process.

Sincerely,

Charles Landry
Executive Director

F. RESPONSES TO COMMENTS FROM CHARLES LANDRY, EXECUTIVE DIRECTOR, REGIONAL CONSERVATION AUTHORITY, DATED MARCH 24, 2011.

F1. The comment letter acknowledges receipt of the Draft EIR and that the Regional Conservation Authority, which the City of Murrieta is a member, is a joint powers authority responsible for implementation of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP).

F2. The comment letter notes that the Draft General Plan 2035 and Draft EIR accurately document the City's reliance on the MSHCP for species take on public and private development if the MSHCP's provisions are implemented as required by the Implementing Agreement (IA). The comment letter does not raise any issues with respect to the contents of the Draft General Plan 2035 or the Draft Environmental Impact Report (EIR), or any environmental issue regarding the proposed project, therefore, no further response is necessary.

F3. This comment is acknowledged. In compliance with *CEQA* Section 21092.5(a), the Regional Conservation Authority will receive written responses to comments 10 days prior to certification of the Final EIR.

COMMENT LETTER G

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • www.aqmd.gov

E-Mailed: March 24, 2011 March 24, 2011
generalplan@murrieta.org

Mr. Greg Smith – Associate Planner
City of Murrieta
Community Development Department
Murrieta, CA 92562

Review of the Draft Environmental Impact Report (Draft EIR)
for the Proposed General Plan 2035

The South Coast Air Quality Management District (AQMD) appreciates the opportunity to comment on the above-mentioned document. The following comments are meant as guidance for the lead agency and should be incorporated into the final Environmental Impact Report (final EIR) as appropriate. G-1

The AQMD staff is concerned that the proposed project places sensitive land uses (i.e., hospital, residential and park uses) within 500 feet of the I-215 Freeway. Specifically, the AQMD staff is concerned about the potential health risk impacts from toxic air pollutants emitted by the significant volume of traffic on the I-215 Freeway. Therefore, the lead agency should revise the draft EIR to include mitigation that precludes sensitive land uses within 500 feet of the I-215 Freeway. Further, AQMD staff recommends that pursuant to Section 15370 of the California Environmental Quality Act (CEQA) Guidelines additional mitigation measures are considered to minimize the project's significant air quality impacts. Details regarding these comments are attached to this letter. G-2

Pursuant to Public Resources Code Section 21092.5, AQMD staff requests that the lead agency provide the AQMD with written responses to all comments contained herein prior to the adoption of the Final EIR. Further, staff is available to work with the lead agency G-3

to address these issues and any other questions that may arise. Please contact Dan Garcia, Air Quality Specialist CEQA Section, at (909) 396-3304, if you have any questions regarding the enclosed comments. G-3

Sincerely,

Ian MacMillan
Program Supervisor, CEQA Inter-Governmental Review
Planning, Rule Development & Area Sources

Attachment

IM:DG

RVC110208-05
Control Number

Health Risk Impacts

1. Based on the project description (i.e., chapter three) in the draft EIR the proposed project includes land use changes that will place sensitive land uses (i.e., residential, park and hospital uses) within 500 feet of the I-215 Freeway. As a result, the AQMD staff is concerned about the potential health risk impacts from toxic air pollutants emitted by the significant volume of traffic on the 215 Freeway. Therefore, the lead agency should include mitigation in the final EIR that prohibits residential development within 500 feet[1] of the I-215 Freeway to minimize potential significant health risk impacts. G-4

Mitigation Measures for Construction Air Quality Impacts

2. Given that the lead agency concluded that the proposed project will have significant air quality impacts the AQMD staff recommends that the lead agency provide additional mitigation pursuant to CEQA Guidelines §15370. Specifically, AQMD staff recommends that the lead agency minimize or eliminate significant adverse air quality impacts by adding the mitigation measures provided below. G-5

   - Provide temporary traffic controls such as a flag person, during all phases of construction to maintain smooth traffic flow,
   - Provide dedicated turn lanes for movement of construction trucks and equipment on- and off-site,
   - Reroute construction trucks away from congested streets or sensitive receptor areas,
   - Appoint a construction relations officer to act as a community liaison concerning on-site construction activity including resolution of issues related to PM10 generation,
   - Improve traffic flow by signal synchronization, and ensure that all vehicles and equipment will be properly tuned and maintained according to manufacturers' specifications,
   - Use coatings and solvents with a VOC content lower than that required under AQMD Rule 1113,
   - Construct or build with materials that do not require painting,
   - Require the use of pre-painted construction materials,
   - Require the use of 2010 and newer diesel haul trucks (e.g., material delivery trucks and soil import/export),
   - During project construction, all internal combustion engines/construction equipment operating on the project site shall meet EPA-Certified Tier 2 emissions standards, or higher according to the following:

[1] Based on the recommendations for siting new sensitive land uses on page four of the "Air Quality and Land Use Handbook: A Community Health Perspective."

- ✓ Project Start, to December 31, 2011: All offroad diesel-powered construction equipment greater than 50 hp shall meet Tier 2 offroad emissions standards. In addition, all construction equipment shall be outfitted with the BACT devices certified by CARB. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 2 or Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations.

- ✓ January 1, 2012, to December 31, 2014: All offroad diesel-powered construction equipment greater than 50 hp shall meet Tier 3 offroad emissions standards. In addition, all construction equipment shall be outfitted with BACT devices certified by CARB. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations.

- ✓ Post-January 1, 2015: All offroad diesel-powered construction equipment greater than 50 hp shall meet the Tier 4 emission standards, where available. In addition, all construction equipment shall be outfitted with BACT devices certified by CARB. Any emissions control device used by the contractor shall achieve emissions reductions that are no less than what could be achieved by a Level 3 diesel emissions control strategy for a similarly sized engine as defined by CARB regulations. G-6

- ✓ A copy of each unit's certified tier specification, BACT documentation, and CARB or SCAQMD operating permit shall be provided at the time of mobilization of each applicable unit of equipment.

- ✓ Encourage construction contractors to apply for AQMD "SOON" funds. Incentives could be provided for those construction contractors who apply for AQMD "SOON" funds. The "SOON" program provides funds to accelerate clean up of off-road diesel vehicles, such as heavy duty construction equipment. More information on this program can be found at the following website: http://www.aqmd.gov/tao/Implementation/SOONProgram.htm

For additional measures to reduce off-road construction equipment, refer to the mitigation measure tables located at the following website: www.aqmd.gov/ceqa/handbook/mitigation/MM_intro.html.

Mitigation Measures for Operational Air Quality Impacts

3. The lead agency's operational air quality analysis demonstrates significant air quality impacts from all criteria pollutant emissions including NOx, SOx, CO, VOC, PM10 and PM2.5 emissions. These impacts are primarily from an increase in mobile source emissions related to a significant increase of vehicle trips associated with the G-7

proposed project. However, the lead agency fails to adequately address this large increase in mobile source emissions. Specifically, the lead agency does not require any mitigation measures in the draft EIR and only proposes the adoption of nominal goals and policies in the General Plan 2035 document to address mobile source emissions reductions. Therefore, the lead agency should re-evaluate and reduce the project's significant air quality impacts by reviewing and incorporating transportation mitigation measures from the ICLEI-Local Governments for Sustainability protocol in the final EIR. G-7

4. Upon review of the Climate Action Plan provided in Appendix P of the draft EIR it appears that the lead agency quantified the project's greenhouse gas (GHG) emission reductions based on the implementation of a set of future land use, energy and mobile source policies applicable to the proposed project. For example, the lead agency assumes that the land use policy LU-6 (i.e., encourage job retention and attraction) will result in an annual GHG emission reduction of 11.14% or 52,288 metric tons CO2. However, the lead agency does not specify any performance standards to ensure that the proposed project actually achieves an annual 11.14% or 52,288 metric tons of GHG reduction annually by 2020. Therefore, the lead agency should revise the analysis in the draft EIR to ensure that enforceable measures are in place to reduce GHG emissions consistent with the reductions identified in Table 5.6-5 of the draft EIR and the aforementioned Climate Action Plan. It would seem from the description of the proposed GHG reductions in Table 5.6-5 that every new project will be required to have a net decrease in GHG emissions, but without enforceable measures this may not be achievable. G-8

G. RESPONSES TO COMMENTS FROM MR. IAN MACMILLAN, PROGRAM SUPERVISOR, CEQA INTER-GOVERNMENTAL REVIEW, SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, DATED MARCH 24, 2011.

G1. This comment contains introductory or general information. Refer to Response G2 through G8. No further response is necessary.

G2. The Commentator is requesting mitigation to preclude residential development within 500 feet of Interstate 215 (I-215) to minimize potential health risk impacts based on guidelines from the California Air Resources Board (CARB). It should be noted that the General Plan 2035 would not modify land uses so that sensitive receptor populations would be located closer to the freeway. Also, the Loma Linda University Medical Center is not located within 500 feet of a freeway.

The analysis identifies General Plan 2035 Policy AQ-2.4, which requires following the guidance within CARB's Land Use and Air Quality Handbook and current environmental health research for determining safe locations for sensitive receptors. Additionally, General Plan 2035 Policy AQ-2.2 recommends avoiding locating new homes, schools, childcare and eldercare facilities, and health care facilities within 500 feet of freeways. These policies are consistent with the CARB guidelines and future development projects would be required to be consistent with the recommended guidance. If future development projects are found to be inconsistent, mitigation would be required to reduce impacts to a less than significant level.

G3. The Commentator requests that written responses are provided to all comments prior to the adoption of the Final EIR. The City of Murrieta is fully complying with the requirements of the *California Environmental Quality Act* (*CEQA*) Section 21092.5, and will be preparing written responses to environmental comments provided to the City during the 45-day public review period. In compliance with *CEQA*, all public agencies will be provided written responses to their comments 10-days prior to certification of the Final EIR. In addition, both the Planning Commission and City Council will have the "Comments and Responses" section of the Final EIR for their review and consideration prior to taking any action on the Final EIR.

G4. This comment reiterates the comments regarding health risk above. Refer to Response G2.

G5. The Commentator is requesting construction mitigation to be added into the Final EIR. The air quality analysis in included in Section 5.5 of the Draft EIR, which is a programmatic document that analyzes proposed land use changes and anticipated growth within the City. As such, the construction analysis does not review a specific development project. Future development projects would require individual CEQA

review where specific impacts would be determined and necessary mitigation would be identified.

The construction mitigation measures that are provided in this comment include compliance with SCAQMD Rules and Regulations (e.g., Rule 1113 and Rule 403) and other relevant guidance. The Draft EIR includes General Plan Policies AQ-3.1 and AQ-3.2, which require compliance with current SCAQMD rules, regulations, and thresholds, and implementation of all SCAQMD best management practices. General Plan 2035 Policy AQ-3.3 requires Best Available Control Measures for projects that exceed SCAQMD thresholds. Additionally, General Plan 2035 Policy AQ-3.4 requires a construction management plan that includes Best Available Control Measures and other control measures for projects that exceed SCAQMD thresholds. It should be noted that a majority of the goals and policies within the General Plan were drawn from the *Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning* (May 6, 2005), prepared by the SCAQMD. Future development projects would be required to comply with all applicable SCAQMD rules and regulations.

G6. These mitigation measures indicate the timing that certain EPA and CARB Certified emissions standards are required for off-road construction equipment. These standards apply to future development projects in the City and become more stringent in the future. General Plan 2035 Policy AQ-3.3 requires all construction equipment to comply with CARB's vehicle standards. The applicability of these measures for individual development projects would be determined as part of the project-specific CEQA review.

The last mitigation measure recommends participation in the SCAQMD Surplus Off-Road Opt-In for NO_X (SOON) program. The SOON program provides funding assistance to applicable fleets for the purchase of commercially-available low-emission heavy-duty engines to achieve near-term reduction of NO_X emissions from in-use off-road diesel vehicles. As described above, the Draft EIR identifies General Plan 2035 Goals and Policies that require compliance with SCAQMD rules and recommendations as well as the implementation of Best Available Control Measures, which would include participation in the SOON program.

G7. The Draft EIR provides an emissions inventory for criteria pollutants within the City for area and mobile source categories during General Plan 2035 potential buildout conditions. The emissions inventory does not include emissions from individual development projects. It should be noted that the SCAQMD does not have criteria pollutant thresholds for General Plans or programmatic level analyses and that the criteria pollutant thresholds do not apply to cumulative development or multiple projects.

The Draft EIR identifies several General Plan 2035 Goals and Policies that would reduce operational emissions. For example, the proposed General Plan 2035 establishes the City's mobility goals by providing improved local and regional transit services as well as a connected, balanced, and integrated transportation system of bicycle and pedestrian

networks. Such alternatives to automotive transportation can be greatly utilized to reduce mobile source emissions. The Draft EIR includes General Plan 2035 Goal AQ-4 and Policies AQ-4.1 through AQ-4.4, which would reduce vehicle miles traveled (VMT) and associated mobile source emissions through job creation and the improvement of the jobs/housing balance within the City, as well as the encouragement of a mix of housing types located near job opportunities. Policy AQ-5.1 encourages employers to implement transportation demand management (TDM) measures (i.e., transit subsidies, bicycle facilities, telecommuting, etc.).

Future site-specific development proposals would be evaluated for potential air emissions once development details have been determined and are available. Future development projects would be required to be consistent with the Goals and Policies in the General Plan. If future development projects are found to be inconsistent, mitigation would be required to reduce impacts to a less than significant level.

G8. The emissions reductions from Policy LU-6 that are calculated in the Climate Action Plan (CAP) are based on a proposed land use change in the General Plan 2035. The City is an ICLEI member and the CAP was prepared in accordance with guidance and consultation from ICLEI. General Plan 2035 Goal AQ-4 and Policy LU-6 reinforce the City's objective to provide a balance of jobs and housing that serve the needs of the community. The environmental review for future development projects would include a consistency analysis with the General Plan 2035 Goals and Policies. Projects that are found not to be consistent with the General Plan 2035 Goals and Policies would require mitigation. Additionally, per *CEQA Guidelines* Section 15064.4, future projects would be required to comply with the policies of the CAP and reduce greenhouse gas (GHG) emissions in order to achieve the City's reduction goal. Future development would be required to identify compliance with the CAP and the reduction goal. Mitigation would be required for future projects that are not compliant with the CAP.

COMMENT LETTER H

CITY OF MENIFEE

Planning Department

Carmen Cave · Community Development Director

Wallace W. Edgerton
Mayor

Fred Twyman
Vice Mayor

John V. Denver
Councilmember

Darcy Kuenzi
Councilmember

Thomas Fuhrman
Councilmember

March 24, 2011

Greg Smith
City of Murrieta
One Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

RE: Public Review of Draft Environmental Impact Report for the Murrieta General Plan 2035

Dear Mr. Smith:

Thank you for providing the City of Menifee the opportunity to review the Draft Environmental Impact Report (DEIR) for the City of Murrieta's General Plan 2035. Review of the Environmental Impact Report indicates that there will be significant traffic impacts to intersections within the City of Menifee. The City is particularly concerned with the impacts to the intersection of Scott Road and Menifee Road, current traffic assumptions for existing levels of service at the Scott Road Interchange, the exclusion of an analysis of impacts to the intersection of Scott Road and Antelope Road.. H-1

The Planning Department is also concerned with impacts in the change of land uses adjacent to J-Bar Ranch within the North Murrieta Business Corridor Focus Area. It is recommended that a policy be provided to the Land Use Element under the North Murrieta Business Corridor Focus Area regarding buffering or sensitivity to the existing rural residential enclave. H-2

We request that a meeting be scheduled with your staff and Menifee's staff to discuss the traffic impacts and possible policy addition. The City of Menifee reserves the right to comment further on these and other portions of the EIR.

Staff looks forward to the opportunity to work with the City of Murrieta to address these concerns and to fully comment on the proposed project. Please forward any subsequent environmental documents or public hearing notices regarding the project to my attention at 29714 Haun Road, Menifee CA 92586. I can be contacted at (951) 672-6777 or lgordon@cityofmenifee.us for meeting scheduling or any questions or comments. H-3

Sincerely,

City of Menifee Planning Department

Lisa Gordon, Senior Planner

29714 Haun Road
Menifee, CA 92586
Phone 951.672.6777
Fax 951.679.3843
www.cityofmenifee.us

CITY OF MENIFEE

Planning Department

Carmen Cave · Community Development Director

Wallace W. Edgerton
Mayor

Fred Twyman
Vice Mayor

John V. Denver
Councilmember

Darcy Kuenzi
Councilmember

Thomas Fuhrman
Councilmember

March 9, 2011

Greg Smith
City of Murrieta
One Town Square
24601 Jefferson Avenue
Murrieta, CA 90622

RE: City of Menifee Planning Department Comments on General Plan Amendment 2009-2841

Dear Mr. Smith:

The City of Menifee Planning Department has received the notice for the March 9, 2011 public hearing before the Planning Commission on General Plan Amendment 2009-2841 (General Plan 2035). At this time the City of Menifee is in the process of reviewing the Draft EIR that was prepared for the project and which is currently in the public review stage (45 day public review from February 8, 2011 to March 24, 2011).

The City of Menifee may have comments on the project, but will provide those comments after the City has completed our review of the Draft Environmental Impact Report that was prepared for the project. The City of Menifee reserves the right to comment further on the project and Environmental Impact Report.

Thank you again for the sending the public hearing notice. Please forward any subsequent environmental documents or public hearing notices regarding the project to my attention at this office.

Sincerely,

City of Menifee Planning Department

Lisa Gordon, Senior Planner

29714 Haun Road
Menifee, CA 92586
Phone 951.672.6777
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www.cityofmenifee.us

CITY OF MURRIETA
MAR 10 2011
RECEIVED
PLANNING DEPT

H. RESPONSES TO COMMENTS FROM LISA GORDON, SENIOR PLANNER, CITY OF MENIFEE, DATED MARCH 24, 2011.

H1. The comment letter acknowledges receipt of the Draft EIR. The Commentator expressed concern the following: 1) the intersection of Scott Road and Menifee Road, 2) current traffic assumptions for existing levels of service at the Scott Road Interchange, and 3) the exclusion of an analysis of impacts to the intersection of Scott Road and Antelope Road. Each of these concerns is discussed below.

Scott Road/Menifee Road Intersection Impacts

The Draft EIR does analyze the Scott Road/Menifee Road intersection. As shown on Table 5.4-8 on page 5.4-31 of the Draft EIR, the existing level of service in both the AM and PM is B. As shown on Table 5.4-11, the General Plan 2035 level of service is E in the AM, and F in the PM. Enhanced intersections geometrics are recommended for the intersection; however even with the recommendations, the level of service is E in both the AM and PM. This was concluded to be a significant unavoidable impact.

Traffic Assumptions for Existing Levels of Service on Scott Road

Circulation Element Modeling Methodology

For the Murrieta General Plan 2035 and Draft EIR, the traffic analysis assessed existing and future conditions within the City boundaries. Traffic volumes used in the Murrieta General Plan update traffic study were developed through the use of a travel demand model, which is specific to the City of Murrieta, and consistent with the Riverside County Traffic Analysis Model (RivTAM), and the Southern California Association of Governments (SCAG) travel demand model. RivTAM is a regional transportation model for Riverside County that utilizes Riverside County Projections and Southern California Association of Governments (SCAG) Regional Transportation Plan (RTP) demographic growth projections. The general plans of local jurisdictions serve as input to the growth forecast work and the adopted RTP. Use of RivTAM for modeling a city's general plan update is an acceptable method, as it accounts for land uses depicted in local cities' general plans and regional growth forecasts.

The development of the Murrieta focused travel demand model is based on the Year 2008 Riverside Traffic Analysis Model (RivTAM) in TransCAD platform. The purpose for the development of this focused and detailed model is for use in General Plan traffic forecasting. The Murrieta focused model covers all of the six counties in the SCAG region. New zone structure with 925 zones was designed to detail the Murrieta area and to aggregate a set of zones outside of the area. The model roadway network within the City and sphere area was expanded to include roadways classified as Collector and above, as shown in the City of Murrieta General Plan Circulation Element.

The structure of the Murrieta Model is consistent with the RivTAM model to ensure the compatibility between the two models. Building on RivTAM also minimizes the time and effort needed to maintain and update Murrieta as new elements of the RivTAM model are put into the model job stream. Specifically, the model consists of traditional four-step modeling process including trip generation, trip distribution, mode split, and traffic assignment. Two model scenarios were included in the Murrieta Model, namely the base year 2009 and the forecast year 2035. Given the updated zone structure, corresponding modifications regarding the input data tables and matrices in the four steps were conducted for both of the model scenarios. The validation for base year 2009 was followed to ensure the results match with the both RivTAM model and traffic counts.

The validated model was then used to forecast future volumes for the different scenarios. Peak hour turning model volumes were developed for study intersections using NCHRP methodology.

RivTAM Model Update (2008)

The RivTAM model update was completed in 2008. Data was compiled by Riverside County, and included data collected in mid-2007 for the 2008 base year and projections for the 2035 SED (Socioeconomic Data). The RivTAM model did not include three recent project approvals by the City of Menifee: Commerce Pointe, Menifee Shopping Center, and Junction at Menifee Valley. EIRs were certified for all three projects in December 2008, July 2010, and November 2010, respectively. It is anticipated that the development anticipated for these three projects will be incorporated into the RivTam model when the City of Menifee prepares its first General Plan.

The City of Murrieta issued the Notice of Preparation (NOP) of a Draft EIR on November 19, 2010 with a 30-day public review period ending on December 21, 2010. In a letter dated December 20, 2010, the City of Menifee provided the following comments on the NOP:

> *"The Planning Department is concerned with potential impacts to regional transportation corridors within the project vicinity, specifically possible impacts to the interchanges along Interstate 215. The DEIR should identify mitigation measures for impacts to regional transportation corridors."*

Information regarding the three aforementioned Menifee projects was not provided to the City of Murrieta in the Menifee NOP comment letter or as a follow up to the NOP comment letter to incorporate into the Murrieta General Plan Update traffic model for traffic analysis zones outside the City's corporate boundary and sphere of influence area. If the information was not in the RivTam model or provided by the City of Menifee, the City of Murrieta would not have knowledge of specific development projects outside its corporate boundary to include in a county-wide model.

Existing Intersection Count Data

As noted above, EIRs were certified for the three Menifee projects. As part of the traffic impact analyses for these projects, existing intersection counts along Scott Road were taken in the time periods as listed below:

- Commerce Pointe – August 2006
- Menifee Shopping Center – December 2008
- Junction at Menifee Valley – December 2008

As part of the Murrieta General Plan Circulation Element update, existing intersection counts along Scott Road were conducted in October 2010.

Iteris who conducted the traffic modeling for the Circulation Element update, reviewed the intersection count data at I-215 (northbound and southbound) at Scott Road for the three Menifee projects and the count data collected for Murrieta in October 2010 (refer to AM and PM Peak Hour tables below). They concluded that the volumes were comparable for the 2008 and 2010 time periods; however, the delay and/or levels of service in 2010 were less than those observed in 2008. This reflects counts taken at different points in time, as well as a variety of factors, including but not limited to, installation of improvements that would improve the level of service, reduced traffic levels due to recent economic conditions, or different assumptions in the models, such as cycle lengths or signal timing plans.

AM Peak Hour	NB	NB	NB	SB	SB	SB	EB	EB	EB	WB	WB	WB	Intersection		
	L	T	R	L	T	R	L	T	R	L	T	R	Total	LOS	Delay
I-215 SB at Scott															
Murrieta GP (10/13/10) Signal	0	0	0	258	4	88	0	535	320	447	501	0	2153	C	23.2
Commerce Pointe (8/10/06) AWS	0	0	0	238	0	71	0	361	335	333	294	0	1632	C	21.2
Junction (12/9/08) Signal (Recirculated document used Menifee SC counts)	0	0	0	209	3	102	0	494	336	469	572	0	2185	C	31.6
Menifee Shopping Center (12/9/08) Signal	0	0	0	209	3	102	0	494	336	469	572	0	2185	C	31.6
I-215 NB at Scott															
Murrieta GP (10/13/10) Signal	145	12	349	0	0	0	108	603	0	0	792	380	2389	B	18.0
Commerce Pointe (8/10/06) AWS	73	1	229	0	0	0	109	468	0	0	601	94	1575	F	78.7
Junction (12/9/08) Signal (Recirculated document used Menifee SC counts)	129	0	335	0	0	0	142	561	0	0	912	282	2361	C	20.9
Menifee Shopping Center (12/9/08) Signal	129	0	335	0	0	0	142	561	0	0	912	282	2361	C	20.9

PM Peak Hour	NB	NB	NB	SB	SB	SB	EB	EB	EB	WB	WB	WB	Intersection		
	L	T	R	L	T	R	L	T	R	L	T	R	Total	LOS	Delay
I-215 SB at Scott															
Murrieta GP (10/13/10) Signal	0	0	0	334	4	114	0	580	165	465	603		2265	C	25.6
Commerce Pointe (8/10/06) AWS	0	0	0	196	0	183	0	377	250	259	436	0	1701	D	25.9
Junction (12/9/08) Signal (Recirculated document used Menifee SC counts)	0	0	0	431	5	149	0	536	229	399	618	0	2367	E	68.9
Menifee Shopping Center (12/9/08) Signal	0	0	0	431	5	149	0	536	229	399	618	0	2367	E	68.9
I-215 NB at Scott															
Murrieta GP (10/13/10) Signal	182	6	468	0	0	0	112	780	0	0	913	364	2825	C	23.4
Commerce Pointe (8/10/06) AWS	210	4	278	0	0	0	153	431	0	0	430	149	1655	F	53.0
Junction (12/9/08) Signal (Recirculated document used Menifee SC counts)	219	1	470	0	0	0	119	848	0	0	798	298	2753	E	57.6
Menifee Shopping Center (12/9/08) Signal	219	1	470	0	0	0	119	848	0	0	798	298	2753	E	57.6

Scott Road/Antelope Road Intersection Impacts

Scott Road/I-215 Interchange

Community Facilities District No. 05-8 of the County of Riverside was formed to construct the ultimate improvements to the Scott Road/I-215 Interchange and widen Scott Road from I-215 to SR-79 to 6 lanes. The improvements include a major upgrade to this intersection to expand the bridge crossing, add loops ramps, and size the overcrossing to handle anticipated traffic growth in Menifee and the other areas that use the Scott Road Corridor. The Scott Road/I-215 Interchange Improvement Project falls within the boundaries of the City of Menifee. Riverside County and the City of Menifee are working cooperatively on the environmental and design phases of the project.

Scott Road/Antelope Road Intersection

The Scott Road/Antelope Road Intersection was not studied in the existing General Plan, and the City did not elect to add an analysis of the intersection in the Draft General Plan 2035 or Draft EIR for the following reasons: 1) design work had been completed for the Scott Road/I-215 Interchange (approximately April 2010), and 2) environmental review, including a traffic study, was recently completed, thus, it was not necessary to reanalyze those future conditions. However, the future roadway conditions for the Scott Road/I-215 Interchange, including the Scott Road/ Antelope Road intersection were included in the General Plan 2035 Circulation Element model or the Draft EIR.

H2. The Commentator also recommends a policy to be provided to the Land Use Element under the North Murrieta Business Corridor Focus Area regarding buffering or sensitivity to the existing rural residential enclave.

The Draft General Plan 2035 Land Use Element includes the following policy related to buffering:

LU-3.2 Protect residential areas from the effects of potentially incompatible uses. Where new commercial or industrial development is allowed adjacent to residentially zoned districts, establish and/or maintain standards for circulation, noise, setbacks, buffer areas, landscaping and architecture, which ensure compatibility between the uses.

A reference to Policy LU-3.2 will be added to the goals and policies for the North Murrieta Business Corridor in the Final General Plan 2035.

H3. This comment is acknowledged. The City of Murrieta will continue to work collaboratively with the City of Menifee to address issues of common concern.

On April 21, 2011, the Cities of Murrieta and Menifee met to discuss the issues raised in the March 24, 2011 comment letter on the Draft EIR. One follow-up item was for the City of Menifee to send the City of Murrieta copies of three recent EIRs (Junction at Menifee Valley, Commerce Point, and Menifee Shopping Center) to share information about these three projects and the traffic impact analyses, and for the City of Murrieta to send the City of Menifee a copy of the EIR for the Loma Linda University Medical Center EIR. Copies of the documents have been transmitted to both cities. In addition, both cities agreed to continue to work cooperatively with one another and to share land use and traffic data to be used in the transportation modeling for each city's general plan documents.

CITY OF MURRIETA

MAR 28 2011

RECEIVED
PLANNING DEPT.

VIA FEDERAL EXPRESS

March 24, 2011

Mr. Greg Smith
City of Murrieta
1 Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

Re: Comments to the Draft Environmental Impact Report for the General Plan Update 2035 of the City of Murrieta; Sch. No. 2010111084

Dear Mr. Smith:

On behalf of Antelope Meadowlark 56, LLC ("AM56"), we appreciate this opportunity to submit comments on the Draft Environmental Impact Report, Sch. No. 2010111084 ("DEIR") prepared by RBF Consulting regarding the City of Murrieta General Plan Update 2035 ("GPU"). SunCal is expressing its opposition to the findings and conclusions stated in the DEIR specifically to the North Murrieta Business Corridor ("NMBC"). I-1 I-2

The fundamental flaw in the document stems from the proposition of a generally single type of land use in the NMBC and the significant unavoidable traffic impacts emanating from this land use designation. In fact, numerous Goals and Policies are contrived to support the land use by establishing economic benefits ahead of the environment, disregarding planning alternatives to alleviate significant adverse consequences, and requiring a statement of overriding public benefit. Moreover, despite prior expressions by property owners to cooperate in planning the NMBC area, Goals and Policies are inconsistent and are incompatible with CEQA's requirement to devise alternatives that avoid or mitigate impacts. I-3 I-4

Referring to pages 3-47 & 48, the application of a "City Wide" approach to air quality, healthy community and transportation oriented design is out of scale with the general principles of planning and the focused nature of the study areas stated in Goal LU-13, page 3-63 and policy LU-4.3 page 3.57. I-5

Other, but not all, examples of these inconsistent and rationalized findings can be found in Goal CIR-1 and Policy 1.3, pages 5.4-83. The goal cannot be achieved due to the concentration of the single land use. Traffic circulation at intersections and along segments can be mitigated through land use variations that affect peak travel demand. The traffic study indicates that Antelope, Baxter I-6

and Meadowlark will be 4 lanes with 7 lanes required for turning movements at the respective intersections. VOC and LOS result in unavoidable significant impacts yet no analysis are provided of the size of roads required to support this land use or land use alternatives to avoid the impact. I-6

And the policies to achieve Goal AQ-5 pages 10.7 do not relieve congestion in the NMBC. The circulation study concludes that an unavoidable significant traffic impact occurs in all major roads leading into the core of the NMBC study area including Baxter, Antelope, Meadowlark, Keller, and Clinton Keith even with traffic enhancements. Improving upon the existing air quality is a stated focus for the City of Murrieta as the basin is in nonattainment under both State and Federal standards for which SB 375 targets GHG from traffic. Congestion will result in negative air quality impacts such a GHG and the mobile point emitters in this vicinity. I-7

Goal CIR-6, 7 & 8 pages 5.4-87-91 encourages alternative travel modes to reduce vehicle miles traveled and enhanced pedestrian transit. However, the alternative modes are predominantly vehicular usage with increases in travel lanes, no specific location for mass transit and depend upon future employee/employer behavior. Considering the 816 acre concentration of land use and the negative impacts of a predominantly single characteristic land use, nowhere is a discussion of pedestrian distances, critical mass to support transit, or residential uses that ascribe to TOD or pedestrian walking distances capable of mitigating or avoiding the significant impacts of traffic included. I-8

Further, Chapter 7, Healthy Community Element notes that Murrieta's development pattern is described as *low density and automobile oriented ...with large sections devoted to single land uses,* as an unappealing and unhealthy approach yet, this is precisely the pattern in the GPU for the NMBC. The Healthy Community approach on a city wide scale of 26 square miles is a dubious application that does little to analyze the meaningful impacts to residents or visitors of the proposed land use in the NMBC. And here again, the Goals and Policies of Chapter 7.5 page 7-10-11 ignore the physical environment created by the proposed land use, opting to rely upon human behavior rather than land use planning. The Healthy Community designation in which air quality does not meet federal guidelines should encourage pe destrian circulation in close proximity to employment. I-9

The DEIR does not evaluate alternatives within the NMBC that comply with the Goals and Objectives stated in the DEIR. Making a statement of overriding benefit for traffic impacts to justify land use will result in a low quality environment. This leads to other fundamental flaws, namely, the document fails to provide any long term solutions to avoid them. I-10

Accordingly, Antelope Meadowlark 56 strongly urges careful consideration of its comments on the Draft EIR and that the City further address these comments. It is our position that failure to do so will render the Final EIR deficient. I-11

We look forward to any opportunity to meet and discuss these concerns with you and your staff. Please do not hesitate to contact me.

Respectfully submitted,

Sam Veltri

Sam Veltri
Vice President, Forward Planning
949-241-8436
sv@argentmanagementllc.com

I. RESPONSES TO COMMENTS FROM SAM VELTRI, VICE PRESIDENT, FORWARD PLANNING, ANTELOPE MEADOWLARK, LLC, DATED MARCH 24, 2011.

I1. The Commentator states their appreciation to review the Draft EIR. This comment is acknowledged. No further response is necessary.

I2. The Commentator expresses their opposition to findings and conclusions in the Draft EIR related to the North Murrieta Business Corridor. Given that no specifics are provided in the statement, the statement is acknowledged. Refer to Responses I3 through I11.

I3. The Commentator offers opinion regarding a fatal flaw in the Draft EIR stemming from the proposal of a single land use for the North Murrieta Business Corridor and that significant unavoidable traffic impacts result from that single land use. However, the Commentator's premise that the Draft EIR proposes a single land use for the North Murrieta Business Corridor is incorrect. The Draft EIR analyzes the proposed project, which is an update to the City's General Plan. Section 3.5, Project Characteristics, of the Draft EIR details the components of the proposed project, including Contents of the General Plan 2035, Climate Action Plan, Land Use Plan, Land Use Summary, General Plan 2035 Focus Areas, General Plan Buildout, Land Use Designations, Infrastructure Improvements, and General Plan 2035 Goals and Policies.

The North Murrieta Business Corridor has been identified as one of five areas of land use change in the General Plan 2035. In addition, two additional focus areas have been identified for policy change. All seven focus areas are described in Draft EIR Section 3.5.7. As shown on Draft EIR *Exhibit 3-3*, *General Plan 2035 Focus Areas*, three land uses are proposed for the North Murrieta Business Corridor: Commercial, Professional and Office, and Parks and Open Space.

The determination of potential areas of land use change and the economic development focus were contemplated by the City Council in 2008 and 2009 prior to commencing the General Plan Update. In October 2008, the City Council put in place Murrieta's first Comprehensive Economic Development Strategy, which established economic development as the City Council's number one priority. The strategy is intended to diversify the City's economic base through three key purposes: 1) to serve as a roadmap for public and private actions to stimulate economic development, 2) encourage growth and diversification of the local economy, and 3) to promote the creation of higher pay jobs, income, and wealth in the community. Later in 2008 (December 2008), the City Council, based upon information from its Land Use Sub-Committee, determined that as land for office and research and development opportunities becomes saturated in the greater San Diego area, the City of Murrieta will provide the land for the next wave of development expansion. The City Council identified one intent of the future general plan update was to place Murrieta in a positive position, so that when economic conditions

improve, the City will be prepared to embrace that development expansion. In addition, the City Council, based upon recommendations from its Land Use Sub-Committee, identified that the primary focus of land use considerations in the future General Plan Update be those areas that have the greatest potential to accept the next wave of economic expansion, including 1) Antelope Corridor (primarily east side of I-215 to Meadowlark Lane, and from Scott Road to Clinton Keith Road); 2) South Murrieta Business Corridor (generally from I-15 east to Jefferson Avenue and from Murrieta Hot Springs to the southerly City limits); 3) Murrieta Hot Springs North (generally between I-15 and I-215, between Murrieta Hot Springs and Los Alamos Roads).

It is also worth noting the General Plan 2035 would greatly improve the City's job to housing ratio. Under existing conditions, the City's jobs/housing ratio is approximately 0.60, indicating the City is currently housing rich and job poor with insufficient employment opportunities for its residents. The General Plan 2035 would increase the City's existing employment by approximately 555 percent (110,275 new jobs). With implementation of the General Plan 2035, the City's jobs/housing ratio would be approximately 2.9, indicating the City would be able to provide adequate employment opportunities for its residents, potentially allowing them to live as well as work within the City. As such, the General Plan 2035 would provide more employment opportunities for its residents, than are currently provided.

The Commentator offers opinion that "numerous goals and policies are contrived to support the land use by establishing economic benefits ahead of the environment, disregarding planning alternatives to alleviate significant adverse consequences, and requiring a statement of overriding public benefit." The goals and policies in the General Plan 2035 reflect the City Council's number one priority of Economic Development, vision for the General Plan 2035, community priorities, and compliance with existing plans and regulations. As noted above, the Draft EIR analyzes the proposed project, which is the General Plan 2035. In addition, the Draft EIR analyzes a range of reasonable and feasible alternatives (refer to Response I4). Refer to Response I10 regarding the requirements related to Statement of Overriding Considerations.

I4. It is unclear what the Commentator means by "despite prior expressions by property owners to cooperate in planning the NMBC area." Land use meetings were held specifically for the North Murrieta Business Corridor on March 23, 2010 and June 2, 2010 to solicit input on the vision and land use alternatives for this focus area. These meetings were open to not only property owners and businesses within the focus area, but also open to all residents and property owners in the City. In addition, two joint City Council and Planning Commission workshops were held on June 23, 2010 and July 6, 2010 to review land use alternatives for the five focus areas with land use change and to have the City Council and Planning Commission to select a recommended land scenario for each of the five areas. The joint City Council and Planning Commission workshops were publicly noticed and open to all residents and property owners. Representatives from Antelope Meadowlark, LLC had the opportunity to participate in all of the meetings

and workshops and provide their input to planning the North Murrieta Business Corridor area.

The California Environmental Quality Act (*CEQA*) requires that EIRs describe a reasonable range of feasible alternatives to the proposed project that could feasibly attain most of the project objectives and that avoid or substantially lessen any of the significant environmental impacts of the proposed project (*CEQA Guidelines* Sections 15126(d) and 15126.6(a)). Section 6.0, Alternatives, of the Draft EIR analyzed three alternatives to the proposed project in compliance with *CEQA* and the *CEQA Guidelines*: No Project/Existing General Plan Alternative, Scenario A Alternative, and Scenario B Alternative. In addition, Section 6.0 identifies an environmentally superior alternative to the proposed project.

The goals and policies are an integral part of the General Plan 2035 (proposed project). They are not inconsistent or incompatible with *CEQA's* requirement for alternatives. While the Commentator has linked the two in the comment, they are two separate topics: one being the General Plan and the second being the EIR that analyzes the General Plan.

I5. The Commentator is referring to text in the Land Use Element presented in Section 3.4, Setting the Vision: Key Concepts and Vision for General Plan, including the subheading on page 3-46 titled "Citywide Balance of Land Uses," with subheadings of "Land Use and Transportation" and "Economic Development and Job Creation" on page 3-47, and "Mixed Use" and "Transit and Transit-Oriented Development" on page 3-48. These subheadings (topical areas) are intended to be supportive of one another, but one does not take precedent over any other. The text on page 3-46 refers to a balance of land uses and ensuring there is an equitable distribution of land use throughout the City, but does not specifically reference a "city wide" approach to air quality, healthy community, and transportation oriented design. There are separate elements for both Air Quality (General Plan 2035 Chapter 10) and Healthy Community (General Plan 2035 Chapter 7), and the application of the goals and policies for these two elements would be applied city-wide, as appropriate.

The Commentator also references Goal LU-13 and Policy LU-4.3, which are restated below:

Goal LU-13 A focused development and economic development strategy that emphasizes specialized land use policies within identified Focus Areas.

Policy LU-4.3 Locate multiple-family housing adjacent to jobs, retail, schools, open space, public transportation, and transportation corridors. (This policy is related to Goal LU-4 for residential development)

Each of the seven focus areas has goals and policies specific to that area:

North Murrieta Business Corridor: Goal LU-14 and associated policies
Clinton Keith/Mitchell: Goal LU-15 and associated policies
Golden Triangle North (Central Murrieta): Goal LU-16 and associated policies
South Murrieta Business Corridor: Goal LU-17 and associated policies
Multiple Use 3 (MU-3): Goal LU-18 and associated policies
Los Alamos Hills: Goals LU-19 through LU-23 and associated policies
Historic Murrieta Specific Plan: Goal LU-20 and associated policies

Goal LU-13 provides the framework for the individual goals and policies for each of the seven focus areas. Policy LU-4.3 is supportive of focus areas where multiple-family residential uses are proposed, including Clinton Keith/Mitchell, Golden Triangle North (Central Murrieta) and Multiple Use 3 (MU-3).

I6. The Commentator is referencing Circulation Element Goal CIR-1 and Policy CIR-1.3 cited on page 5.4-83 of the Draft EIR. The existing and future circulation system has been analyzed and included in both the Circulation Element and the Draft EIR; the future circulation system reflects the recommended land use scenario. The Draft EIR has identified significant unavoidable traffic impacts for 16 intersections and to roadway segments shown on *Exhibit 5.4-14*, *General Plan 2035 Daily Volume-to-Capacity Ratios*. The Commentator is incorrect that there is no analysis provided of the size of the roads required to support the land uses. *Exhibit 5.4-17*, *General Plan 2035 Circulation Map*, identifies the future circulation system and the roadway classifications throughout the City.

I7. The Commentator is correct in noting the "improving upon the existing air quality is a stated focus for the City of Murrieta as the basin is in nonattainment under both State and Federal standards." The goals and policies in a number of elements, including but limited to Land Use, Circulation, and Air Quality, do focus on improving air quality in the City. As part of the General Plan 2035, a Climate Action Plan was prepared and concluded that the General Plan 2035 would result in a 15.21 percent greenhouse gas emissions reduction over Business As Usual (BAU). The emission reduction target is 15 percent over 2009 conditions. Thus, the General Plan 2035 has exceeded the reduction target and complied with both AB 32 and SB 375.

I8. The Commentator is correct in noting that the General Plan 2035 does not identify specific locations for mass transit. While the City has been involved in discussions regarding both high speed rail and Metrolink, it is too speculative at this time to map stations and routes. The General Plan 2035 is supportive of alternative modes (refer to Circulation Element Goal CIR-6). The General Plan 2035 could be amended when that information is known.

With respect to the traffic impacts, it was also too speculative to run the traffic model for the Circulation Element and Draft EIR to account for either high speed rail or Metrolink. The Draft EIR has provided environmental analysis based upon the available information at the time the document was prepared. The Draft EIR is not required to conduct speculative environmental analysis for unknown future alternative transportation systems.

I9. It is the Commentator's opinion that "the goals and policies of Chapter 7.5 page 7-10-11 ignore the physical environment created by the proposed land use, opting to rely upon human behavior rather than land use planning." As noted in Response I4, the land use alternatives process for the General Plan 2035 was described and outlined multiple opportunities for residents, businesses, and property owners to participate. The impacts of the General Plan 2035 on the environment are thoroughly reviewed in Sections 5.1 through 5.22 in the Draft EIR, which is a program EIR. The Draft EIR reviewed all *CEQA* Checklist topics and questions.

The Healthy Community Element is an optional element that the City has elected to include in the General Plan 2035. It is important to note the all elements in a General Plan have equal status and that the goals and policies of one element are not superior to the goals and policies of another element. The Healthy Community Element includes goals and policies related to Citywide Health, Environmental Health, Public Spaces for Physical Activity and Social Cohesion, Healthy Economy, and Health Goods and Services. However, other health-related goals and policies are contained in the Land Use Element, Circulation Element, Conservation Element, Recreation & Open Space Element, and Air Quality Element. Circulation Element Goal CIR-6 and the associated policies address alternative travel modes and facilities and their availability to service residents and employees/employers. In addition, Air Quality Element Goal AQ-5 and associated policies address improved air quality through an efficient circulation system and reduced vehicle miles traveled.

I10. The Commentator is incorrect regarding the alternatives reviewed in the Draft EIR. Refer to Response I3.

After considering the Final EIR in conjunction with making findings, the Lead Agency (City of Murrieta) must not approve the project if the project will have a significant effect on the environment after imposition of feasible mitigation measures, <u>unless</u> (emphasis added) the Lead Agency finds that the benefits of a proposed project outweigh the unavoidable adverse environmental effects (C*EQA Guidelines* Sections 15092 and 15096(h)). However, when approving a project with unavoidable significant environmental effects, the Lead Agency is required by *CEQA* to prepare a Statement of Overriding Considerations. The Statement of Overriding Considerations is a written statement explaining why the agency is willing to accept the significant effects (*Public Resource Code* Section 21081, *CEQA Guidelines* Section 15093), and requires the Lead Agency to balance the benefits of a proposed project against the unavoidable environmental risks in determining whether to approve a project. The Statement of

Overriding Considerations sets forth the specific overriding social, economic, legal, technical, or other beneficial project aspects supporting the Lead Agency's decision.

I11. The City of Murrieta is fully complying with the requirements of the *California Environmental Quality Act* (*CEQA*) Section 21092.5, and will be preparing written responses to environmental comments provided to the City during the 45-day public review period. In compliance with *CEQA*, all public agencies will be provided written responses to their comments 10-days prior to certification of the Final EIR. In addition, both the Planning Commission and City Council will have the "Comments and Responses" section of the Final EIR for their review and consideration prior to taking any action on the Final EIR.

COMMENT LETTER J

Johnson & Sedlack
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March 24, 2011

Greg Smith, Associate Planner
City of Murrieta
1 Town Square
24601 Jefferson Avenue
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VIA US MAIL AND EMAIL

Re: Draft EIR for Murrieta General Plan 2035

Dear Mr. Smith:

The following comments are submitted on behalf of local residents regarding the Draft Environmental Impact Report (DEIR) for the proposed General Plan Update 2035.

General Comments:

The California Environmental Quality Act (CEQA) was adopted as a disclosure and transparency document. The theory is that by providing a document that adequately describes the environmental consequences of a project to decision makers and the public, the decision makers will make a rational decision based upon the true environmental consequences of the project and if they do not, the electorate can hold them accountable for their decisions. The core of this statutory structure is the adequacy of the document as an informational document. J-1

Unfortunately, in this case, the Draft EIR is often conclusory, and does not provide the analysis or examination required by CEQA to inform the public and decision makers of the analytical pathway taken from facts to conclusions. J-2

CEQA also requires that where feasible mitigation exists which can substantially lessen the environmental impacts of a project all feasible mitigation must be adopted. In this way CEQA goes beyond its informational role to require that projects substantively lessen their negative effects on the environment. It is critical to proper drafting of an EIR that all feasible mitigation measures be required of a project. Moreover, all mitigation measures required in the EIR must J-3

be fully enforceable and certain to occur. This General Plan EIR fails to ensure that all feasible mitigation will occur with this Project and instead provides vague, uncertain, and unenforceable mitigation measures. J-3

Air Quality

The DEIR concludes that construction and operational air quality impacts are significant and that no mitigation measures are available beyond the goals and policies identified in the proposed General Plan 2035. The following are feasible mitigation measures which must be adopted before a Statement of Overriding Considerations can be adopted.

For construction air quality impacts, the following measures should be made requirements of implementing projects, where applicable, under the General Plan:

A. Dust

1. Gravel pads must be installed at all access points to prevent tracking of mud onto public roads.
2. Install and maintain trackout control devices in effective condition at all access points where paved and unpaved access or travel routes intersect (eg. Install wheel shakers, wheel washers, and limit site access.)
3. All roadways, driveways, sidewalks, etc., should be completed as soon as possible. In addition, building pads should be laid as soon as possible after grading unless seeding or soil binders are used.
4. Pave all construction roads.
5. Pave all construction access roads at least 100 feet on to the site from the main road. J-4
6. The maximum vehicle speed on unpaved roads shall be 15 mph.
7. Limit fugitive dust sources to 20 percent opacity.
8. Require a dust control plan for earthmoving operations.
9. When materials are transported off-site, all material shall be covered, effectively wetted to limit visible dust emissions, and at least six inches of freeboard space from the top of the container shall be maintained.
10. All streets shall be swept at least once a day using SCAQMD Rule 1186 certified street sweepers utilizing reclaimed water trucks if visible soil materials are carried to adjacent streets.
11. The contractor or builder shall designate a person or persons to monitor the dust control program and to order increased watering, as necessary, to prevent transport of dust offsite.
12. Post a publicly visible sign with the telephone number and person to contact regarding dust complaints. This person shall respond and take corrective action within 24 hours.
13. Extend grading period sufficiently to reduce air quality impacts below a level of significance.
14. The simultaneous disturbance of the site shall be limited to five acres per day.

15. Adequate watering techniques shall be employed to mitigate the impact of construction-related dust particulates. Portions of the site that are undergoing surface earth moving operations shall be watered such that a crust will be formed on the ground surface, and then watered again at the end of each day. Site watering shall be performed as necessary to adequately mitigate blowing dust.
16. Any vegetative cover to be utilized onsite shall be planted as soon as possible to reduce the disturbed area subject to wind erosion. Irrigation systems required for these plants shall be installed as soon as possible to maintain good ground cover and to minimize wind erosion of the soil.
17. Any on-site stockpiles of debris, dirt or other dusty material shall be covered or watered three times daily.
18. Apply non-toxic soil stabilizers according to manufacturers' specifications to all inactive construction areas (previously graded areas inactive for ten days or more).
19. Any site access points within 30 minutes of any visible dirt deposition on any public roadway shall be swept or washed.
20. Excavating and grading operations shall be suspended during first stage ozone episodes or when winds exceed 25 mph. A high wind response plan shall be formulated for enhanced dust control if winds are forecast to exceed 25 mph in any upcoming 24-hour period.

B. Equipment Emissions/ Air Quality Impacts from Construction

J-4

21. Implement activity management techniques including a) development of a comprehensive construction management plan designed to minimize the number of large construction equipment operating during any given time period; b) scheduling of construction truck trips during non-peak hours to reduce peak hour emissions; c) limitation of the length of construction work-day period; and d) phasing of construction activities.
22. Develop a trip reduction plan to achieve a 1.5 AVR for construction employees.
23. Require high pressure injectors on diesel construction equipment.
24. Restrict truck operation to "clean" trucks, such as a 2007 or newer model year or 2010 compliant vehicles.
25. All diesel powered construction equipment in use shall require control equipment that meets, at a minimum Tier III emission requirements. In the event Tier III equipment is not available, diesel powered construction equipment in use shall require emissions control equipment with minimum of Tier II diesel standards.
26. Require the use of CARB certified particulate traps that meet level 3 requirements on all construction equipment.
27. Utilize only CARB certified equipment for construction activities.
28. Require all contractors to turn off all construction equipment and delivery vehicles when not in use and/or idling in excess of 3 minutes.
29. Restrict engine size of construction equipment to the minimum practical size.

30. Use electric construction equipment where technically feasible.
31. Substitute gasoline-powered for diesel-powered construction equipment.
32. Require use of alternatively fueled construction equipment, using, e.g., compressed natural gas, liquefied natural gas, propane, or biodiesel.
33. Use methanol-fueled pile drivers.
34. Install catalytic converters on gasoline-powered equipment.
35. Use electricity from power poles rather than temporary diesel or gasoline power generators.
36. Require the use of Alternative Diesel Fuels on diesel equipment used. Alternative diesel fuels exist that achieve PM10 and NOx reductions. PuriNOx is an alternative diesel formulation that was verified by CARB on January 31, 2001 as achieving a 14% reduction in NOx and a 63% reduction in PM10 compared to CARB diesel. It can be used in any direct-injection, heavy-duty compression ignition engine and is compatible with existing engines and existing storage, distribution, and vehicle fueling facilities. Operational experience indicates little or no difference in performance and startup time, no discernable operational differences, no increased engine noise, and significantly reduced visible smoke.
37. Electrical powered equipment shall be utilized in-lieu of gasoline-powered engines where technically feasible.
38. All forklifts shall be electric or natural gas powered.
39. Any construction equipment using direct internal combustion engines shall use a diesel fuel with a maximum of 0.05 percent sulfur and a four-degree retard. J-4
40. Suspend use of all construction equipment operations during second stage smog alerts.

C. Traffic and Air Quality from Traffic Emissions

41. Provide temporary traffic controls such as a flag person, during all phases of construction to maintain smooth traffic flow.
42. Provide dedicated turn lanes for movement of construction trucks and equipment on- and off-site.
43. Reroute construction trucks away from congested streets and sensitive receptor areas.
44. Configure construction parking to minimize traffic interference.
45. Prior to the issuance of a grading and building permit, require applicants to submit verification that a ridesharing program for the construction crew has been encouraged and will be supported by the contractor via incentives or other inducements.
46. Minimize construction worker trips by requiring carpooling and providing for lunch onsite.
47. Provide shuttle service to food service establishments/commercial areas for the construction crews.
48. Provide shuttle service to transit stations/multimodal centers for the construction crews.

For operational air quality impacts, the following are feasible mitigation measures and should be made requirements of implementing projects, where applicable, under the General Plan:

1. The operator of the primary facilities shall become a SmartWay Partner.
2. Projects shall meet SmartWay 1.25 ratings.
3. Projecst shall use only freight companies that meet SmartWay 1.25 ratings.
4. (ALTERNATIVELY from 2, 3 above) The operator of the primary facilities shall incorporate requirements or incentives sufficient to achieve at least 20% per year (as a percentage of previous percentage, not total trips) increase in percentage of long haul trips carried by SmartWay carriers until it reaches a minimum of 90% of all long haul trips carried by SmartWay 1.0 or greater carriers. Results, including backup data shall be reported to the Planning Department semi-annually.
5. The operator of primary facilities shall incorporate requirements or incentives sufficient to achieve a 15% per year (as a percentage of previous percentage, not total trips) increase in percentage of consolidator trips carried by SmartWay carriers until it reaches a minimum of 85% of all consolidator trips carried by SmartWay 1.0 or greater carriers. Results, including backup data shall be reported to the City's Planning Department semi-annually.
6. All fleet vehicles shall conform to 2010 air quality standards or better. Results, including backup data shall be reported to the Planning Department semi-annually.
7. All spaces utilizing refrigerated storage, including restaurants and food or beverage stores, shall provide an electrical hookup for refrigeration units on delivery trucks. Trucks incapable of utilizing the electrical hookup for powering refrigeration units shall be prohibited from accessing the site. All leasing documents shall include these requirements and provide that violation of those provisions will constitute a material breach of the lease that will result in the termination of the lease. Because of the fact that these terms of the lease are designed to benefit the public, the public shall be considered to be a third party beneficiary with standing to enforce the requirements of the lease. J-4
8. Install catalytic converters on gasoline-powered equipment.
9. Where diesel powered vehicles are necessary, require the use of alternative diesel fuels. Alternative diesel fuels exist that achieve PM10 and NOx reductions. PuriNOx is an alternative diesel formulation that was verified by CARB on January 31, 2001 as achieving a 14% reduction in NOx and a 63% reduction in PM10 compared to CARB diesel. It can be used in any direct-injection, heavy-duty compression ignition engine and is compatible with existing engines and existing storage, distribution, and vehicle fueling facilities. Operational experience indicates little or no difference in performance and startup time, no discernable operational differences, no increased engine noise, and significantly reduced visible smoke.
10. Electrical powered equipment should be utilized in-lieu of gasoline-powered engines where technically feasible.
11. Utilize electrical equipment for landscape maintenance.
12. All forklifts shall be electric or natural gas powered.
13. Utilize electric yard trucks.

14. Prohibit idling of trucks for periods exceeding three minutes.
15. Provide electrical vehicle ("EV") and compressed natural gas ("CNG") vehicles in vehicle fleets.
16. Charge reduced or no parking fee for EVs and CNG vehicles.
17. Install EV charging facilities for a minimum of 10% of all parking spaces.
18. Install a CNG fueling facility.
19. Provide preferential parking locations for EVs and CNG vehicles.
20. Implement parking fee for single-occupancy vehicle commuters.
21. Plant shade trees in parking lots to provide minimum 50% cover to reduce evaporative emissions from parked vehicles.
22. Plant at least 50 percent low-ozone forming potential (Low-OFP) trees and shrubs, preferably native, drought-resistant species, to meet city/county landscaping requirements.
23. Plant Low-OFP, native, drought-resistant, tree and shrub species, 20% in excess of that already required by city or county ordinance. Consider roadside, sidewalk, and driveway shading.
24. Orient 75 percent or more of homes and buildings to face either north or south (within 30 degrees of N/S) and plant trees and shrubs that shed their leaves in winter nearer to these structures to maximize shade to the building during the summer and allow sunlight to strike the building during the winter months.
25. Provide grass paving, tree shading, or reflective surface for unshaded parking lot areas, driveways, or fire lanes that reduce standard black asphalt paving by 10% or more. J-4
26. Electrical outlets shall be installed on the exterior walls of all residential and commercial buildings (and perhaps parking lots) to promote the use of electric landscape maintenance equipment.
27. Prohibit gas powered landscape maintenance equipment within residential, commercial, and mixed-use developments. Require landscape maintenance companies to use battery powered or electric equipment **or** contract only with commercial landscapers who operate with equipment that complies with the most recent California Air Resources Board certification standards, or standards adopted no more than three years prior to date of use or any combination of these two themes.
28. Provide a complimentary cordless electric lawnmower to each residential buyer.
29. Implement parking cash-out program for non-driving employees.
30. Require each user to establish a carpool/vanpool program.
31. Create a car sharing program within planned communities.
32. Create a light vehicle network, such as a neighborhood electric vehicle (NEV) system.
33. Provide preferential parking for carpool/vanpool vehicles.
34. Provide subsidies or incentives to employees who use public transit or carpooling, including preferential parking.
35. Provide secure, weather-protected bicycle parking for employees.

36. Provide direct, safe, attractive pedestrian access from projects to transit stops and adjacent development.
37. Provide direct safe, direct bicycle access to adjacent bicycle routes.
38. Provide showers and lockers for employees bicycling or walking to work.
39. Provide short-term bicycle parking for retail customers and other non-commuter trips.
40. Connect bicycle lanes/paths to city-wide network.
41. Design and locate buildings to facilitate transit access, e.g., locate building entrances near transit stops, eliminate building setbacks, etc.
42. Construct transit facilities such as bus turnouts/bus bulbs, benches, shelters, etc.
43. Provide a display case or kiosk displaying transportation information in a prominent area accessible to employees or residents.
44. Provide shuttle service to food service establishments/commercial areas.
45. Provide shuttle service to transit stations/multimodal centers.
46. Provide on-site child care or contribute to off-site child care within walking distance.
47. Implement a compressed workweek schedule. J-4
48. Implement home-based telecommunicating program, alternate work schedules, and satellite work centers.
49. All buildings shall be constructed to LEED standards.
50. Buildings shall exceed Title 24 requirements by 20%.
51. Design buildings for passive heating and cooling and natural light, including building orientation, proper orientation and placement of windows, overhangs, skylights, etc.
52. Construct photovoltaic solar or alternative renewable energy sources sufficient to provide 100% of all electrical usage for entire projects.
53. Install an ozone destruction catalyst on all air conditioning systems.
54. Construct renewable energy sources sufficient to offset the equivalent of 100% of all greenhouse gas emissions from mobile sources (internal combustion engines) for entire projects.
55. Purchase only green/ renewable power from the electric company.
56. Install solar water heating systems to generate all hot water requirements.

Furthermore, the mitigation measures that are adopted for operational air quality impacts are uncertain and unenforceable. For instance, Policy AQ-5.1 requires only that projects "*encourage* employers to implement transportation demand management measures." J-5

<u>Agriculture</u>

DEIR Exhibits 3-3 and 5.11-1 indicate that development in the North Murrieta Business Corridor Focus Area will occur in lands designated as Farmland of Local Importance. The DEIR claims that "most of this land is not believed to be in agricultural production," however, there is no substantial evidence in the DEIR to support this claim. Thus, the conclusion of the DEIR that agricultural impacts are less than significant is not supported by substantial evidence and J-6

mitigation is required. At a minimum, the City must perform the appropriate analysis to determine whether these lands are still viable farmland before concluding they are no longer viable.

Mitigation for the loss of agricultural lands can include protecting productive agricultural land subject to conversion through the purchase or transfer of its development rights; purchasing conservation easements on existing agricultural lands to ensure the land is never converted to urban uses; and donating funds to a regional or statewide program that promotes and implements the use of agricultural land conservation easements of off-site conservation easements. These measures should be adopted as mitigation measures under the General Plan. J-6

Biological Resources

The conclusion of the DEIR that the General Plan Update will have a less-than-significant impact on biological resources is not supported. The General Plan Update will have a significant impact on biological resources on an individual and cumulative basis including due to conflicts with the Western Riverside County MSHCP. In particular, the proposed land use changes and development in the North Murrieta Business Corridor Focus Area have potential impacts due to conflict with the MSHCP and the loss of conservation areas including Core Areas and Proposed Linkages.

The DEIR states that the North Murrieta Business Corridor Focus Area is currently comprised of vacant or rural residential properties. The General Plan proposes to dramatically change the land use designations of this area to allow for intense commercial and medical development to include an additional 1,672,843 square feet of commercial uses and 7,666,185 square feet of office and research uses. The development of this area will have a significant impact both directly and cumulatively on the Antelope Valley Proposed Core 2 and Sedco Hills–Paloma Valley Proposed Constrained Linkage 16 among other conservation areas. This must be considered a significant impact of the project. Moreover, the statement that individual projects will be reviewed for MSHCP compliance ignores the purpose of a cumulative impact analysis. J-7

Furthermore, there does not appear to be any discussion in the DEIR of impacts to species not covered by the MSHCP.

Land Use

Conflict with the Riverside County Airport Land Use Commission Compatibility Plan

The DEIR concludes that conflict with the Riverside County Airport Land Use Commission Compatibility Plan (Compatibility Plan) is a significant and unmitigable impact of the proposed General Plan Update. J-8

It is stated that portions of the City where development will occur under the General Plan are located within the various designated airport land use zones under the Compatibility Plan. The DEIR concludes that the proposed General Plan will result in significant impacts due to conflicts with the Compatibility Plan. More specifically, because the General Plan proposes the

development of residential and other uses at higher densities than allowed under the Plan within designated airport zones, the DEIR finds the project presents a significant land use impact and that there is no mitigation available to lessen the significant impact.

Contrary to the conclusion of the DEIR, feasible mitigation exists to lessen land use impacts due to the project's inconsistency the Compatibility Plan. First, the General Plan does not consider or adopt the mitigation measures identified in the French Valley Airport Land Use Compatibility Plan Initial Study and Mitigated Negative Declaration (MND), namely the measures identified at DEIR Page 5.1-9. Compliance with these measures would presumably bring the General Plan into conformance the density criteria set forth under the Compatibility Plan and would mitigate the land use impacts of the project, in addition to addressing the potentially significant noise and hazard impacts associated with the development of residential and other uses in airport zones.

J-8

Although the DEIR does not specifically state what densities are allowed in the B1 and B2 zones under the adopted Compatibility Plan, and does not clearly state what densities would be applicable to the areas of the City affected by the density restrictions, the DEIR states that the proposed densities are inconsistent with the Compatibility Plan. Thus, mitigation measures must be adopted which limit the allowable densities, consistent with the density criteria specified in the Compatibility Plan.

Furthermore, no policy justification can be provided for allowing houses and other uses within airport hazard zones at densities greater than what is recommended by the ALUC. It is also unclear why the land use designations within the hazard zones cannot be modified or otherwise be brought into compliance with the density and other restrictions of the ALUC Plan under the new General Plan.

Conflict with the Western Riverside County MSHCP

The conclusion that the project will have a less than significant impact with mitigation with regard to consistency with the MSCHP is not supported by substantial evidence when it is known that development will occur under the General Plan in areas proposed for conservation under the MSHCP and in existing Conserved Lands including PQP Conserved Lands and Pre-existing Conservation Agreements.

J-9

The proposal to allow significant development within areas designated under the MSHCP for conservation must be considered a significant direct and cumulative impact of the project, regardless of whether individual projects will be reviewed for their consistency with the MSHCP.

Hazards

The General Plan continues to propose development in airport zones at greater densities than recommended by the ALUC thereby creating a public safety hazard. This must be considered a significant impact of the project and appropriate mitigation adopted.

J-10

Moreover, the conclusion of the DEIR that there are potentially significant land use impacts due to conflicts with the ALUC Compatibility Plan cannot be reconciled with the conclusion of the DEIR that hazard impacts are less than significant due to the development of housing and other uses in airport hazard zones. Given the General Plan's inconsistency with the ALUC Plan, the DEIR must find that there are potentially significant hazard impacts and appropriate mitigation adopted. J-10

Noise

Construction Noise

The conclusions with respect to construction noise are not based on substantial evidence. First, the DEIR fails to provide any information with respect to the noise levels produced by the construction equipment or the transport of workers and equipment to construction sites. With respect to the operation of equipment, any single piece of construction equipment is known to generate noise levels of 70 to 90 dBA. Second, it is not shown on the basis of substantial evidence that adopted mitigation is adequate to lessen significant impacts. The DEIR claims that through the implementation of Goal N-4 and Policies N-4.1 through N.4.6 that construction noise impacts will be reduced to below significance thresholds. For example, the DEIR claims that limiting the hours of construction activity in residential areas to reduce intrusive noise in the early morning and evening hours will lessen construction noise impacts. Compliance with an ordinance limiting the hours of construction does not ensure that construction noise will be less than significant during daytime hours when construction is permitted. Overall, there is no assurance that individual projects will be able to achieve compliance with the City's noise standards. J-11

Operational Project Noise

The conclusions with respect to operational traffic noise are not based on substantial evidence and are contradicted by the evidence. A comparison of Table 5.7-5 and Table 5.7-9 show that a number of roadway segments will experience significant increases in traffic noise with the project, many greater than a 3 dBA increase. Many of these segments are in residential areas. This must be considered a significant impact of the General Plan Update. The DEIR claims that adherence to Goal N-3 "would minimize noise from mobile sources." Goal N-3 includes policies such as N-3.1 which is to "*consider* noise mitigation measures in the design of all future streets and highways" and N-3.3 to "*encourage* the construction of noise barriers" and N.-3.5 to "consider requiring traffic plans for construction projects." None of these measures are mandatory requirements of future implementing projects and none are certain to ensure that traffic noise levels particularly in residential areas will be below thresholds of significance. Traffic noise will be significant without the implementation of the mitigation measures. Since none of the generalized policies are mandatory requirements for future projects, the finding cannot be made that traffic noise will be less than significant with mitigation incorporated. J-12

Water Supply

For water supply, the conclusions of the DEIR are not based on substantial evidence to the extent that there was no water supply assessment prepared for the General Plan Update as required by CEQA Guidelines § 15155. The conclusions of the DEIR are also not based on substantial evidence to the extent the discussion of water supply assumes that there will adequate water supply for the proposed project by reference to the 2005 Urban Water Management Plan for each of the four water service providers but fails to disclose whether those UWMPs accounted for the increased development facilitated by the General Plan Update. (*See, Vineyard Area Citizens For Responsible Growth v. City of Rancho Cordova* (2007) 40 Cal.4th 412, 434.) The DEIR finds that with implementation of the General Plan that water demand would increase from 39,179AF/Y to 15,632 AF/Y, however, there is no substantial evidence to support the claim that the water districts will be able to meet the increased demand, including evidence that the various 2005 UWMP's have accounted for the increased development and population increases expected with implementation of the General Plan Update. Similarly, there is no substantial evidence to support the conclusion that there will no cumulative water supply impacts because there is no evidence to show that the project, when combined with other projects in the area, will not cause a significant increase in demand for water. The claim that water supply will be evaluated on a "project-by-project" basis defeats the purpose of a cumulative impact analysis and constitutes an improper deferral of analysis of water supply impacts. J-13

Traffic

The DEIR concludes that under the new land use designations created by the General Plan Update numerous roadway segments and 16 intersections will operate at unacceptable levels of service even with mitigation measures. It is unfortunate that the City is paving the way for new development (*e.g.,* in the North Murrieta Business Corridor) when it is known that traffic impacts in these areas will exceed thresholds of significance. The City cannot make the policy determination that the purported benefits of the project outweigh these significant new traffic impacts. Furthermore, as a policy, the City should not approve a blueprint for future development that would allow individual implementing projects to avoid traffic mitigation by reference to the General Plan document which finds impacts to be significant and unavoidable. J-14

Finally, as with the air quality mitigation measures, many of the traffic mitigation measures are not mandatory requirements and therefore are unenforceable within the meaning of CEQA.

GHGs

The City adopts an emission reduction goal as the threshold of significance for Greenhouse Gas Emissions. However, none of the policies aimed at lessening GHGs are requirements of future implementing projects thus there can be no assurance that the City will be able to achieve its emission reduction goals. Additionally, none of the measures are aimed at the air quality emissions generated by commercial and industrial projects. J-15

Alternatives

CEQA requires that a lead agency evaluate a reasonable range of project alternatives which are designed to meet basic project objectives and lessen or avoid the significant impacts of the project. Here the City has evaluated two alternatives to the proposed General Plan Update besides the "No Project" alternative. These alternatives, however, fail to satisfy the mandate that they be designed to lessen or avoid the significant impacts of the project. Alternative Scenario A involves the development of more residential and less nonresidential uses within the Focus Areas. According to the DEIR, this alternative would result in "similar" environmental impacts including in the areas of land use, air quality, traffic, and noise when compared to the proposed project and greater impacts in the areas of population, housing and employment, public services and utilities, and recreation. Alternative Scenario B also involves the development of more residential and less nonresidential uses within the Focus Areas. According to the DEIR, it would also result in "similar" and "greater" impacts as under the proposed project. Thus, neither alternative selected for analysis meets the requirement that they be designed to lessen the significant impacts of the project.

Furthermore, even though it is clear that Scenario A is not a true alternative to the proposed project the DEIR concludes that it is the environmentally superior alternative because it allows for "greater non-residential development in support of the City's economic development goals and would meet project objectives." The lead agency is required to select an environmentally superior alternative *to the proposed project* besides the "no project" alternative. As discussed above, it is obvious that neither Scenario A nor Scenario B is environmentally superior to the proposed project; in fact, they are environmentally inferior in that they present the possibility for even greater environmental harm than the proposed project. As a result, the adoption of the proposed project is inevitable – a result that CEQA prohibits under these circumstances. By failing to identify an environmentally superior alternative to the proposed project, the DEIR violates the requirements of CEQA. Moreover, the DEIR implies that Scenario A was selected as the environmentally superior alternative because it is superior to Alternative Scenario B; CEQA, however, requires that a lead agency select an environmentally superior alternative *to the proposed project*. While Scenario A may "allow for greater non-residential development in support of the City's economic development goals" (*i.e.,* when compared to Scenario B), the question is whether Scenario A is environmentally superior to the proposed project which it clearly is not. Also, given that Scenario A and Scenario B both result in "similar" impacts when compared to the proposed project and both result in "greater" impacts in the same impact areas, Scenario A cannot be considered the environmentally superior to Scenario B. Finally, the selection of the environmentally superior alternative must be based on environmental reasons, not economic or other similar justifications. Thus, in this instance, the conclusion of the DEIR that Scenario A helps the City to achieve its economic goals is not a finding that the alternative is *environmentally* superior. J-16

The City must consider true alternatives to the proposed project that are designed to meet basic project objectives and lessen or avoid the significant impacts of the project. Since both alternatives selected for analysis besides the no-project alternative involve greater residential and less nonresidential uses in the Focus Areas, appropriate alternatives would involve less commercial and other similar uses in the Focus Areas; that is, the City should consider a variety

of alternatives which scale back the commercial and similar uses currently contemplated in the Focus Areas. A reduced commercial alternative(s) would still meet basic objectives and could be at least designed to lessen the significant traffic, air quality, and noise impacts of the project. J-16

Thank you for your consideration of these comments.

Sincerely,

Raymond W. Johnson
JOHNSON & SEDLACK

J. RESPONSES TO COMMENTS FROM RAYMOND W. JOHNSON, JOHNSON & SEDLACK, DATED MARCH 24, 2011.

J1. The Commentator provides a description of the *California Environmental Quality Act* (*CEQA*) process as one of disclosure and transparency. This comment is acknowledged. No further response is necessary.

J2. The Commentator is offering opinion regarding the "Draft EIR is often conclusory and does not provide the analysis or examination required by CEQA." This statement is incorrect. The Draft EIR was prepared as a Program EIR in compliance with *CEQA Guidelines* Section 15168. The following text is restated from Section 2.3.2, Program Environmental Impact Report and Technical Appendices, of the Draft EIR.

> The Murrieta General Plan 2035 Program EIR is intended to serve as a Program EIR or "first tier EIR." *CEQA Guidelines* Section 15168 states that a Program EIR can be prepared in connection with the *"issuance of rules, regulations, plans, or other general criteria to govern the conduct of a continuing program."* The Program EIR has been prepared for the General Plan 2035.
>
> *CEQA Guidelines* Section 15168 (a) states that a Program EIR is appropriate for evaluating *". . . a series of actions that can be characterized as one large project and are related either: (1) Geographically; (2) As logical parts in the chain of contemplated actions; (3) In connection with the issuance of rules, regulations, plans, or other general criteria to govern the conduct of a continuing program; or (4) As individual activities carried out under the same authorizing statutory or regulatory authority and having generally similar environmental effects which can be mitigated in similar ways."*
>
> According to *CEQA Guidelines* Section 15168 (b), the advantages of a Program EIR include the following: 1) provide an occasion for a more exhaustive consideration of effects and alternatives than would be practical in an EIR on an individual action; 2) ensure consideration of cumulative impacts that might be slighted in a case-by-case analysis; 3) avoid duplicative reconsideration of basic policy considerations; 4) allow the Lead Agency to consider broad policy alternatives with program wide mitigation measures at an early time when the agency has greater flexibility to deal with basic problems or cumulative impacts, and 5) allow reduction in paperwork.
>
> Subsequent development projects proposed within the City must be reviewed in the context of this Program EIR to determine if additional environmental documentation is required. If the subsequent project would have environmental effects not addressed in the Program EIR, additional environmental review will be required. Where no new effects and no new mitigation measures are

involved, the subsequent project can be approved without additional environmental documentation. Where an EIR is required for a subsequent project, the EIR should implement the applicable mitigation measures developed in the Program EIR, and focus its analysis on site-specific issues not previously addressed.

The impacts of the proposed General Plan 2035 on the environment are thoroughly reviewed in Sections 5.1 through 5.22 in the Draft EIR, which reviewed all CEQA Checklist topics and questions. The Draft EIR provides the appropriate level of analysis in a Program EIR to inform the public and the decision makers of the environmental impacts associated with the General Plan 2035 (proposed project).

J3. The Commentator is not specific about which mitigation measures are vague, uncertain, and unenforceable, nor is the statement true. The mitigation measures identified in the Draft EIR are applicable to all future development projects. In addition, as part of the Final EIR, a Mitigation Monitoring and Reporting Program will be prepared, and will further detail compliance timing and responsibilities.

J4. The comment provides various construction and operational air quality mitigation measures and requests the incorporation of these into the Final EIR. The Draft EIR is a programmatic document that analyzes proposed land use changes and anticipated growth within the City. The air quality analysis does not review a specific development project. Future development projects would require individual CEQA review where specific impacts would be determined and necessary mitigation, such as those suggested by the Commentator, would be identified if necessary.

The comment includes an extensive list of construction emissions mitigation measures, many of which coincide with SCAQMD rules and regulations. For example, the dust control measures are addressed in SCAQMD Rule 403, which is a mandatory component for large earthmoving operations (i.e., Paragraph (f)(1) of Rule 403). Rule 403 requires implementation of control measures to prevent, reduce, or mitigate fugitive dust emissions and includes a performance standard that prohibits visible emissions from crossing any property line. Under Rule 403, large operations (projects greater than 50 acres and/or more than 5,000 cubic yards of daily earth-movement) are required to notify the SCAQMD of the project location and implement Table 2, and, if necessary Table 3, control measures and maintain recordkeeping. SCAQMD Rule 403 provides Best Available Control Measures (BACM) for high wind conditions in Table 1. These measures include requirements for stabilizing disturbed surfaces where dust may not exceed 20 percent opacity. The measures within Rule 403 also include requirements for watering, trackout controls, temporary coverings, and chemical stabilizers. It should be noted that each of the dust control measures cited by the Commentator are already components of Tables 1 through 3 of Rule 403.

Future development projects would be required to comply with all applicable SCAQMD rules and regulations. Additionally, the construction air quality analysis within the Murrieta General Plan DEIR includes Policies AQ-3.1 and AQ-3.2, which require compliance with current SCAQMD rules, regulations, and thresholds, and implementation of all SCAQMD best management practices. General Plan Policy AQ-3.3 requires Best Available Control Measures for projects that exceed SCAQMD thresholds. Policy AQ-3.4 requires a construction management plan that includes Best Available Control Measures and other control measures for projects that exceed SCAQMD thresholds. Specific impacts from individual construction projects and the applicability of mitigation measures would be determined as part of the project-specific CEQA review.

Additional mitigation measures are provided in the comment to reduce operational emissions including traffic emissions. The General Plan 2035 establishes the City's mobility goals by providing improved local and regional transit services as well as a connected, balanced, and integrated transportation system of bicycle and pedestrian networks. Such alternatives to automotive transportation can be greatly utilized to reduce mobile source emissions. For example, the Draft EIR includes General Plan Goal AQ-4 and Policies AQ-4.1 through AQ-4.4, which would reduce vehicle miles traveled (VMT) and associated mobile source emissions through job creation and the improvement of the jobs/housing balance within the City, as well as the encouragement of a mix of housing types located near job opportunities. Climate Action Strategy 1, Goal CIR-6 and associated Measure CIR-6.12, would increase public education of public transit options through public workshops. Climate Action Strategy 2, Goals LU-7 and LU-8 and Measures LU-7.4, LU-7.8, LU-8.1, LU-8.2, and LU-8.4 through LU-8.8, would promote transit-oriented development within the City. Specifically, multi-modal transit opportunities should be located near higher density residential, mixed-use, and employment development to increase transit ridership and reduce vehicle miles traveled (VMT). Pedestrian-friendly measures are addressed by Climate Action Strategy 2, Goals LU-9 and LU-10, Measures LU-9.1 through LU-9.8, and LU-10.1 through LU-10.9. Mixed-use development, infill development, shortened blocks, and pedestrian-oriented design would encourage pedestrian modes of travel as opposed to vehicular travel. These Strategies and Goals represent a change in the development pattern in order to reduce dependence on automobile use. Furthermore, Climate Action Strategy 3 targets transportation and mobility and identifies opportunities to improve mobility such as walking, bicycling, and transit use, and to decrease the need to drive.

The General Plan 2035 includes several Focus Areas where high density residential, mixed-use, business, and commercial centers would be located. For example, the North Murrieta Business Corridor would focus a mix of commercial and office and research park development around the Loma Linda University Medical Center as well as other support uses. The Clinton Keith/Mitchell Focus Area would provide a variety of uses within an area that is primarily residential uses. The South Murrieta Business Corridor would create a major employment center near proposed transit centers including

Metrolink and high speed rail stations. The Focus Areas improve the mix of uses within each area and within the City to create a jobs/housing balance, provide support uses to reduce travel distances, and focus development near planned mass transit facilities..

J5. The comment states that the policies identified for operational air quality impacts are uncertain and unenforceable. However, the Draft EIR is a programmatic document that analyzes proposed land use changes and anticipated growth within the City. The air quality analysis does not review a specific development project. The General Plan 2035 contemplates development potential in various Focus Areas throughout the City. The proposed land uses as well as the General Plan 2035 goals and policies encourage locating employment centers, providing a mix of uses, and organizing these areas in proximity to existing and planned local and regional transit facilities. Future development projects would require individual CEQA review where specific impacts would be determined and necessary mitigation beyond the General Plan 2035 Goals and Policies would be identified if necessary, along with the requirement to identify mechanisms for timing and enforcement per CEQA.

J6. The Commentator has correctly referenced Exhibit 5.11-1 and that future development within the North Murrieta Business Corridor would occur on lands designated in 2008 as Farmland of Local Importance.

Draft EIR Section 5.11.4, Project Impacts and Mitigation Measures, provides an analysis of impacts related to agricultural resources. To clarify the statement regarding Locally Important Farmland, the following modification on page 5.17-10 of the Draft EIR will be made in the Final EIR.

> The 2008 Important Farmland map shows Locally Important Farmland throughout the City. However, as stated above, most of this land is not ~~believed to be~~ in agricultural production based upon City staff review of parcel records and field inspection, and therefore may not be eligible for inclusion on the Important Farmland maps expected to be released in 2011.

The purpose of an EIR is to determine if there are environmental impacts associated with a proposed project and the significance level of those impacts. For this Draft EIR, the impacts associated with implementation of the proposed project (General Plan 2035) were analyzed and significance levels determined. The Draft EIR is not required to determine the viability of potential agricultural lands. Those determinations are made by the California Department of Conservation and Riverside County. The Draft EIR has accurately reported the types of farmland within the City, based upon the best available information at the time the EIR was prepared.

The Commentator has offered suggestions for mitigation related to agricultural land. It is not necessary to include mitigation, as the impacts related to agricultural resources have all been determined to be less than significant.

J7. The conclusions in the Draft EIR regarding biological resources are supported by the data and analysis in Section 5.10, which are based upon the *Western Riverside County Multiple Species Habitat Conservation Plan*, adopted June 17, 2003, and the *Western Riverside County Multiple Species Habitat Conservation Plan Final Environmental Impact Report/Environmental Impact Statemen*t, adopted June 17, 2003. Both documents have been incorporated by reference in accordance with *CEQA Guidelines* Section 15148, and described in Draft EIR Section 2.7, Incorporation By Reference. Section 2.7, which identifies the conclusions of the Final Environmental Impact Report/Environmental Impact Statement. The following text is restated from Draft EIR pages 2-16 and 2-17.

> *The impact conclusions for the Proposed Action/Proposed MSHCP from the EIR/EIS (Table ES-8) are provided below. All impacts were concluded to be less than significant, except for the following three significant and unavoidable impacts:*
>
> *1) Sensitive Upland (chapparal, coastal sage scrub, desert scrub, grasslands, Riversidean alluvial fan sage scrub)*
>
> *2) Non-Covered Species*
>
> *3) Existing population and housing projections are substantially exceeded*

The following text is restated from Draft EIR pages 2-18 and 2-19 and summarizes the actions taken by the City of Murrieta related to the *Western Riverside County Multiple Species Habitat Conservation Plan* and the *Western Riverside County Multiple Species Habitat Conservation Plan Final Environmental Impact Report/Environmental Impact Statement*.

> *On September 16, 2003, the City of Murrieta City Council adopted Resolution No. 03-124, which is a resolution of the City Council of the City of Murrieta making responsible agency findings pursuant to the California Environmental Quality Act for the Multiple Species Habitat Conservation Plan/Natural Community Conservation Plan and approving the Western Riverside County Multiple Species Habitat Conservation Plan/Natural Community Conservation Plan and Implementing Agreement, adopting the environmental findings pursuant to the California Environmental Quality Act, and adopting a Statement of Overriding Considerations. With Resolution No. 03-124, the City Council resolved:*

A. The Final EIR/EIS prepared for the MSHCP has been received by the City Council and incorporated herein by this reference.

B. The City Council hereby finds and determines that the Final EIR/EIS has been completed incompliance with CEQA and the State CEQA Guidelines and, as the decision-making body for the City of Murrieta, the City Council has review and considered the information contained in the Final EIR/EIS and related documents in the record and all of the environmental effects of the MSHCP.

C. The City Council concurs with the environmental findings in County Resolution No. 2003-299 and adopts these finding, attached hereto as Exhibit B and incorporated herein by this reference. The City Council also finds that there are no additional feasible mitigation measures or alternatives within its powers that would substantially lessen or avoid any significant effects that the MSHCP would have on the environment.

D. The City Council concurs with the statement of overriding considerations in County Resolution No. 2003-299 and adopts the statement, and finding that the benefits of the MSHCP outweigh the adverse environmental impacts not reduced to below a level of significance.

E. The City Council hereby approves the MSHCP and authorizes the Mayor to execute the Implementing Agreement.

F. The City Council hereby authorizes and directs that a Notice of Determination shall be filed with the Clerk of the County of Riverside within five (5) working days of approval of the Project.

Section 2.8, CEQA Document Tiering, provides a description of how *Western Riverside County Multiple Species Habitat Conservation Plan* and the *Western Riverside County Multiple Species Habitat Conservation Plan Final Environmental Impact Report/Environmental Impact Statemen*t, were utilized in the Draft EIR.

The following text is restated from Draft EIR page 2-20.

In the case of this proposed project (General Plan 2035), a Final EIR/EIS was certified for the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) in June 2003. The Final EIR/EIS analyzed the impacts associated with adopting the MSCHP, including the issuance of "Take" permits for certain species pursuant to Section 10(a)(1)(B) of the Federal Endangered Species Act and Section 2800 et seq. of the California Fish and Game Code. The MSCHP was previously described in Section 2.7, Incorporation by Reference, as were the five CEQA/NEPA (National Environmental Policy Act) topical areas reviewed in the Final EIR/EIS.

The Western Riverside County Multiple Species Habitat Conservation Plan Final EIR/EIS is considered a first-tier EIR. The EIR for this proposed project (General Plan 2035) is considered a second-tier EIR for the topic of biological resources. The analysis in this EIR has: 1) incorporated by reference the Western Riverside County Multiple Species Habitat Conservation Plan Final EIR/EIS and 2) will tier the analysis in this EIR to focus on impacts within the City of Murrieta not previously analyzed in the Final EIR/EIS.

The analysis is Draft EIR Section 5.10, Biological Resources, tiers of the data, analysis and conclusions in the Western Riverside County Multiple Species Habitat Conservation Plan Final EIR/EIS, and specifically addresses potential impacts associated with implementation of the Draft General Plan 2035, which is a policy document. No specific development projects are proposed with the Draft General Plan 2035.

Draft EIR pages 5.10-51 through 5.10-54 address consistency impacts with the Western Riverside County Multiple Species Habitat Conservation Plan. The analysis does identify land use Focus Areas that could have future development within the Proposed Linkages and Cores identified in the MSHCP, including the North Murrieta Business Corridor. The analysis correctly identifies that the City of Murrieta is a local Permittee under the MSHCP, and that future development would undergo environmental and design review on a project-by-project basis to confirm consistency with the City's MSHCP Implementation Policy and the MSHCP Specific Conservation Guidelines and Area Plan Conservation Criteria, as provided in the MSHCP and the City's adoption of same. In addition, future development's compliance with the HANS process would ensure consistency with the MSHCP. The analysis appropriately concludes that the less than significant impacts would occur and that the Draft General Plan 2035 does not conflict with the provisions of the Western Riverside County MSHCP.

Cumulative impacts are not ignored in the Draft EIR, but are discussed on Draft EIR pages 5.10-54 through 5.10-56. As noted on page Draft EIR page 5.1-54, "Cumulative biological impacts are analyzed in terms of consistency with the Western Riverside County Multiple Species Habitat Conservation Plan." Draft EIR page 5.10-56 states *"All future development within Western Riverside County would undergo environmental and design review on a project-by-project basis, in order to evaluate potential impacts to biological resources and ensure consistency with the Western Riverside County MSHCP. Future development with potential to impact biological resources would also be required to comply with the established Federal and State regulatory framework."* This statement is appropriate for a Program EIR and for the purpose of analyzing cumulative impacts consistency with the *Western Riverside County MSHCP*.

As noted above, no specific development projects are proposed with the Draft General Plan 2035. In addition, the Draft EIR has been prepared as a Program EIR in compliance with *CEQA Guidelines* Section 15168. Subsequent development projects proposed within the City must be reviewed in the context of the Program EIR to determine if

additional environmental documentation is required. If the subsequent project would have environmental effects not addressed in the Program EIR, additional environmental review will be required. Where no new effects and no new mitigation measures are involved, the subsequent project can be approved without additional environmental documentation. Where an EIR is required for a subsequent project, the EIR should implement the applicable mitigation measures developed in the Program EIR, and focus its analysis on site-specific issues not previously addressed.

The Commentator's statement that the Draft EIR does not address species not listed by the MSHCP is incorrect. As noted in Section 5.10.2, Environmental Setting, page 5.10-35 of the Draft EIR, a total of 27 special status species (plants and wildlife), seven special status plant species (i.e., Federal or State Endangered or Threatened or California Species of Concern), and 20 special status wildlife species (i.e., Federal or State Endangered or Threatened or California Species of Concern) are known or expected to occur with the City or the Sphere of Influence. As noted in *Table 5.10-2* in the Draft EIR, all 54 of the special status species, both plants and wildlife, have been identified within the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). Thus, based upon information available at the time the Draft EIR was prepared, all identified species within the City and the Sphere of Influence are covered by the MSHCP. And therefore, the impact conclusion on the bottom of page 5.10-40 of the Draft EIR correctly states *"All 54 Planning Species (Listed and Non-Listed) known or expected to occur in the City/SOI are adequately conserved under the MSHCP."*

In addition, the City received a letter from the Regional Conservation Authority (RCA) regarding the Draft General Plan and EIR, and provided the following statement.

"The Draft General Plan and DEIR accurately document the City's reliance on the MSHCP for species take on public and private development if the MSHCP's provisions are implemented as required by the Implementing Agreement (IA). If the City maintains consistency with the MSHCP on a project by project basis the MSHCP provides the mitigation for direct, indirect, and cumulative impacts to biological resources under the California Environmental Quality Act."

J8. Section 5.1.4 of the Draft EIR does conclude that the proposed project (General Plan 2035) would conflict with the Riverside County Airport Land Use Compatibility Plan, and as such impacts were concluded to be significant unavoidable (refer to Draft EIR pages 5.1-54 and 5.1-55).

The following text is restated from Draft EIR page 5.1-54, and provides the analysis for the impact conclusion.

> *The existing General Plan is not consistent with the Compatibility Plan, as the General Plan land use designations do not meet the density or intensity criteria specified in the Compatibility Plan, even with the implementation of mitigation*

measures identified in the French Valley Airport Land Use Compatibility Plan Initial Study and Mitigated Negative Declaration. The proposed General Plan 2035 is not recommending any land use changes for the areas within the French Valley Airport Compatibility Zones. Thus, new land use compatibility impacts with the Compatibility Plan for French Valley Airport would not occur. However, existing incompatibility impacts would continue to occur as the proposed General Plan 2035 land use designations for areas within the Airport Zones would remain unchanged. Therefore, as with the existing General Plan, the proposed General Plan 2035 land use designations would not meet the density or intensity criteria specified in the Compatibility Plan, resulting in a significant and unavoidable impact.

As noted in the text from page 5.1-54 in the Draft EIR, the existing General Plan is not consistent with the Compatibility Plan and the proposed General Plan 2035 is not proposing any land use changes for areas within the French Valley Airport Compatibility Zones. It is not necessary to impose new mitigation measures, as the mitigation measures adopted as part of The French Valley Airport Land Use Compatibility Plan Initial Study and Mitigated Negative Declaration (September 2007), which are listed on Draft EIR page 5.1-9, are still applicable.

In addition, a local agency may overrule the Airport Land Use Commission's inconsistency finding. The following text is restated from Draft EIR page 5.1-10.

A local agency general plan or specific plan that includes areas covered by an adopted ALUCP must submit its general plan or specific plan (or any amendments thereto) to the ALUC for a consistency determination. If the general plan or specific plan is considered inconsistent with the ALUCP, the local agency's governing body may "overrule" the ALUC's inconsistency determination after a hearing by a two-thirds vote. In overruling the ALUC's determination, the local agency's governing body must make findings that its general plan or specific plan is consistent with the purposes of the State Aeronautics Act, as stated in California Public Utilities Code Section 21670.

The following statements are acknowledged and will be forwarded to the Planning Commission and City Council for their consideration.

"Furthermore, no policy justification can be provided for allowing houses and other uses within airport hazard zones at densities greater than what is recommended by the ALUC. It is also unclear why the land use designations within the hazard zones cannot be modified or otherwise brought into compliance with the density and other restrictions of the ALUC Plan under the new General Plan."

On May 12, 2011, the City of Murrieta received a conditional consistency finding from the Riverside County Airport Land Use Commission with the French Valley Airport Land Use Compatibility Plan. The consistency finding was made with the addition of several policies into the Final General Plan 2035 requested by the Riverside County Airport Land Use Commission, as well as modification to the lowest residential density per acre for the Rural Residential designation. For the Final General Plan 2035, the following changes will be made: 1) Change the Rural Residential density standard from 0.4 to 1.0 dwelling units per acre to 0.1 to 1.0 dwelling units per acre; 2) Add a policy in the Land Use Element requiring land division projects in the Rural Residential and Single-Family Residential designations that are located within Compatibility Zones C and D to be submitted to the Airport Land Use Commission for consistency review; 3) Add a policy that commercial development and places of assembly within Compatibility Zones B1, C, and D be submitted to the Riverside County Airport Land Use Commission for consistency review, and 4) Add a policy that development shall accommodate open areas as determined by their respective Compatibility Zone. Compliance with these items makes the General Plan 2035 consistent with the French Valley Airport Land Use Compatibility Plan, and will modify the conclusion of a significant unavoidable impact in the Draft EIR to a less than significant impact in the Final EIR.

J9. Refer to Response J7.

J10. Refer to Response J8. In addition, the conclusion regarding Airport Hazards impacts in Draft EIR Section 5.14 is less than significant with compliance with General Plan 2035 Goal LU-25, policies LU-25.8 and LU-25.9, and Mitigation Measure HHM-4. The conclusion is appropriate and no additional mitigation measures are needed.

J11. The comment states that the Draft EIR fails to provide information of the noise levels produced by the construction equipment or the transport of workers and equipment to the construction sites. As noted above, the Draft EIR provides a programmatic analysis of the proposed land use changes and anticipated growth within the City. The construction noise analysis does not review a specific development project. Construction noise may vary widely depending on the type of construction activity, the duration of activity, and specific equipment used.

The City recognizes that construction-related noise could result in localized noise impacts. However, Goal N-4 and the associated policies are provided in the General Plan 2035 and Draft EIR to reduce noise levels from construction activities to an acceptable level. These goals and policies would regulate construction activities, limit the hours, employ construction noise reduction methods, and review activities on a case by case basis to manage these impacts. With the implementation of these policies, the City has determined that construction noise would be managed to a reasonable level. Future development projects would require individual CEQA review where specific construction impacts would be determined and necessary mitigation would be identified.

J12. The Draft EIR acknowledges that with implementation of the General Plan 2035, some residential uses would experience noise levels that would exceed the allowable Land Use Compatibility Criteria. However, Goal N-3 and the associated policies would minimize noise from mobile sources. The associated policies consider noise mitigation measures in the design of and improvements to streets, highways, and freeways as well as working with Caltrans to achieve maximum noise abatement for highway and freeway projects. Compliance with the General Plan 2035 goals and policies would reduce traffic noise exposure at sensitive land uses. Implementation of the goals and polices would be realized through the review of individual development projects by the City for project-specific impacts during any required environmental review. If project-specific significant impacts are identified, specific mitigation measures would be placed on the project as conditions of approval to ensure compliance with the appropriate Land Use Criteria Compatibility Criteria.

J13. *CEQA Guidelines* Section 15155 requires the preparation of a water supply assessment for any "water demand project" defined in this section, as well as in C*alifornia Water Code* Section 10912. The definition of a "water demand project" relates specifically to development projects or development land use plans, as opposed to programmatic plans, such as a General Plan. Therefore, the preparation of a General Plan does not fit within the statutorily defined "water demand project."

As noted in the Office of Planning and Research's *General Plan Guidelines 2003*, cities are required to coordinate with water providers. Prior to action by a legislative body to adopt or substantially amend a general plan, the planning agency must send a copy of the proposed plan or amendment to any public water system, as defined in *Health and Safety Code* Section 4010.1, with 3,000 or more service connections and that serves water to customers within the area covered by the proposal. The public water system has at least 45 days to comment on the proposed plan in accordance with *Health and Safety Code* Section 4010.1(b) and to provide the planning agency with the information set forth in *Government Code* Section 65958.1. Additionally, upon adoption or amendment of the general plan, the same referral must be made (*Government Code* Section 65357(a)). Furthermore, *Government Code* Section 65352.5 directs the water supplier to provide a copy of its most recent Urban Water Management Plan and other water supply information to the city or county upon receiving the aforementioned notice.

The City of Murrieta has complied with *Health and Safety Code* Section 4010.1 and sent the Draft General Plan 2035 and Draft EIR to the following four agencies: 1) Eastern Municipal Water District; 2) Elsinore Valley Water District, 3) Rancho California Water District, and 4) Western Municipal Water District. Urban Water Management Plans (UWMP) are required to be updated every five years. The revised growth projections for the General Plan 2035 will be forwarded to the applicable water districts to use in their 2010 UWMP update.

The 2005 Urban Water Management Plans for the four districts were the most recently adopted UWMPs, and thus served as the basis for Draft EIR Section 5.15, Water Supply. The 2005 Urban Water Management Plans provide a long-range (25-year) assessment; the horizon year is 2030. Clarifying text will be added to the Final EIR to document near-term and long-term water supplies for the four water districts, which will be detailed below. The 2005 UWMPs prepared for all four water districts (Rancho California Water District, Elsinore Valley Municipal Water District, Western Municipal Water District, and Eastern Municipal Water District) indicate there are sufficient water supplies based on normal, dry and multiple dry years and water shortage contingency plans to meet existing and future regional water needs through 2030.

The following text changes will be made to Section 5.15.2, Water Supply, in the Final EIR.

Rancho California Water District. The following paragraphs will be added following the last paragraph on page 5.15-14 of the Draft EIR under the subheading of Rancho California Water District. The text will be included in Section 5.15.2, Environmental Setting.

Near-Term and Long-Term Water Supply[1]

The implementation of RCWD's Regional Integrated Resources Plan (IRP), would allow the District to meet demands over the next 45 years in a sustainable and cost-effective manner. It would also reduce the dependency on treated imported water from MWD, and help hedge against droughts and other emergencies by maximizing local groundwater.

The IRP has determined that its local supply of groundwater and recycled water is 100 percent reliable for the period extending to 2030. To minimize fluctuations in groundwater production, the IRP recommends increasing groundwater recharge with additional purchases of imported water. This increase would permit increased withdrawals of groundwater while minimizing the chance of overdraft conditions and allow for storage of excess water for use in years when natural recharge is diminished as a result of hydrologic conditions. Recycled water supplies may insignificantly fluctuate during varying hydrologic conditions as conservation increases, but these slight fluctuations would not reduce the reliability of the recycled water supply. Normal year supplies vary and would continue to increase in the future as the population base in the service area increases requiring additional groundwater withdrawals and recycled water.

[1] *2005 Update of the Urban Water Management Plan, Rancho California Water District, CDM, December 2005 (refer to EIR Appendix N1: 2005 Urban Water Management Plan).*

The IRP is designed to minimize any inconsistencies in its local supply sources and provide multiple flexible sources of water. Inconsistencies that could impact groundwater production include legal, environmental, water quality, and climatic conditions. Legal issues include use of groundwater basin by other producers, rights to store water at Vail Lake for recharge outside of the current period between November 1 and April 30. Environmental issues include disposal of brine associated with construction of a microfiltration/reverse osmosis (MF/RO) recycled water facility. Water quality issues revolve around contamination of groundwater basins, potential changes to water quality standards, and the use of MF/RO water for agricultural use.

RCWD's imported water supply is purchased through EMWD and WMWD, but is obtained directly from MWD's facilities. The agency demand projections for these two wholesalers are combined to arrive at one demand on MWD. Table 8-5 of the *2005 Update of the Urban Water Management Plan, Rancho California Water District* (refer to *Appendix N1*, *2005 Urban Water Management Plan)*, illustrates MWD's existing and planned sources of water for the period 2010-2030. In summary, through 2030, the total MWD current and planned source of water is 3,459,500 AFY.

MWD has determined in the Rancho California Water District UWMP (RCWD UWMP) that its resource mix is 100 percent reliable for non-discounted non-interruptible demands using previous dry periods for the forecast period 2005-2030. Even though MWD can reliably meet RCWD's demands, the capacity constraint issue associated with the turnouts would potentially cause future peak day water shortages after 2025. Implementation of RCWD's IRP would eliminate the capacity constraints and resolve any peak day water shortages.

Overall, during single-dry and multiple-dry years RCWD's combined local and imported resource mix is 100 percent reliable for non-agricultural customers with implementation of RCWD's IRP. The IRP delineated supply sources are flexible and designed to supplement each other if one source is reduced.

Elsinore Valley Municipal Water District. The following paragraphs will be added following the last paragraph on page 5.15-15 of the Draft EIR under the subheading of Elsinore Valley Municipal Water District. The text will be included in Section 5.15.2, Environmental Setting.

Near-Term and Long-Term Water Supply[2]

The projected normal water year supply includes local groundwater and surface water as well as imported MWDSC water sources. *Table 5.15-3* above summarizes the projected normal water year supply until 2030. According to the *Urban Water*

[2] *Urban Water Management Plan Final Report, Elsinore Valley Municipal Water District, MWH, December 2005 (refer to EIR Appendix M1: 2005 Urban Water Management Plan).*

Management Plan, Elsinore Valley Municipal District (refer to *Appendix M1*, *2005 Urban Water Management Plan)*, current and anticipated future supplies are sufficient to meet the projected normal year water demand through 2030.

EVMWD has predicted that sufficient supply also exists to meet the current and anticipated future demands for both single dry year and multiple dry year requirements through 2030. Dry years may prompt additional water conservation measures to ensure sufficient supply is maintained. After 2020, additional water from the MWDSC, not including the supply already planned for through the Auld Valley Pipeline (AVP) and Temescal Valley Pipeline (TVP), would be imported to supply increasing maximum day demand (MDD).

Western Municipal Water District. The following paragraphs will be added following *Table 5.15.-4* of the Draft EIR under the subheading of Western Municipal Water District. The text will be included in Section 5.15.2, Environmental Setting.

Near-Term and Long-Term Water Supply[3]

The projected normal water year supply includes both potable water from the SWP for various uses and the untreated non-potable water from the CRA for agricultural and landscape irrigation. Wholesale water sales also comprise a portion of the supply Western receives from MWD. As mentioned above and according to the *Urban Water Management Plan, Western Municipal District* (refer to *Appendix O1*, *2005 Urban Water Management Plan)*, MWD has projected that sufficient supplies exist to meet the demands for their agencies through 2030

Also mentioned above, MWD has predicted that sufficient supply also exists to meet demands for both single dry year and multiple dry requirements through 2030. As required, droughts may prompt additional water conservation measures to ensure sufficient supply is maintained. However, normal demands are used to provide conservative estimations of demand. MWD has projected that sufficient supplies exist to meet demands during dry years for their agencies. Therefore, supplies would equal demands since MWD would deliver the needed quantities of water while placing supplies not required on a yearly basis into storage for use in emergency conditions or droughts. The Riverside/Corona Feeder project would provide infrastructure to allow WMWD to purchase SWP water from MWD, store it in the San Bernardino Basin Area, and extract as needed.

Eastern Municipal Water District. The following paragraphs will be added following *Table 5.15.-5* of the Draft EIR under the subheading of Eastern Municipal Water District. The text will be included in Section 5.15.2, Environmental Setting.

[3] *Urban Water Management Plan, Western Municipal Water District, 2005 (refer to EIR Appendix O1: 2005 Urban Water Management Plan).*

Near-Term and Long-Term Water Supply[4]

According to the *Urban Water Management Plan, Eastern Municipal District* (refer to *Appendix L1*: *2005 Urban Water Management Plan*), EMWD has the supply needed to meet the demand of its customers through 2030. The conclusion is based on the assurances of MWD that it would be able to supply member agency demands, the reliability of local groundwater supplies achieved through groundwater management plans and the development of recycled water resources.

In addition to meeting the demand for a normal dry year, the law requires that water suppliers meet the need of its customers during a single dry year. For EMWD, meeting the minimal increase in demand due to a dry winter is accomplished through increasing the imports from MWD and utilizing groundwater production. MWD assures its member agencies that their needs would be met even during dry years. The groundwater management plans assure that water recharged into the basins in wet years would be available in dry years.

During multiple dry years, resource planning by EMWD and MWD insures that consumer demands for water would be met. Since local resources are stable during a multiple dry year event and MWD resources are affected by weather fluctuations, the 1990-1992 hydrology conditions were considered. These were the dry years considered by MWD in planning for the worst case multiple dry year scenarios. With the assurance of MWD and the reliability of EMWD's groundwater and recycled water, EMWD is confident of its ability to meet demand through 2030.

The growth associated with the proposed General Plan 2035 was compared against the most recently adopted UMWPs (2005), and the Draft EIR concluded that Murrieta would use only 2.36 percent of the 2030 water supply from the four water districts. The 2005 UWMPs prepared for RCWD, EVMWD, WMWD, and EMWD indicate there are sufficient water supplies based on normal, dry and multiple dry years and water shortage contingency plans to meet existing and future regional water needs, including the proposed General Plan 2035, through 2030.

The following text changes will be added to page 5.15-9 of the Draft EIR, preceding *Table 5.15-6*, in the Final EIR. The text will be included in Section 5.15.4, Project Impacts and Mitigation Measures.

[4] *Urban Water Management Plan, Eastern Municipal Water District, 2005 (refer to Appendix L1: 2005 Urban Water Management Plan).*

Water Supply

Implementation of the proposed General Plan 2035 would result in additional development, resulting in an increase in the City's population and businesses, and thus, an overall increase in total water demand.

~~As stated, t~~The City relies on water connection services provided by four water districts: RCWD, EVMWD, WMWD, and EMWD. The UWMPs for all four water districts provide a long-range (25-year) assessment of water supply for each service area, which includes the City of Murrieta. An UWMP serves as a source document for cities and counties as they prepare their General Plans. Each water district has its own 2030 service area population projection derived from housing projections, SCAG projections, and persons per household data. The studies assess water supply to forecast year 2030 taking into consideration groundwater, imported, recycled and surface water supplies, as well as wastewater. In addition to water supply, the UWMPs address efficient use of water, demand management measures, implementation strategies and schedules, and other relevant information and programs.

The 2005 UWMPs prepared for RCWD, EVMWD, WMWD, and EMWD indicate there are sufficient water supplies based on normal, dry and multiple dry years and water shortage contingency plans to meet existing and future regional water needs through 2030. According to the UWMPs for each water district, the total planned water supply through 2030 for the RCWD, EVMWD, WMWD, and EMWD is ~~140,400~~ 98,931 AF/Y, 77,919 AF/Y, 241,649 AF/Y, and 245,200 AF/Y, respectively for a combined water supply of ~~705,158~~ 663,699 AF/Y; refer to *Table 5.15-2*, *Table 5.15-3*, *Table 5.15-4*, and *Table 5.15-5*. The City currently consumes approximately 39,179AF/Y[5] of water resources to meet all constituent existing demands; refer to *Table 5.15-1*. It is anticipated that water demand ~~would gradually increase~~ associated with implementation of the proposed General Plan 2035 would increase by approximately 13,946.036 gpd or 15,632 AF/Y[6] in the year 2035; refer to *Table 5.15-6*, *Forecast Year 2035 Water Demand*. The proposed General Plan 2035 growth would require only ~~0.02222~~ 2.36 percent of the 2030 ~~anticipated~~ water supply from these four water districts. *Table 5.15-6* averaged the RCWD Water Supply Generation Factor with the EVMWD Water Supply Generation Factor to calculate the entire City's existing water demand as these were the only available Water District Generation Factors. WMWD and EMWD were contacted but no Water District Generation Factors were made available. The WMWD and EMWD UWMPs were reviewed but didn't include Water District Generation Factors.

[5] Rancho and Elsinore Water District generation factors (averaged the generation factors to calculate the entire City's existing water demand).

[6] Rancho and Elsinore Water District generation factors (averaged the generation factors to calculate the entire City's forecast year 2035 water demand).

The following text changes will be added to page 5.15-9 of the Draft EIR, following *Table 5.15-6*, in the Final EIR. The text will be included in Section 5.15.4, Project Impacts and Mitigation Measures.

> The 2005 UWMPs have a 25-year planning horizon to 2030, which includes the 2030 growth projections for the existing Murrieta General Plan (1994, amended 2006). The existing General Plan projects a total of 40,845 dwelling units and 49,073,504 square feet of non-residential uses. These uses generate a water demand of 54,355.52 AF/Y, which represents 8.19 percent of the total anticipated supply of the four water districts in 2030. As a point of comparison, the proposed General Plan 2035 includes 44,484 dwelling units and 50,189,652 square feet of non-residential uses. These uses generate a water demand of 59,009.68 AF/Y, which represents 8.89 percent of the total anticipated supply of the four water districts in 2030. The incremental increase of the proposed General Plan 2035 represents a 0.70 percent increase over what is currently accounted in the 2005 UWMPs.
>
> Based upon the 2005 UWMPs, the four water districts would have adequate water supplies based on normal, dry and multiple dry years and water shortage contingency plans to meet the future regional water needs, including the growth anticipated with the proposed General Plan 2035, through 2030. It is too speculative to determine 2035 water supplies at this time.[7] The water suppliers are planning to meet increased demand and reduce dependence on imported water. Their plans include water storage and groundwater recharge, treatment of wastewater to supply recycled water, and treatment of other non-potable water sources to increase potable water supply. RCWD plans to create additional wells and construct a facility to reduce the salinity of recycled water for agricultural use. EVMWD plans to increase its supplies of imported water and construction additional wells. WMWD plans include developing additional storage and pipeline infrastructure, and seeking diversions from the Santa Ana River. EMWD is seeking to increase water supplies through investment in facilities that treat wastewater, groundwater, and raw water from the State Water Project.

It is also worth noting that the Rancho California Water District provided a comment letter on the Draft EIR and raised no issues related to the impact conclusions.

Refer to Response J2 regarding the purpose and future use of Program EIRs. It is appropriate the individual water demands of future development would be studied to determine their consistency with the findings in the General Plan 2035 EIR.

[7] This EIR is based upon the 2005 UWMPs, which were the most recently adopted UWMPs at the time the EIR was prepared. As of February 2011, the four water districts began the process of updating their 2005 UWMPs to 2010. The 2010 UWMPS will have a horizon year of 2035, but were not completed prior to release of the Draft EIR. The City of Murrieta will provide all four water districts with the Draft General Plan 2035 growth projections for inclusion in the 2010 UWMPs, as required by the California Government and Water Codes.

J14. The Draft EIR has identified significant unavoidable traffic impacts for 16 intersections and to roadway segments shown on *Exhibit 5.4-14*, *General Plan 2035 Daily Volume-to-Capacity Ratios*.

The Commentator offers opinion that "The City cannot make the policy decision that the purported benefits of the project outweigh these significant new traffic impacts." As part of the consideration of the Final EIR, the City Council will review and chose whether to adopt or not a Statement of Facts and Findings and a Statement of Overriding Considerations. The requirements for the Statement of Overriding Considerations are articulated in the following paragraph.

After considering the Final EIR in conjunction with making findings, the Lead Agency (City of Murrieta) must not approve the project if the project will have a significant effect on the environment after imposition of feasible mitigation measures, unless (emphasis added) the Lead Agency finds that the benefits of a proposed project outweigh the unavoidable adverse environmental effects (*CEQA Guidelines* Sections 15092 and 15096(h)). However, when approving a project with unavoidable significant environmental effects, the Lead Agency is required by CEQA to prepare a Statement of Overriding Considerations. The Statement of Overriding Considerations is a written statement explaining why the agency is willing to accept the significant effects (*Public Resource Code* Section 21081, *CEQA Guidelines* Section 15093), and requires the Lead Agency to balance the benefits of a proposed project against the unavoidable environmental risks in determining whether to approve a project. The Statement of Overriding Considerations sets forth the specific overriding social, economic, legal, technical, or other beneficial project aspects supporting the Lead Agency's decision.

The Draft EIR identified no mitigation measures for traffic. With respect to the enforceability of air quality mitigation measures, refer to Response J3.

J15. *CEQA Guidelines* Section 15064.4 requires future projects to comply with the policies of the Climate Action Plan (CAP) to reduce greenhouse gas (GHG) emissions. As a result, future projects would be required to reduce GHG emissions in order to achieve the City's reduction goal and comply with the CAP. Mitigation would be required for future projects that are not compliant with GHG reduction strategies identified in the CAP.

J16. Clarification text will be added to Draft EIR Section 3.2 following the last page paragraph on page 3-1, as shown below.

Economic Development Foundation for General Plan Update

Prior to commencing the comprehensive update to the City's General Plan, the City Council undertook a number of steps that lead to Council's determination that economic development is the City's number one priority and how that priority would serve as the foundation for the General Plan Update.

February 2008

The City Council authorized a sub-committee of the Council, comprised of two Council members, to evaluate a land use strategy benefiting the City's economic future. The Land Use Sub-Committee's directive was to meet with staff (City Manager, Planning Director, and Economic Development Director) to discuss the City's long-term economic opportunities, to determine if land uses and development standards should be amended to meet the City's economic objectives for the generation of revenue and the promotion of jobs.

October 2008

The City Council put in place Murrieta's first Comprehensive Economic Development Strategy (refer to Appendix U), which established economic development as the City Council's number one priority. The strategy is intended to diversify the City's economic base through three key purposes: 1) to serve as a roadmap for public and private actions to stimulate economic development, 2) encourage growth and diversification of the local economy, and 3) to promote the creation of higher pay jobs, income, and wealth in the community. The Strategy articulates a 20-year vision that includes both short-term and long-term actions, along with the following vision statements:

- Murrieta to become diversified retail, corporate, and business hub for the region, offering high quality development, safe environment, and outstanding quality of life.

- Murrieta will become home to technologically advanced firms, higher educational facilities, wide variety of national and upscale retail, sit-down restaurants, quality hotels and new specialty auto dealerships, and a revitalized Historic Downtown.

December 2008

A City Council workshop was conducted presenting the recommendations of the Land Use Sub-Committee and directed staff to return to the City Council with a work program and budget. The Land Use Sub-Committee determined that as land for office and research and development opportunities becomes saturated in the greater San Diego area, the City of Murrieta will provide the land for the next wave of development expansion. One intent of the general plan update is to place Murrieta in a positive position, so that when economic conditions improve, the City will be prepared to embrace that development expansion. The Land Use Sub-Committee was very sensitive to the desire to have a comprehensive update to the City's General Plan in place for the 2010/11 market. The City's first General Plan was adopted in 1994 and presented a low-intensity suburban vision that is not necessarily consistent with the economic strategy currently contemplated.

The Sub-Committee recommended the primary focus of land use considerations in the General Plan Update be those areas that have the greatest potential to accept the next

wave of economic expansion, including 1) Antelope Corridor (primarily east side of I-215 to Meadowlark Lane, and from Scott Road to Clinton Keith Road); 2) South Murrieta Business Corridor (generally from I-15 east to Jefferson Avenue and from Murrieta Hot Springs to the southerly City limits); 3) Murrieta Hot Springs North (generally between I-15 and I-215, between Murrieta Hot Springs and Los Alamos Roads).

April 2009

Staff gave a presentation to the City Council regarding the potential work program for comprehensive update to the General Plan, Zoning, and Development Code. The presentation identified three key questions related to Murrieta's Long-Term Vision: 1) Is it good for the City?, 2) Does it produce jobs?, and 3) Does it generate revenue?

June 2009

The City issued a Request for Proposal (RFP) for the Comprehensive General Plan Update, Redevelopment Area Land Use Analysis and Environmental Impact Report to prospective consultants. Section II of the RFP reiterates the City's focus on economic development for the general plan update.

The Murrieta City Council has designated Economic Development as its Number One Priority. The City has recently established its first Comprehensive Economic Development Strategy, which spells out the City's 20 year vision for Murrieta as a diversified business hub for Southwest Riverside County and neighboring North San Diego County. The Strategy seeks to encourage private sector investment in the creation of higher paying jobs, income, and wealth in Murrieta through economic diversification. Murrieta is seeking a full range of quality new development, including retail centers, which are anchored by department stores, national and lifestyle retailers, corporate/technology parks, hotels, and upscale restaurants. Murrieta is promoting itself, on a long term basis, as the home of technogically-advanced firms and higher educational facilities, including healthcare, medical facilities and services, software companies, engineering companies, medical device companies, biotechnology firms, defense contractors, research and development operations, green-tech, and light manufacturing. During the current economic downtown, the City is focused on creating the foundation for its future economic prosperity through public investments in its infrastructure and by adopting General Plan policies and Development Code regulations which promote the development of shovel ready sites.

In conclusion, the City Council established a Comprehensive Economic Development Strategy in October 2008, making economic development of Murrieta the number one priority for the City. The Strategy served as one of the key factors to initiate the comprehensive General Plan Update.

Clarification text will be added under the heading Determination of Alternatives To Be Reviewed" on Draft EIR page 6-6 in the Final EIR to further detail the City Council's number one priority of Economic Development, and how that priority influenced the selection of land use scenarios for the General Plan 2035.

Determination of Alternatives to Be Analyzed

Key factors used to determine the range of feasible alternatives to the proposed General Plan 2035 include the objectives established for the EIR process, the City Council's number one priority of Economic Development, and ~~along with~~ the community values and vision for the General Plan 2035.

The basic objectives of the proposed General Plan 2035 and General Plan EIR are set forth specifically and in detail in Section 3.3, Statement of Objectives. Section 3.2, Background, provides the framework for the economic development foundation for the General Plan 2035, and is summarized in the following sentences. The City Council established a Comprehensive Economic Development Strategy in October 2008, making economic development of Murrieta the number one priority for the City. The Strategy served as one of the key factors to initiate a comprehensive General Plan Update. The update process involved a number of steps, including but not limited to, visioning and community involvement that led to the establishment of ten community priorities; a complete revision to all the elements, and the addition of new elements. The community priorities are reflected throughout the General Plan 2035, and have been previously stated in this Section. The land use alternatives for the General Plan Update were developed based upon the City Council's number one priority along with the City's goal to revitalize and make Murrieta a regional hub of economic activity. Both of these served as key driving factors for the update and ultimately to the City Council and Planning Commission selection of a Recommend Land Use Scenario and two additional alternatives (Scenario A and Scenario B). The land use changes identified in the Land Use Element that make way for this revitalization and economic activity are the cornerstones of General Plan 2035.

~~Community priorities have been previously stated in this section.~~ With these factors in mind, the following alternatives have been identified for detailed analysis in this section:

- No Project/Existing General Plan
- Scenario A
- Scenario B

The Recommended Land Use Scenario and Scenarios A and B were fully vetted by the City Council, Planning Commission, and community through land use meetings held in March through July 2010. A community workshop was held on March 27, 2010. In addition, land use meetings within the five areas designated for land use change were held in 2010, as listed below:

- North Murrieta Business Corridor – March 23 and June 2
- Clinton Keith/Mitchell – March 25 and June 8
- Multiple Use (MU-3) Area – April 22 and June 7
- Golden Triangle North – May 3 and June 10
- South Murrieta Business Corridor – March 29

The land use meetings were held to solicit input on the vision and land use alternatives for each focus area. These meetings were open to not only property owners and businesses within the focus area, but also open to all residents and property owners in the City.

In addition, two joint City Council and Planning Commission workshops were held on June 23, 2010 and July 6, 2010 to review land use alternatives for the five focus areas with land use change and to have the City Council and Planning Commission to select a recommended land scenario for each of the five areas. The joint City Council and Planning Commission workshops were publicly noticed and open to all residents and property owners.

Section 6.0, Alternatives, of the Draft EIR analyzed three alternatives to the proposed project in compliance with *CEQA* and the *CEQA Guidelines*: No Project/Existing General Plan Alternative, Scenario A Alternative, and Scenario B Alternative. Scenario A and Scenario B represent alternative land use scenarios developed during the Land Use Alternatives part of the update process. Thus, these are reasonable and feasible alternatives to the proposed project and are reflective of the City Council's number one priority of Economic Development and the City's goal to revitalize and make Murrieta a regional hub of economic activity. Both of these served as key driving factors for the update and ultimately to the City Council and Planning Commission selection of a Recommend Land Use Scenario and two additional alternatives (Scenario A and Scenario B).

The Draft EIR does identify Scenario A as the environmentally superior alternative to the proposed project and clearly articulates the reasons for the selection as environmentally superior. The Commentator offers his opinion regarding the selection of Scenario A as the environmentally superior alternative; however, the City does not concur with this opinion.

Future development under any alternative scenario reviewed in Section 6.0 (No Project/Existing General Plan Alternative, Scenario A Alternative, and Scenario B Alternative) would occur on vacant or underutilized land, both within the identified Focus Areas and throughout the City. It is this potential growth over existing conditions that results in the exceedance of the significance threshold criteria and the identification of significant unavoidable impacts for traffic, air quality, noise, and parks and recreation. As shown in Section 6.0, the traffic, air quality, and noise impacts are generally similar for the three alternatives reviewed as compared to the proposed project for this reason.

The Commentator opines that an alternative that reduces the commercial or other similar uses contemplated in the Focus Areas would lessen the significant traffic, air quality, and noise impacts of the project. The existing General Plan does just that and reflects different residential and non-residential land use alternative (less buildout potential) when compared to the proposed project, Scenario A Alternative, and Scenario B Alternative, particularly for the identified Focus Areas. However as the analysis in Section 6.0 shows, significant unavoidable traffic, air quality, and noise impacts would occur even if the existing General Plan remains in place and development proceeds according to that plan. It is the amount of vacant and underutilized land throughout the City and the potential future growth under the existing General Plan or any other land use alternative scenario that would generate the significant unavoidable impacts for traffic, air quality, and noise. Therefore, an alternative with reduced commercial and/or other similar uses would not eliminate significant unavoidable traffic, air quality, or noise impacts, and as such a review of the suggested alternative will not be added to the Final EIR.

STATE OF CALIFORNIA

GOVERNOR'S OFFICE *of* PLANNING AND RESEARCH

STATE CLEARINGHOUSE AND PLANNING UNIT

JERRY BROWN
GOVERNOR

March 25, 2011

Greg Smith
City of Murrieta
24601 Jefferson Ave
Murrieta, CA 90622

Subject: Murrieta General Plan Update
SCH#: 2010111084

Dear Greg Smith:

The State Clearinghouse submitted the above named Draft EIR to selected state agencies for review. On the enclosed Document Details Report please note that the Clearinghouse has listed the state agencies that reviewed your document. The review period closed on March 24, 2011, and the comments from the responding agency (ies) is (are) enclosed. If this comment package is not in order, please notify the State Clearinghouse immediately. Please refer to the project's ten-digit State Clearinghouse number in future correspondence so that we may respond promptly.

Please note that Section 21104(c) of the California Public Resources Code states that:

> "A responsible or other public agency shall only make substantive comments regarding those activities involved in a project which are within an area of expertise of the agency or which are required to be carried out or approved by the agency. Those comments shall be supported by specific documentation."

K-1

These comments are forwarded for use in preparing your final environmental document. Should you need more information or clarification of the enclosed comments, we recommend that you contact the commenting agency directly.

This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act. Please contact the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process.

Sincerely,

Scott Morgan
Director, State Clearinghouse

Enclosures
cc: Resources Agency

CITY OF MURRIETA
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1400 10th Street P.O. Box 3044 Sacramento, California 95812-3044
(916) 445-0613 FAX (916) 323-3018 www.opr.ca.gov

Document Details Report
State Clearinghouse Data Base

SCH# 2010111084
Project Title Murrieta General Plan Update
Lead Agency Murrieta, City of

Type EIR Draft EIR

Description Comprehensive General Plan Update. Anticipated growth over existing conditions: +10,734 dwelling units and +36,210,757 square feet of non-residential uses (Commercial, Professional and Office/Office and Research Park, Business Park, Industrial, and Civic/Institutional). Land use changes are anticipated in five Focus Areas: North Murrieta Business Corridor, Clinton Keith/Mitchell, Golden Triangle North (Central Murrieta), South Murrieta Business Corridor, and Multiple Use 3 (MU-3).

Lead Agency Contact

Name Greg Smith
Agency City of Murrieta
Phone 951-461-6414 **Fax**
email
Address 24601 Jefferson Ave
City Murrieta **State** CA **Zip** 90622

Project Location

County Riverside
City Murrieta
Region
Lat / Long
Cross Streets
Parcel No.
Township **Range** **Section** **Base**

Proximity to:

Highways Hwy 15, 215, 79
Airports Yes
Railways
Waterways Yes
Schools Yes
Land Use Multiple General Plan and Zoning Designations

Project Issues Aesthetic/Visual; Agricultural Land; Air Quality; Archaeologic-Historic; Biological Resources; Drainage/Absorption; Economics/Jobs; Forest Land/Fire Hazard; Geologic/Seismic; Minerals; Noise; Population/Housing Balance; Public Services; Recreation/Parks; Schools/Universities; Septic System; Sewer Capacity; Soil Erosion/Compaction/Grading; Solid Waste; Toxic/Hazardous; Traffic/Circulation; Vegetation; Water Quality; Water Supply; Wetland/Riparian; Growth Inducing; Landuse; Cumulative Effects

Reviewing Agencies Resources Agency; Department of Conservation; Department of Fish and Game, Region 6; Office of Historic Preservation; Department of Parks and Recreation; Department of Water Resources; Office of Emergency Management Agency, California; Caltrans, Division of Aeronautics; California Highway Patrol; Caltrans, District 8; Department of Housing and Community Development; Regional Water Quality Control Board, Region 9; Department of Toxic Substances Control; Native American Heritage Commission

Date Received 02/08/2011 **Start of Review** 02/08/2011 **End of Review** 03/24/2011

Note: Blanks in data fields result from insufficient information provided by lead agency.

K. RESPONSES TO COMMENTS FROM SCOTT MORGAN, DIRECTOR, STATE OF CALIFORNIA, GOVERNOR'S OFFICE OF PLANNING AND RESEARCH, STATE CLEARINGHOUSE AND PLANNING UNIT, DATED MARCH 25, 2011.

K1. The comment acknowledges the closing of the public review period on March 24, 2011 and forwards comments received by the State Clearinghouse during that time. The comment notes that the City has complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act. This comment is acknowledged, and no revisions to the Draft EIR are necessary.

One State agency provided comments to the State Clearinghouse on the Draft EIR: Native American Heritage Commission. Refer to Comment Letter C and associated responses.

COMMENT LETTER L

MaryAnn Shushan Miller

35510 Los Alamos Rd. * Murrieta, CA 92563 * (951) 505-7428 * maryannshushan@yahoo.com

==========

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City of Murrieta
Greg Smith, Associate Planner

March 8, 2011

The Citizens for Quality Life in Murrieta- CQLM, is a grassroots, local community group. L-1

We support CQLM in their efforts as an advocate for General Plan Goals and Policies for the Los Alamos Hills Specific Plan to be included in this General Plan. Time is of the essence. L-2

The staff and one councilman have agreed that the Los Alamos Hills shall have their Specific Plan. The General Plan, as written says otherwise. L-3

The Goals and policies submitted by CQLM have been diluted and or omitted. The General Plan in its Environmental Impact Report (EIR) has policies in direct conflict with the Los Alamos Hills Specific Plan goals.

1) The city has not accepted and included in this Murrieta General Plan the boundary for the Los Alamos Hills Specific Plan area. Without this boundary, all of the EIR elements cannot be adequately studied and reviewed to allow tiering from this General Plan EIR when and if the Los Alamos Hills Specific Plan is adopted. Why is this important, the cost. If the EIR has not adequately addressed the impacts for the Los Alamos Hills Community, within these boundaries, then a new EIR will be required at hundreds of thousands of dollars. A significant impact and deterrent. L-4
2) The Los Alamos Hills residents understand that to be a viable and sustainable Specific Area a mixed use zoning overlay must be included in most of the properties east of Warm Springs Creek designated for development. This zoning will allow some residential and some commercial development which will generate the revenue stream necessary to install and maintain, water, and sewer lines from the Sports Park to Winchester Road. This infrastructure improvement is crucial for public safety and for sustainability. Our ground water supply is being diminished by the normal ground water replacement being diverted as we are surrounded by high density development and EMWD digs new wells to meet this demand L-5

3) The City signed a resolution 9/2004 agreeing to implement MSHCP (Multi-species Habitat Conservation Plan). This plan alludes to protecting endangered habitat, the reality is this plan is an experiment to "take" privately owned properties and introduce species into the area. We are all familiar with the Calvary Law suit with pre-condemnation and inverse condemnation issues. The plan is attempting to connect a "corridor" for these species to traverse through Murrieta and connect to other of the 15 member cities. The burden for the cost of this plan is being paid, in total, by the financial ruin of Los Alamos Hills's residents and the systematic destruction of this beautiful, historical, rural area. Los Alamos Hills could be a treasure for many families to enjoy. L-6

4) Councilman Long is working on including goals and policies, in this General Plan to protect private property rights, and the city from inverse condemnation law suits. The proposed policies when implemented will provide relief for all city property owners under the blanket of MSHCP defacto zoning overlay. In the Hans process (Habitat Assessment and Negotiation process) willing sellers of portions of their land throughout the city would be able to file a joint HANS application aimed at connecting the "corridor" at the "low range" of the habitat range requirement for the city at 1,580 acres. The private property owners would be allowed to use the balance of their property and develop as allowed in their- zoning. L-7

Citizens for Quality Life in Murrieta- CQLM is requesting and I support:

- Establish the Los Alamos Hills Specific Plan Boundary in this General Plan before adoption as submitted 12/29/2010 with the General Plan Goals and Policies for the Los Alamos Hills Specific Plan.
- We request the Planning commissioners to submit a proposal/demand to the City Council , that the Los Alamos Hills Specific Plan area boundary be designated as submitted by CQLM on behalf of the residents. This boundary would include the business park area and Regents Center proposed development, east of Warm Springs Creek in Los Alamos Hills Specific Plan area as a "mixed use" zoning. L-8
- Establish a Capital Account to hold infrastructure funding collected, to replace funds previously collected from Los Alamos Hills residents and used elsewhere in the city, and collect future development impact fees from within the Los Alamos Hills Specific Plan area to help fund future infrastructure , roads, water, and sewer, so vital for the neglected core of Los Alamos area.
- The Los Alamos Hills residents by a 2/3 vote will adopt a self- assessment utilizing the 1913 act or similar funding mechanism for partially built, existing communities.
- All EIR conflicting policies should be removed or revised to allow the proposed development in Los Alamos Hills.
  See LU-1.6 "..future development that reduce infrastructure need.."
  and LU-1.7 "Insure necessary capital improvements in place PRIOR to new development or completed concurrently". L-9

Thank you for your help. We appreciate all you do.

Mary C Shuckson Miller

L. RESPONSES TO COMMENTS FROM MARYANN SHUSHAN MILLER, DATED MARCH 8, 2011.

L1. The Commentator states her support for Citizens for Quality Life in Murrieta (CQLM) and their efforts related to the Los Alamos Hills Specific Plan and inclusion of the specific plan into the General Plan.

L2. The Commentator makes a statement that City Staff and one councilman have agreed that the Los Alamos Hills shall have a Specific Plan, and that the General Plan as written says otherwise.

The General Plan 2035 is supportive of a Specific Plan for the Los Alamos Hills, and has identified the Los Alamos Hills as a focus area for policy change (no land use changes), and includes five goals (Land Use Element Goal LU-19 through LU-23) specific to this area, which are restated below:

GOAL LU-19 Preparation of a Specific Plan for the Los Alamos Hills area.

GOAL LU-20 West of Warm Springs Creek, preserve the historic rural character of the Los Alamos Hills area by maintaining its unique environment rural style with low-density development and small rural roads while preserving natural features.

GOAL LU-21 Appropriate land use transitions between rural land uses west of Warm Springs Creek and more intense land uses east of Warm Springs Creek.

GOAL LU-22 Natural and visual resources are valued resources to maintain the rural character of the Los Alamos Hills.

GOAL LU-23 A circulation system that provides adequate access for all property owners in the Los Alamos Hills area.

As shown above, Goal LU-19 calls for the preparation of a Specific Plan for the Los Alamos Hills area.

It is important to note that specific plans are a tool for implementing a general plan by establishing a link between implementing policies of a general plan and the individual development proposals within a defined area. Often times, specific plans establish new or unique zoning and development standards for defined areas.

Specific plans present the land use and design regulations that guide development, and/or incorporate land use and zoning regulations, infrastructure plans, and development approval processes for the development. They are organized into a concise set of

development policies and include land use regulations, a capitol improvement program, or financing program within a single document.

L3. CQLM did submit draft goals and policies to City staff for inclusion in the General Plan 2035. However, some of the goals and policies submitted by CQLM have not been included in the General Plan 2035 due to: 1) recommendation of specific land use changes, 2) conflicts with other goals and policies in the General Plan 2035, 3) duplicative goals and policies with ones in the General Plan 2035, or 4) not appropriate to include due to legal implications for the City.

The Commentator has stated that the Environmental Impact Report (EIR) has policies in conflict with the Los Alamos Hills Specific Plan. That is the opinion of the Commentator. The Draft EIR references and is consistent with the goals and policies in the General Plan 2035.

L4. With respect to the proposed boundary for the Los Alamos Hills Specific Plan, a formal application has not yet been submitted to the City. Thus, the General Plan 2035 does not include a definitive boundary, but instead identifies the area for a future specific plan, as shown on *Exhibit 3-1*, *Specific Plan Areas*. Only those areas with adopted Specific Plans have been shown on *Exhibit 3-1*. Upon adoption of a Specific Plan for Los Alamos Hills, *Exhibit 3-1* would be updated.

The acceptance of a boundary for the Los Alamos Hills Area is one that will be presented to the Planning Commission and City Council for their consideration.

While the Draft General Plan 2035 and Draft EIR assume no land use changes for the Los Alamos Hills area, additional development potential (both residential and non-residential) has been included and modeled for traffic, air quality, and noise. The impacts associated with that development potential have been analyzed in the EIR. Future environmental review for the Los Alamos Hills Specific Plan will be able to utilize and tier off the General Plan 2035 EIR.

L5. The future Los Alamos Hills Specific Plan would detail the type of land uses and zoning requested within the area, along with needed infrastructure to support the land uses. The future Los Alamos Hills Specific Plan would be considered for adoption by the Planning Commission and City Council.

L6. The comment does not raise any issue with respect to the contents of the Draft EIR, or any environmental issue regarding the proposed project. However, this comment is acknowledged and will be forwarded to the decision-makers for their consideration. Because the Commentator does not specifically comment on the Draft EIR or raise any other CEQA issue, no further response is necessary.

L7. The comment does not raise any issue with respect to the contents of the Draft EIR, or any environmental issue regarding the proposed project. However, this comment is acknowledged and will be forwarded to the decision-makers for their consideration. Because the Commentator does not specifically comment on the Draft EIR or raise any other CEQA issue, no further response is necessary.

L8. The comment does not raise any issue with respect to the contents of the Draft EIR, or any environmental issue regarding the proposed project. However, this comment is acknowledged and will be forwarded to the decision-makers for their consideration. Because the Commentator does not specifically comment on the Draft EIR or raise any other CEQA issue, no further response is necessary.

L9. As noted in Response L4, the Draft EIR does not include conflicting policies with those in the General Plan 2035. The two policies cited in the comment, LU-1.6 and LU-1.7, set appropriate policy direction for all development in the City, including future development within the Los Alamos Hills area. These two policies do not conflict with the goals and policies established for the Los Alamos Hills area in the General Plan 2035.

CITIZENS FOR QUALITY LIFE IN MURRIETA – CQLM

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March 9, 2011

Mr. Greg Smith, Associate Planner
City of Murrieta 1 Town Square
24601 Jefferson Avenue
Murrieta, California 92562

Dear Mr. Smith,

The Citizens for Quality Life in Murrieta (CQLM) has conducted their initial review of the City of Murrieta Draft General Plan and associated Draft Environmental Impact Report (EIR) and identified the main inconsistencies with the goals of the CQLM. We appreciate the time staff has taken to discuss the Los Alamos Hills area and look forward to finalizing our vision within the General Plan and EIR. In our review, we came across several items of concern to CQLM. The critical areas in which we would like to discuss further with staff are the following: M-1

- The general plan does not identify mixed use analysis (60 % commercial and 40% residential) in the EIR for the transition area East of Warm Springs Creek with the 40% residential in the range of 5 to 10 dwelling units per acre. To be consistent with the General Plan the identified 5-10 dwelling units per acre must be analyzed utilizing a 60% commercial to 40% residential ratio over the land areas we have identified as mixed land use. The proposed General Plan has a mixed land use category for application to this area.-Please utilize the FAR for EIR analysis you have used on other mixed use properties located in the city analyzed in the EIR and use the appropriate residential designation used on analysis of other residential areas with the 5-10 DU per acre range-. This land use and analysis is requested for the preferred land use in the General Plan and EIR. In the alternative, our proposed policies and land uses must be used in the required CEQA EIR Alternatives Analysis. M-2

The density projections in the General Plan for the Los Alamos Hills area are not consistet with projections of the future Los Alamos Hills Specific Plan submitted by CQLM in December, 2010. The General Plan identifies a future projection of 828 dwelling units for the Los Alamos Hills area where 1,200 (see calculation below) dwelling units were discussed with staff. There is no boundary to attach to your dwelling unit calculation Please identify the boundary used in your calculation. We believe staff calculated the density for one of the transition area properties within the Los Alamos Hills at 5 dwelling units per acre. This particular property was discussed with city staff for an anticipated 5 to 10 dwelling units. Please use the base density of 10 dwelling units when calculating the anticipated density so that the EIR accurately addresses the maximum case Los Alamos Hills impacts. We have attached a land use and boundary map (Attachment B) showing the M-3

Page 1

Chairman Max Miller
Co-Chairman Mike O'Donnell
Secretary Gayle Vergara
Recording Treasurer Shawn Horwitz
Reporting Treasurer MaryAnn Shushan Miller
Communication Anne Lindsley
Historian Joyce Dodd

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anticipated densities for each residential property in the Los Alamos Hills Specific Plan for your reference. This was previously submitted by CQLM December 29, 2010.

- (985 acres x 1 du /2.5 acre = 386 du) +
- (90 acres x 1 du/acre = 90 du) +
- (75 acres x 10 du/acre = 750 du)
- 386 du + 90 du + 750 du = 1,226 dwelling units

M-3

Please also use the appropriate FAR for analyzing the future commercial we have identified for our area. The Commercial land use will be needed in the future to insure we have a balance of land uses in our Los Alamos Specific Plan area for appropriate revenue generation fo publicr infrastructure development.

M-4

It is unclear whether a subsequent General Plan Amendment would be required to implement the Los Alamos Hills Specific Plan. Please clarify that a Specific Plan will be initiated without a need for a General Plan Amendment and EIR. This is why it is appropriate for you to analyze our submitted land use plan and goals and policies. Unless the City correctly analyzes these as submitted, a subsequent General Plan amendment and EIR may be required. Please comment on this assumption.

M-5

Page 2

Chairman Max Miller
Co-Chairman Mike O'Donnell
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The Specific Plan boundaries in the General Plan are inconsistent with the boundaries desired by CQLM. The General Plan only states that "the property owners will determine the boundaries of the Specific Plan in the future". The CQLM organization and its predecessor have developed a Specific Plan draft and specific boundaries. Please respect this work carried out over the past ten (10) years that represents our boundaries submitted to you in December 2010 but omitted in the draft GP. We do not need any more future conceptual groups or boundaries. Please use the boundaries we have submitted to the City for the GP analysis. M-5

-

- It was agreed upon with city staff that CQLM may use a "Tiered" approach for the Specific Plan off of the General Plan EIR. If the correct boundaries are not identified in the General Plan, we believe that the EIR will not accurately assess impacts for the Los Alamos Hills area. M-6

- The MSHCP boundaries are substantially different and larger than what was anticipated for future MSHCP conservation in our discussions with staff and Council for the area west of Warm Springs Creek. A portion of property in the transition area anticipated for commercial and residential development is also identified as proposed "Core" areas and linkages for conservation as well as a substantial amount of area within the 1 du/2.5 acre areas. This area is needed for future infrastructure improvement funds which will not be available if this area is placed in open space conservation. Please see Attachment D for your reference. M-7

- The general plan does not identify mixed use analysis in the EIR for the transition area East of Warm Springs Creek in the 5 to 10 dwelling units per acre.. To be consistent with the General Plan the identified 5-10 dwelling units per acre must be analyzed utilizing a 60% commercial to 40% residential ratio over the identified mixed land use area..Utilize the FAR factors and dwelling unit factors you have used on other mixed use properties located in the city in the EIR to be consistent with the rest of the EIR analysis. M-8

- One acre minimum lots as well as 5 to 10 dwelling units per acre areas are not specifically identified in the General Plan. Please include this language, as discussed with city staff, within the General Plan and EIR to accurately assess future growth and anticipated impacts in the EIR and to allow for the Specific Plan to be consistent with the General Plan and EIR.

We have also specifically reviewed all the General Plan goals and policies against those requested and submitted by CQLM in December, 2010 and identified four categories in our review: **consistent, generally consistent and omitted**. Subsequent to the consistency review of the goals and policies, we have identified areas of comment or concern within the individual General Plan Elements and EIR sections as they relate to CQLM. M-9
The attached table (Attachment A) describes each Goal and Policy agreed to with CQLM and what was actually incorporated in the General Plan update.

Chairman Max Miller
Co-Chairman Mike O'Donnell
Secretary Gayle Vergara
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GENERAL PLAN – REVIEW SUMMARY BY ELEMENT

Chapter 1 – Introduction

Los Alamos Hills is not identified as a Specific Plan in this chapter. Please identify the SP area in this chapter.

Chapter 2 – Vision M-10

No comments.

Chapter 3 – Land Use Element (ALSO REFER TO GOALS & POLICY TABLE) M-11

Page 3-17: Los Alamos Hills is called out as a "Focus Area"; however, Exhibit 3-4 *General Plan 2035 Focus Areas* does not include the area as a focus area. Graphic representation is just as important and should be revised to avoid ambiguity in the future. M-12

Page 3-18: Table 3-15 *2035 General Plan Focus Areas* – Los Alamos acreage in the table is shown as "TBD". We believe that we do in fact have the Los Alamos Specific Plan acreage and boundaries and it is demonstrated in Attachment B and C for your reference. M-13

Page 3-20: **Los Alamos Hills Location** language is consistent with the CQLM identified Specific Plan boundaries; however, Exhibit 3-1 *Specific Plan Areas* Los Alamos is identified as a "Future Specific Plan" area and the boundaries are **not** accurate. Please see the attached exhibit (Attachment C) to show CQLM desired boundaries. M-14

Page 3-20: **Los Alamos Hills Background** describes that "future land use transitions east of Warm Springs Creek may be considered". This language is too vague; please revise "may be considered" to "will be considered and is consistent with the Goals of Los Alamos Hills." M-15

Page 3-46: "There is an interest by some of the property owners within the Los Alamos Hills area to develop a Specific Plan that would maintain the rural core of the Los Alamos community west of Warm Springs Creek, while providing certain needed public services." Please modify language to state that "There is an interest by MOST property owners…" and that property owners **will develop and submit** a Specific Plan for City processing that…" M-16

Page 3-46: Accurate language – "The existing open space, future development pattern, and circulation system established for the area is intended to maintain and preserve the majority of area as a picturesque area, whose topography and setting contribute to the rural agricultural enclave. M-17

Page 3-46: "Additional development anticipated under the General Plan 2035 includes an additional 157,453 square feet of commercial uses." This is inconsistent with what is shown on Page 3-50 in Table 3-17 *Focus Area Land Use Projections* where it states **828 residential dwelling units** AND 157,453 square feet of commercial uses. The text and table need to be consistent when describing land use projections. Specifically, the text only states 157,453 square feet of commercial while the table states both the commercial square footage AND residential dwelling units. The Los Alamos Hills Specific Plan draft generated by City staff in 2008, with significant input for local residents and public officials, indicated the commercial portion would be included within the Specific Plan. Inclusion of this area needs to be clearly identified within the General Plan. The commercial square footage is very specific and it appears that M-18

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it may be the commercial piece at the north eastern most portions. Clarification required.
Projected dwelling unit count is inconsistent with what is anticipated for the Los Alamos Hills Specific Plan and what was discussed with Cynthia Kinser in an email dated November 19, 2010. In general, when calculating projections for General Plan purposes, we believe the conservative number should be used (also known as base density in the EIR). For example, the area known as the transition area is within the 5 to 10 du/acre @ 75 acres = 750 units at 10 du/acre as opposed to 5 du/acre = 390. We were also assured by staff and RBF on numerous occasions that the conservative assumption would be the density used to analyze traffic, land use impacts etc. Language on a transition area that includes 5 to 10 dwelling units per acre should be incorporated in the General Plan for Los Alamos Hills. There is no mention of this throughout the General Plan. M-18

Page 3-46: Language needs to be inserted to state that a Specific Plan is required to implement the Los Alamos Hills area and not a General Plan Amendment **and** Specific Plan. M-19

Chapter 4 – Economic Development Element M-20
No comments.

Chapter 5 – Circulation Element M-21
No comments.

Chapter 6 – Infrastructure Element
Exhibit 6-1: Shows Liberty Rd still connecting to Winchester. All exhibits throughout the General Plan should reflect the most current Circulation Map Exhibit 5-10 which eliminates this connection. M-22

Chapter 8 – Conservation Element
The MSHCP boundary in the General Plan on Exhibit 8-3 go beyond what the Regional Conservation Agency (RCA) anticipated for their Conceptual Reserve for conservation in the Los Alamos Hills area and conflicts with the Los Alamos Hills Specific Plan goals. All areas of Los Alamos are anticipated for growth; however several of these growth areas are shown as a Core Area in the MSHCP, including a portion of the transition area as well as a substantial portion of the 1 du/2.5 acre areas. Unless adjusted, this designation may affect future development. This is inaccurate and needs to be modified to only show the areas previously shown by the RCA and include the 40% MSHCP conservation limits for Los Alamos based on our previously submitted boundary. M-23

Chapter 9 – Recreation & Open Space M-24
No comments.

Chapter 10 – Air Quality M-25
No comments.

Chapter 11 – Noise M-26
No comments.

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Chapter 12 – Safety
No comments. M-27

ENVIRONMENTAL IMPACT REPORT – REVIEW SUMMARY BY SECTION

The theme remains consistent with our review of the draft General Plan in that we believe Los Alamos Hills is not adequately represented in some areas. Most importantly, the Los Alamos Hills Specific Plan is supposed to be able to "Tier" off of the General Plan Environmental Impact Report and we believe the city's assumptions for Los Alamos are too vague to do so. It is important that the city use the accurate density in order for the EIR review to be comparable to the Los Alamos Hills Specific Plan. The following is a summary by Section. M-28

Section 5.1 – Land Use

Page 5.1-28: The EIR states that the Master Plan Overlay (MPO) may not be used within the Los Alamos District.

- This may be an issue because it is this overlay that allows for clustering of units to efficiently utilize portions of a site that are best suited for development. This overlay is typically used for land that includes special terrain such as steep hillsides etc. and should not be restricted from the Los Alamos area. M-29

Page 5.1-30: Base Land Use Density is described as follows: The base land use density refers to the maximum number of units per acre permitted under the corresponding zoning district. The base density for the Rural Residential category is 1 unit per acre. The base densities for the Single-Family Residential and Multiple-Family Residential categories are 10 units per acre and 30 units per acre, respectively.

- This concept of base density should be used when making projections. For example, the transition area within the Los Alamos Hills Specific Plan has a range of 5-10 dwelling units per acre. Accordingly, the base density should be the 10 dwelling units per acre. You will remember that in the General Plan, the projected dwelling unit count for Los Alamos Hills was called out as 828 units. This is because the city used the 5 dwelling units per acre on the "transition property" rather than the base density of 10 dwelling units per acre. This needs to be corrected and ensure "Tiering" for the Specific Plan. M-30

Page 5.1-32 & Page 5.1-62: The EIR states that though Los Alamos Hills is a Focus Area within the General Plan, it was not targeted for land use changes. The Los Alamos Hills area is identified as a "policy change" area rather than a "land use change" area. As long as it is clear that the Specific Plan will allow for greater density this would not be an issue; however, both the General Plan and EIR do not discuss increased density for Los Alamos Hills very clearly or analyze the higher density number. M-31

Page 5.1-57: The EIR specifies that Specific Plans are used as implementation tools for the General Plan and establish more specific regulations and policies influencing development. This is the type of comment we were looking for in the General Plan but did not see. We believe this comment verifies that a General Plan Amendment is not required to implement the Specific Plan. It is fundamental that staff clearly identify that a General Plan Amendment is not required to implement the Los Alamos Hills Specific Plan in both the General Plan and EIR. We still; however, need the accurate density represented in the report for EIR analysis purposes. It is not clear that it does at this point. M-32

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Section 5.2 – Population, Employment, and Housing
Page 5.2-7: states that the area to the west of Warm Springs Creek is primarily rural residential but does not speak to the area to the east. Increased density language for the transition area needs to be incorporated and used in EIR analysis. M-33

Section 5.3 – Aesthetics M-34
No comments.
Section 5.4 Traffic and Circulation
The Los Alamos Hills Specific Plan should be able to Tier off of the General Plan Environmental Impact Report. All sections need to assume the highest base density anticipated and as discussed with staff for the Specific Plan. It is clear that because the city assumes no land use change that the city's analysis for the EIR did not include the anticipated density. This needs to be incorporated in the city's analysis. It is not possible to tell from the EIR or technical reports if the higher density has been analyzed. Please provide clarification. M-35

Section 5.5 Air Quality M-36
No comments.
Section 5.6 Green House Gas M-37
No comments.
Section 5.7 – Noise
Page 5.7-44: "Although some growth is anticipated within the Historic Murrieta Specific Plan and Los Alamos Hills Focus Areas, no land use changes are included in proposed General Plan 2035." Does this mean the Los Alamos Hills requires a General Plan amendment to process the Specific Plan? This comment is inconsistent with conversations with staff that indicated the Los Alamos Hills Specific plan can Tier off the General Plan Environmental Impact Report and that the General Plan would allow for and analyze the environmental impacts of the Los Alamos Hills increased development. All sections need to assume the density desired and discussed with staff for the Specific Plan. M-38

Section 5.8 Geology and Seismic M-39
No comments.
Section 5.9 Cultural M-40
No comments.
Section 5.10 Biological M-41

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Page 5.10-7: Conceptual Reserve Design – the transition areas are identified as proposed Core Areas; this was also mentioned in our General Plan comments. Please remove all the properties anticipated for development in the existing partially developed Core area and the transition areas from the conservation plan. The boundaries were expanded beyond what was originally reserved for conservation from the RCA. M-42

Section 5.11 Agricultural
No comments.
Section 5.12 Mineral
No comments.
Section 5.13 Hydrology, Drainage & Water Quality
No comments.
Section 5.14 Hazards and Hazardous Materials
No comments.
Section 5.15 Water Supply
No comments.
Section 5.16 Wastewater
No comments.
Section 5.17 Fire Protection
No comments.
Section 5.18 Police Protection
No comments.
Section 5.19 School Facilities
No comments.
Section 5.20 Parks and Recreational Facilities
No comments.
Section 5.21 Solid Waste
No comments.
Section 5.22 Electricity and Natural Gas
No comments. M-43

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Section 6.0 Alternatives
Minor comment: Page 6-3 there is an incorrect reference regarding the Focus Area Exhibit 3-3 when it should be 3-4. M-44

Also, this section states that Los Alamos Hills is shown on this Focus Area Exhibit; however, it is not mapped on the exhibit. Please revise map to show Los Alamos Hills as a Focus Area. M-45

Section 7.0 Other CEQA Considerations
No comments.
Section 8.0 Effect Found Not to Be Significant
No comments.
Section 9.0 Significant Environmental Effects Which Cannot be Avoided If The Proposed Action is Implemented
No comments.
Section 10.0 References.
No comments. M-46

In summary, we appreciate staff's considerations for the Los Alamos Hills Specific Plan area. We do believe; however, that there are significant issues that still need to be addressed within both the General Plan and Environmental Impact Report. We look forward to resolving these issues with you and your staff. We reserve the right to provide additional comments throughout the General Plan and CEQA process. M-47

Sincerely,
Citizens for Quality Life in Murrieta-CQLM

Max Miller, Chairman

Mike O'Donnell, Co-Chairman

Gayle Vergara, Secretary

MaryAnn Shushan Miller, Rep. Trea.

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CQLM	MURRIETA GENERAL PLAN	NOTES
GOAL 1 – Adoption of Specific Plan.	**Goal LU-19 Preparation of a Specific Plan for the Los Alamos Hills area.**	
Creation and adoption of a Specific Plan for the Los Alamos Hills area will provide clear guidance to decision makers and the community for a) the preservation of the rural core of the area, b) enhancement of infrastructure, natural resources, and public safety for the entire planning area, and c) compatible development of a transitional land use area east of Warm Springs Creek that will buffer the rural residential core on the west from the more intense and non-compatible- uses within the eastern boundaries of the Los Alamos Hills Specific Plan area. Special funding and tax mechanisms such as the use of a Development Agreement with the eastern area individual landowners and developers in these transitional business park, commercial, and residential land use areas can be one financing vehicle to accomplish the objectives of the Los Alamos Hills Infrastructure funding programs for the core area. Other funding mechanisms such as a 1913 Act Assessment District and Community Facility District shall also be studied and investigated. These transitional land areas should not receive final zoning and entitlements until a Los Alamos Hills area wide infrastructure study is prepared and these transitional area property owners and developers agree to formally participate in funding these required infrastructure studies, and subsequently funding a significant portion of the needed infrastructure costs as a tradeoff for the increased property values added by the future increased urban zoning in these transitional residential, commercial, and business park land use areas inside the rural Los Alamos Hills Specific Plan area.	LU-19.1 Bring together the property owners in the Los Alamos Hills area to determine the land area to be included in a future Specific Plan. LU-19.2 Bring together the property owners to develop a consensus-based Specific Plan. LU-19.3 Encourage the Los Alamos Hills community groups, such as the Citizens for Quality of Life in Murrieta (CQLM), and property owners to work together with infrastructure providers and the City to identify infrastructure needs and costs, as well as financing options and timing for roads, road improvements, and water and sewer infrastructure, throughout the future Los Alamos Hills Specific Plan area.	**Generally Consistent** - Not as specific on the language but kept it general to allow for the community to address infrastructure needs and financing. These are shown throughout the General Plan in Land Use, Circulation and Infrastructure Elements and appreciated. LU-19.3 Add the language:" Encourage the Los Alamos Hills community groups, such as the Citizens for Quality Life in Murrieta (CQLM), existing property owners and transitional property owners to work together with the infrastructure providers and the city to complete an area wide infrastructure study to identify infrastructure needs and costs, as well as financing options and timing for roads, road improvements, and water and sewer infrastructure, throughout the future Los Alamos Hills Specific Plan area. Transitional property owners shall not receive final zoning and entitlements until the area wide infrastructure study is complete and formal agreement is reached for subsequent funding of needed infrastructure costs inside the rural Los Alamos Hills Specific Plan area.
Goal 2 Rural Character West of Warm Springs Creek, preserve the historic rural character of the Los Alamos Hills area by maintaining its unique rural style environment with low-density residential development and small rural roads while preserving natural features where possible and practicable.	**Goal LU-20 West of Warm Springs Creek, preserve the historic rural character of the Los Alamos Hills area by maintaining its unique environment rural style with low-density development and small rural roads while preserving natural features.**	**Add the language: "....natural features where possible and practicable."**
Policy 2.01: Maintain the existing 2.5 acre minimum residential parcel size as the principal means of maintaining the desired rural character of the Los Alamos Hills area, west of Warm Springs Creek; (see attached exhibit).	Goal LU-20: West of Warm Springs Creek, preserve the historic rural character of the Los Alamos Hills area by maintaining its unique environment rural style with low-density development and small rural roads while preserving natural features. LU 20.1 Maintain the existing 2.5-acre minimum residential parcel size west of Warm Springs Creek.	**Consistent** - Maintains consistency with CQLM policies.
Policy 2.02: Through adoption of the Specific Plan, establish and enforce supplemental development standards for all new construction to ensure high quality rural development in the	LU-20.2 Establish development standards for all new construction to ensure high quality rural development in the area west of Warm Springs Creek.	I Add the language: " Through adoption of the Los Alamos Hills Specific Plan, establish and enforce development..:.

Specific Plan area, for development west of Warm Springs Creek.		
Policy 2.03: Establish unifying visual elements, such as split rail fencing, mature native trees, and well-spaced homes as a means of distinguishing the Los Alamos Hills community as a rural historic enclave within Murrieta's surrounding increased density development. For higher density residential, business park, and commercial development east of Warm Springs Creek, establish standards that continue and reinforce the visual rural elements of the Los Alamos Hills core areas to the west.	LU-20.3 Establish unifying visual elements, such as split rail fencing, mature native trees, and well-spaced homes, as a means of distinguishing the Los Alamos Hills area as a rural historic enclave within Murrieta for the area west of Warm Springs Road.	**Generally Consistent** but omitted language is an important issue. Gray area omitted from General Plan. Maintains consistency with CQLM policies. However, no reference to higher density or business park areas east of Warm Springs Creek.
Policy 2.04: Existing land uses in the Los Alamos Hills area will be allowed to remain without undue hardship and impact by the new Los Alamos Hills Specific Plan Zoning regulations, including the replacement of or addition to existing manufactured housing with new manufactured housing product.		**Omitted** from General Plan. CQLM concern.
Policy 2.05: Allow the keeping of personal livestock for both commercial and non-commercial purposes pursuant to the standards in the Development Code and as may be modified through the Specific Plan.	LU-20.6 Allow the keeping of personal livestock for both commercial and non-commercial purposes pursuant to the standards in the City's Development Code, and as may be modified through a Specific Plan.	**Consistent** - Language is consistent with CQLM requests.
Policy 2.06: Allow commercial farms, tree crops and other agricultural uses on lots of at least 2.5 acres in size consistent with Los Alamos Hills' long history as an agricultural community.	LU-20.7 Allow commercial farms, tree crops and other agricultural uses on lots of at least 2.5 acres in size consistent with Los Alamos' long history as an agricultural community.	**Consistent** - Language is consistent with CQLM requests.
Policy 2.07: Require the construction of compatible, well designed conventional homes, west of Warm Springs Creek.	LU-20.4 Encourage the construction of homes and accessory structures, west of Warm Springs Creek that is compatible with surrounding residential uses and the rural character of the Los Alamos Hills area.	**Consistent** - Generally the same language.
Policy 2.08: Require the design of homes and accessory structures, in keeping with the rural character of the Los Alamos Hills area.	LU-20.4 Encourage the construction of homes and accessory structures, west of Warm Springs Creek that is compatible with surrounding residential uses and the rural character of the Los Alamos Hills area.	**Consistent** - Modified language but still consistent.
Policy 2.09: Disallow urban features such as small lots, conventional sidewalks, and conventional street lights, west of Warm Springs Creek.	LU-20.9 Discourage features such as small lots, conventional sidewalks, or conventional street lights, west of Warm Springs Creek.	**Consistent** - Language is consistent with CQLM requests.
Policy 2.10: Require the minimal use of outdoor lighting to maintain the nighttime dark sky in this rural Los Alamos Hills area.	LU-20.10 Encourage the minimal use of outdoor lighting to maintain the nighttime dark sky in the rural Los Alamos Hills area.	**Consistent** - Language is consistent with CQLM requests.
Policy 2.11: Develop Specific Plan land use regulations, for the area west of Warm Springs Creek, which allow the grouping of building sites on larger properties that contain steep terrain or other site constraints to achieve development parity or equity with flatter lots in the same area while adhering to a maximum density of one (1) dwelling unit (and secondary structures) per each 2.5 acres of lot area.	LU-20.5 Consider Specific Plan land use regulations for the area west of Warm Springs Creek that allow the grouping of building sites on larger properties with steep terrain or other site constraints, while adhering to a maximum density of one dwelling unit per each 2.5 acres of lot area.	**Generally Consistent** - Gray language omitted. Maintains consistency with CQLM policies.
Policy 2.12: Allow for the placement of non-attached secondary dwelling units and or barn/storage facilities on large lots with terraced and variable terrain. Implement Specific Plan		**Omitted** - Language not found in the General Plan. CQLM concern. Include as a policy. Very important for development parity or equity with flatter lots in the same

conservation agencies. Develop programs and standards that discourage and minimize any additional taking of private land for MSHCP conservation related purposes.		
Policy 4.03: Visual resources within the district, such as rock outcroppings and scenic views of the local hills and valleys, should be conserved to the greatest degree practicable.	LU-22.1 Encourage the preservation of natural and visual resources within Los Alamos Hills, such as rock outcroppings and scenic views of the local hills and valleys, to the greatest degree practicable.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
Policy 4.04: Require that new construction and landscape design be conducted in a manner that uses grading techniques to mimic the natural terrain.	LU-22.2 Encourage new construction and landscape design that utilizes grading techniques to mimic the natural terrain.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
Policy 4.05: The Specific Plan should develop a mechanism so that over time, non-native trees shall be replaced or supplemented with native tree species as a condition of new development or when other opportunities arise.		**Omitted** - Not included in the General Plan is not of concern to CQLM.
Policy 4.06: Require that new development minimizes impacts to existing water courses, mature trees, and natural features as much as possible. In those cases that these areas/features are impacted, the final design should provide adequate mitigation, either on-site or in nearby areas.	LU-22.3 Encourage development that minimizes impacts to existing water courses, mature trees, and natural features as much as possible. In those cases that these areas/features are impacted, the final design should provide adequate mitigation on-site and/or in nearby areas.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
Policy 4.07: Require healthy and structurally sound, existing groves of eucalyptus and other mature non-native trees located west of Warm Springs Creek to be considered a visual asset to the area, and should be conserved and maintained to the maximum degree practicable.	LU-22.4 Encourage healthy and structurally sound, existing groves of eucalyptus and other mature non-native trees located west of Warm Springs Creek to be considered a visual asset to the area, and should be conserved and maintained to the maximum degree practicable.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
Policy 4.08: Require new developments to replace or supplement with native tree species as opportunities arise.	LU-22.5 Encourage new development to replace or supplement with native tree species as opportunities arise.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
Policy 4.09: Require the development of an extensive trail system within the MSHCP and other open space that connects to a trails system within or adjacent to the existing and future street system, including linkage through the transitional density buffer zone residential areas east of Warm Springs Creek to the open space corridor along Adobe Creek.	LU-22.6 Encourage the development of an trail system within the Multiple Species Habitat Conservation Plan (MSHCP) and other open space areas that connects to a trails system within or adjacent to the existing and future street systems, including linkage through areas east of Warm Springs Creek (such as but not limited to a transitional buffer area) to the open space corridor along Adobe Creek. Trails adjacent to streets should allow for multiple users and provide buffers between vehicles and trail users.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
GOAL 5 - Circulation. The Los Alamos Hills community has a variety of street classifications within and abutting its boundary. The City as a whole needs the larger streets such as Clinton Keith and Winchester Roads for general circulation while the Los Alamos Hills community is dependent upon small rural streets for internal and/or community circulation. Further, some of the streets within the Hogback portion of Los Alamos Hills are private dirt roads which the community desires to improve to a		**Omitted – Important Issue** Not included in the General Plan but is of concern to CQLM. Include as GOAL 5, in its entirety. Important for a new rural road standard.

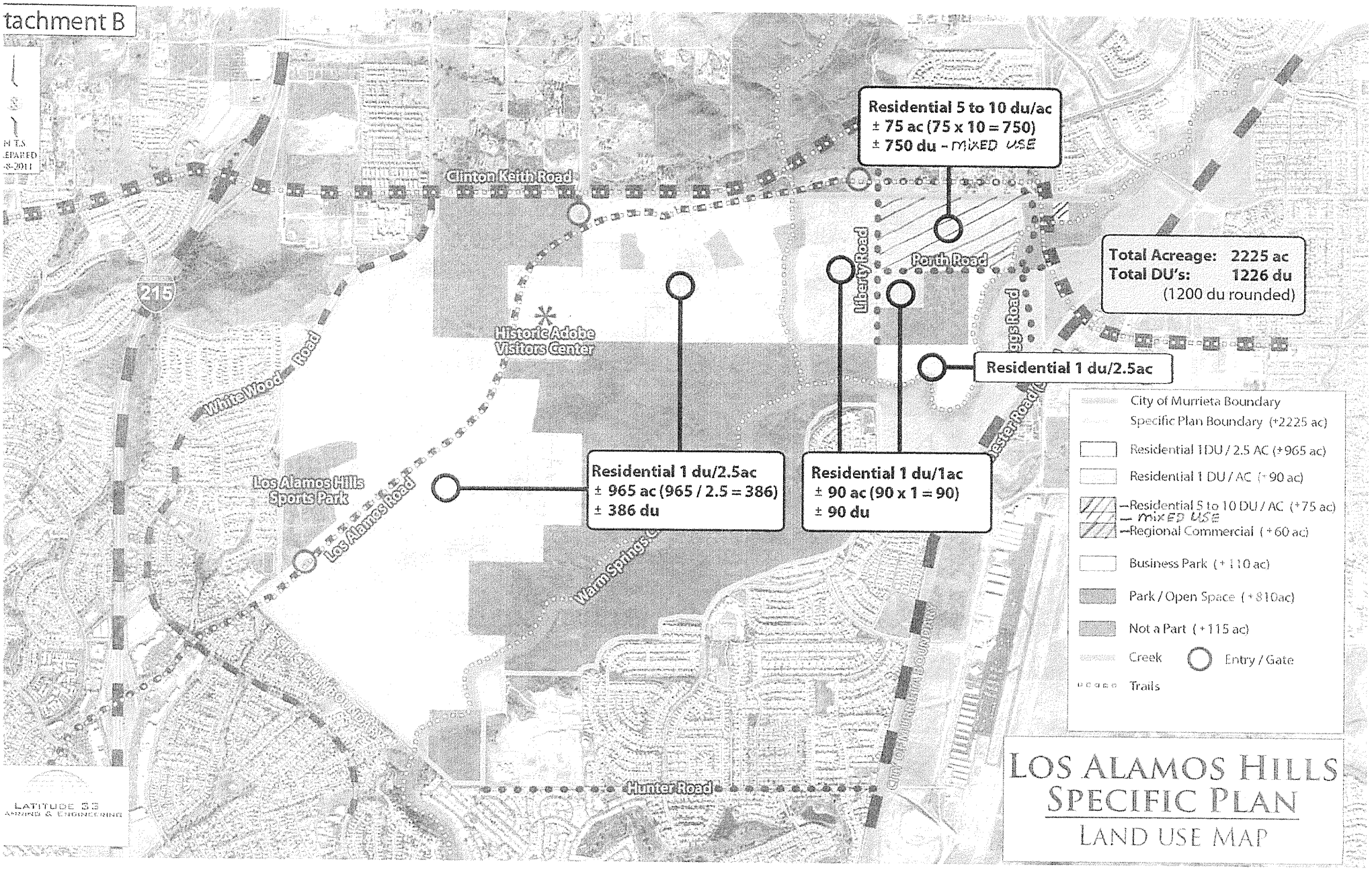
support land uses.		
Policy 3.05: Encourage the City and the Los Alamos Hills community groups such as the Citizens for Quality of Life in Murrieta (CQLM,) and property owners to work together with the City and other Special Districts to develop financing options, and timing schedules for funding roads, road improvements, and water and sewer infrastructure, and maintenance throughout the Specific Plan area.	LU-19.3 Encourage the Los Alamos Hills community groups, such as the Citizens for Quality of Life in Murrieta (CQLM), and property owners to work together with infrastructure providers and the City to identify infrastructure needs and costs, as well as financing options and timing for roads, road improvements, and water and sewer infrastructure, throughout the future Los Alamos Hills Specific Plan area.	**Generally Consistent**
Policy 3.06: Allow for and utilize funding tools available to both the City and landowners/developers including a Community Facilities District (CFD),,1913 Act, Development Agreements, Eastern Municipal Water District standby water fees and reimbursements, and CEQA mitigating fees from adjacent water shed basins. Other projects outside Los Alamos Hills that divert the natural flow of ground water from the Los Alamos Hills areas must help contribute to the overall infrastructure improvements for the Los Alamos Hills core Specific Plan area because of ground water and consequential private well degradation.		**Omitted** – Important issue. No language specific to Los Alamos Hills included in the General Plan but is of concern to CQLM. Include entire policy 3.06 and add the language: " ...private well degradation causing a significant impact."
GOAL 4 – Natural Resources. The Los Alamos Hills area has provided an inordinate amount of MSHCP and other open space compared to the rest of the Murrieta community. The Los Alamos Hills area shall provide no further MSHCP open space recognizing that the City has the authority under the MSHCP to adjust both the amount and location of the MSHCP open space under the terms of the MSHCP utilizing the low end of the MSHCP directed conservation acreage scale or range. The City recognizes that the United States Fish and Wildlife Service MSHCP mapping predicts over 80% of the Los Alamos Hills Specific Plan area will be targeted for permanent open space and this amount is unacceptable to the City. Utilizing the existing 40% open space and focusing on the low end of the MSHCP conservation range, and the future rural development of the Los Alamos area, maintain and preserve the Los Alamos Hills Specific Plan area as a picturesque area whose topography and setting contribute to the sense of being in a rural, agricultural enclave.		**Omitted** - Not included in the General Plan but is of concern to CQLM. Include entire GOAL 4 – Natural Resources, as written.
Policy 4.01: Develop specific City policies that identify the City's authority under the MSHCP to empower the City to adjust the quantity and location of further MSHCP open space within the Los Alamos Hills Specific Plan area without the requirement for Criteria Refinement or Plan Amendments.		**Omitted** – Important issue. CQLM concern Include entire policy 4.01 as written.
Policy 4.02: Develop implementation of programs that allow property owners who utilize City land use regulations to receive fair market compensation value for any private open space that the private land owner wishes to sell to the City or other		**Omitted** – Important issue. CQLM concern. Include entire policy 4.02

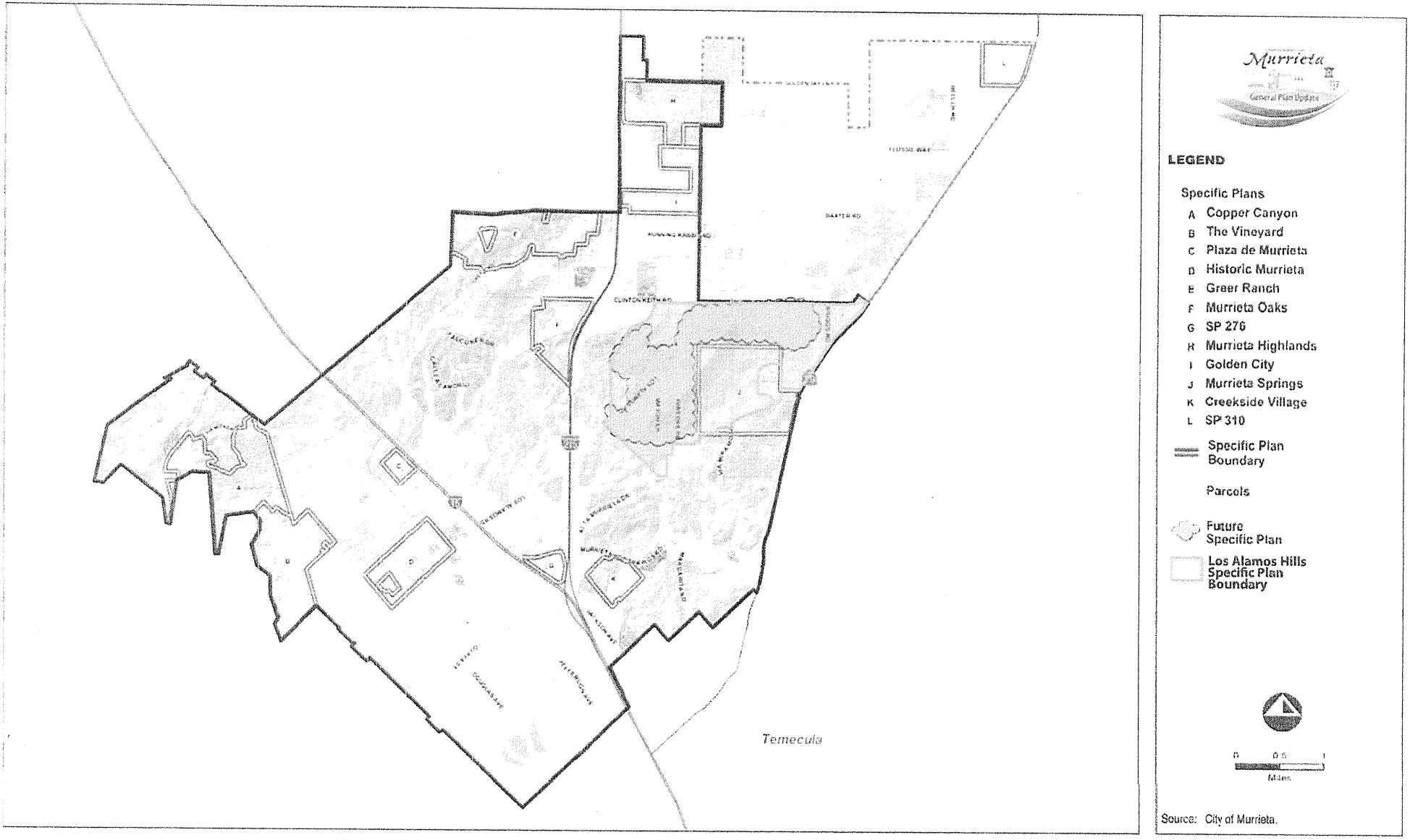
taxable assessed value of private property. Los Alamos Hills Specific Plan area is threatened by encroaching adjacent non compatible land uses and their significant, consequential impacts on water, traffic, sewer, and maintenance, on its west, east, south and northern boundaries. These imposed burdens and impacts on the rural lifestyle and infrastructure financing include relatively sparse density, private, and public rural road deterioration, and threatened private water service, which pose special challenges for fire safety and paramedic safety. The General Plan implementation through the zoning approved Los Alamos Hills Specific Plan should focus on providing for and enhancing the level of service, maintenance, and financing to address local safety issues.	energy. Page 6-9: INF-1.21 Encourage the use of specific plans, development agreements, or mechanisms that specify the nature, timing, cost, and financing mechanisms to be used to fund water, wastewater, and/or storm drainage improvements and services.	Include GOAL 6 – Safety in its entirety with the added language: " ...land uses and their **significant**,..."
Policy 6.01: Design and size the local/community streets to new Los Alamos Hills rural standards to serve the Los Alamos Hills Specific Plan area, ensure all properties have access to the street system, and ensure adequate emergency response times and efficiency.	Page 12-21: Development in the eastern part of the City will create additional demand for a sixth fire station to serve this area, where response times are longer than the target time. Providing fire protection for high-rise office buildings will require investment in new equipment as well as staffing for four-person engine companies. In both cases, new development will need to pay its fair share of the costs associated with fire protection. SAF-1.4 Ensure that public safety infrastructure and staff resources keep pace with new development planned or proposed in Murrieta and the Sphere of Influence. SAF-1.5 Promote coordination among City departments to provide for safety in new development and/or annexation areas. SAF-1.6 Investigate and pursue additional funding mechanisms. SAF-5.4 Ensure that outlying areas in the City can be served by fire communication systems as new development occurs. SAF-9.6 Ensure that new development can be served by police communication systems and provide for the construction of radio towers (repeater sites) in outlying areas.	**Generally Consistent** - Not fully addressed in the General Plan in regards to rural street standards. Emergency response times are generally addressed and not specific to Los Alamos
Policy 6.02: Encourage circulation, road standards, signalization and other traffic calming measures that enhance the safety of the community.	LU-23.2 Explore the use of traffic calming measures, as appropriate.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies. The Policy within the General Plan is general and not specific to Los Alamos Hills.
Policy 6.03: Work with the City and the appropriate Water Districts to see that a public water main and related fire hydrants be installed along Los Alamos Road.		**Omitted** - Not specifically included in the General Plan but is of concern to CQLM.

new rural dedicated street standard.		
Policy 5.01: Acknowledge the need for higher volume/wider City streets, such as Clinton Keith Road and Winchester Road, to serve the needs of the whole City, as well as, the needs of the Los Alamos Hills Specific Plan area.	LU-23.1 Support the development of a circulation plan and road standards for the existing and proposed road system within the Los Alamos Hills area that reflects the land uses and development intensity within a Specific Plan.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
Policy 5.02: Develop signalized intersections at Clinton Keith and Liberty Roads, as part of final engineering for Clinton Keith Road.	Page 5-6: Table 5-1 *Study Intersections* shows Liberty Rd. & Clinton Keith intersection as "Future Signalized".	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
Policy 5.03: Install stop signs and other traffic calming measures along Los Alamos Road, especially at Ruth Ellen Way, Celia Road, east and west Crawford Canyon Rd, Liberty Lane intersections with Los Alamos Road, and others as may be appropriate.	LU-23.2 Explore the use of traffic calming measures, as appropriate.	**Consistent** - Language was modified not consistent with the CQLM Goals and Policies. Include policy 5.03, in its entirety.
Policy 5.04: Require the deletion of the Liberty Road crossing of Warm Springs Creek and Menifee Road between Los Alamos Road and Clinton Keith. As outlined in the Natural Resources Goals, minimize impacts and preserve the natural features in Los Alamos Hills and Warm Springs Creek.	Page 5-11: "Remove connection of Liberty Rd to Winchester Rd."	**Generally Consistent - Though** the deletion is mentioned within the text and shown on Circulation Exhibits; some other exhibits have not made this change (Exhibit 6-1).
Policy 5.05: Provide a Porth Road crossing of Warm Springs Creek, near Winchester Road, that is limited in size such that it accommodates the anticipated traffic.		**Omitted** – Concern. No mention of Porth Road within the Circulation Element. Please clarify.
Policy 5.06: Establish a new rural road standard that allows the community to improve the existing dirt roads, and where appropriate, expand the system to ensure consistency throughout the Hogback portion of the Los Alamos Hills community.	CIR-1.5 Maintain a set of street standards and require that all new road facilities be constructed or upgraded, where feasible, to meet City standards.	**Omitted** - Not included in the General Plan but is of concern to CQLM.CIR- 1.5 is inconsistent with policy 5.06. Los Alamos Hills community requires a NEW RURAL ROAD Standard.
Policy 5.07: Create rural trails both adjacent to existing streets and within the MSHCP open space areas. Trails adjacent to streets will allow for multiple users and provide buffers between vehicles and trail users. Trails in the open space must be designed and constructed to limit impacts to the natural features and vegetation communities.	LU-22.6 Encourage the development of an trail system within the Multiple Species Habitat Conservation Plan (MSHCP) and other open space areas that connects to a trails system within or adjacent to the existing and future street systems, including linkage through areas east of Warm Springs Creek (such as but not limited to a transitional buffer area) to the open space corridor along Adobe Creek. Trails adjacent to streets should allow for multiple users and provide buffers between vehicles and trail users. Page 5-3: Lack of a Connected Bicycle/Trail System. Community members identified the need for a city-wide system of bicycle lanes, as well as recreational trails (including equestrian trails) that connect parks and open space, and key destinations within the City (such as the Historic Downtown), allowing access to amenities without the need to drive. Also see page 5-26 and 27.	**Consistent** - Language was modified but still consistent with the CQLM Goals and Policies.
GOAL 6 - Safety. The Los Alamos Hills Specific Plan area's infrastructure funding base is diminished and threatened by MSHCP restricted entitlement and development by reducing	Page 6-7: GOAL INF-1 New development and redevelopment is coordinated with the provision of adequate infrastructure for water, sewer, storm water, and	**Omitted** – Concern. Not included in the General Plan specific to Los Alamos but is of concern to CQLM.

Housing Element – Affordable Housing Sites # 5 and #6 are referenced as being located in the Los Alamos Hills Specific Plan area.		Eliminate proposed Affordable Housing sites #5 and #6, as such 30-50 DU/AC high density development is completely inconsistent with the current and planned development for the area. Subsequent to the January 2011 Housing Element Workshop. Council Members and City Staff assured CQLM representatives that these high density affordable housing sites had been removed from the Los Alamos Hills Specific Plan Area. Remove the Draft Houising Element referenced in Draft General Plan still shows Sites #5 and #6 in the Los Alamos Hills boundary. Please remove this reference.

tachment B


Residential 5 to 10 du/ac
± 75 ac (75 x 10 = 750)
± 750 du - MIXED USE
Clinton Keith Road
Liberty Road
Porth Road
Total Acreage: 2225 ac
Total DU's: 1226 du
(1200 du rounded)
215
Historic Adobe Visitors Center
Residential 1 du/2.5ac
White Wood Road
Los Alamos Hills Sports Park
Los Alamos Road
Residential 1 du/2.5ac
± 965 ac (965 / 2.5 = 386)
± 386 du
Residential 1 du/1ac
± 90 ac (90 x 1 = 90)
± 90 du
Warm Springs
City of Murrieta Boundary
Hunter Road
City of Murrieta Boundary
City of Murrieta Boundary
Specific Plan Boundary (+2225 ac)
Residential 1DU / 2.5 AC (+965 ac)
Residential 1 DU / AC (+90 ac)
Residential 5 to 10 DU / AC (+75 ac)
— MIXED USE
Regional Commercial (+60 ac)
Business Park (+110 ac)
Park / Open Space (+810ac)
Not a Part (+115 ac)
Creek
Entry / Gate
Trails
LATITUDE 33
PLANNING & ENGINEERING
LOS ALAMOS HILLS
SPECIFIC PLAN
LAND USE MAP

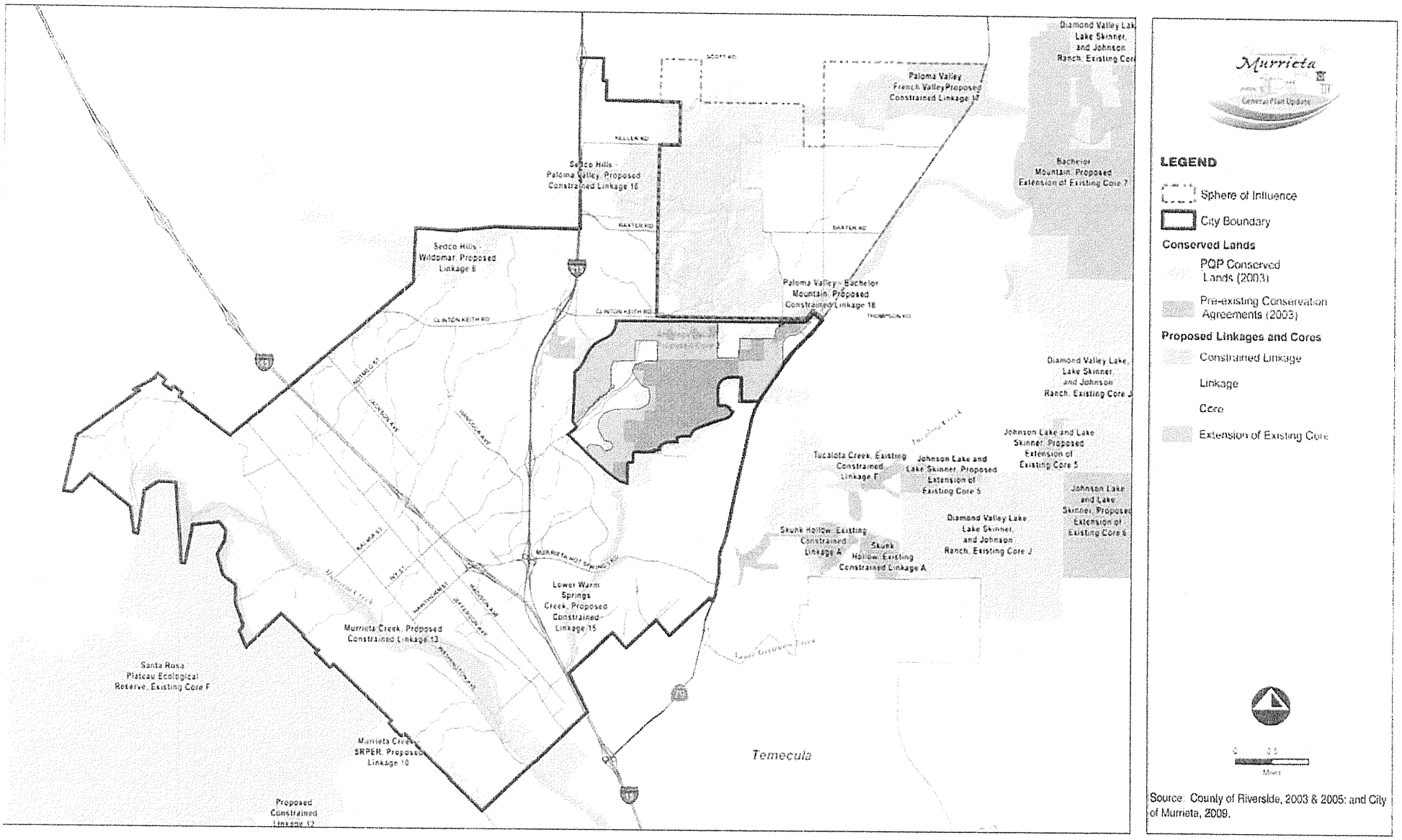


Attachment C

RBF

Specific Plan Areas

Exhibit 3-1



Source: County of Riverside, 2003 & 2005; and City of Murrieta, 2009.

Attachment D

MSHCP Existing and Proposed Conservation Land

Exhibit 8-3

M. RESPONSES TO COMMENTS FROM CITIZENS FOR QUALITY LIFE IN MURRIETA (CQLM), MAX MILLER, CHAIRMAN; MIKE O'DONNELL, CO-CHAIRMAN; GAYLE VERGARA, SECRETARY; MARYANN SHUSHAN MILLER, REPORTING TREASURER; DATED MARCH 9, 2011.

M1. The Commentator is stating that the CQLM has reviewed the Draft General Plan 2035 and Draft Environmental Impact Report (Draft EIR), and that CQLM appreciates City staff's time to meet with CQLM regarding their vision for a Los Alamos Hills Specific Plan.

M2. The General Plan 2035 is supportive of a Specific Plan for the Los Alamos Hills, and has identified the Los Alamos Hills as a focus area for policy change. However, no land use changes are proposed for the Los Alamos Hills area in the General Plan 2035.

The Commentator states a request for different types of land uses, including mixed use (60 percent commercial and 40 percent residential in the area east of Warm Springs Creek). This request is different than what currently exist in the area, and as noted above no land use changes were proposed in the General Plan 2035 for this area. This request is one that will be presented to the Planning Commission and City Council for their consideration.

While the Draft General Plan 2035 and Draft EIR assume no land use changes for the Los Alamos Hills area, additional development potential (both residential and non-residential) has been included and modeled for traffic, air quality, and noise. The impacts associated with that development potential have been analyzed throughout the EIR. Future environmental review for the Los Alamos Hills Specific Plan will be able to utilize and tier off the General Plan 2035 EIR.

Even though no land use changes are shown on the General Plan 2035 Land Use Policy Map (Draft EIR *Exhibit 3-2*), the Draft EIR does include future development potential (both residential and non-residential) for the Los Alamos Hills area. *Table 3-3*, *Focus Area Land Use Projections*, on page 3-28 of the Draft EIR provides land use projections for five focus areas where land use changes are proposed (North Murrieta Business Corridor, Clinton Keith/Mitchell, Golden Triangle North (Central Murrieta), South Murrieta, and Multiple Use 3 [MU-3]) and the two focus areas where policy changes are proposed (Historic Murrieta Specific Plan and Los Alamos Hills). *Table 3-3* identifies additional growth over existing conditions, and as such has projected an additional 828 dwelling units and 157,453 square feet of commercial uses for the Los Alamos Hills area.

The densities analyzed in the Draft EIR are consistent with the densities projections provided by CQLM to the City in October 2010. A different proposed land use plan and densities were provided to the City in December 2010. Modeling and analysis for the Draft EIR had commenced prior to December 2010, thus it was not possible to

incorporate any changes proposed by CQLM at that time. However, it is important to note the December 2010 proposal by CQLM proposed 1,226 dwelling units and no non-residential square footage. These numbers are slightly less than the October 2010 proposal, which will be described below.

Development Potential Analyzed in Draft EIR, and Traffic, Air Quality & Noise Models (Numbers from Draft EIR Table 3-3)			
Existing DU	**Proposed DU (Growth Over Existing)**	**Proposed SF (Growth Over Existing)**	**Total**
463	828	157,453	1,291 DU 157,453 SF

CQLM Development Potential Requested for Specific Plan (October 26, 2010)				
Residential (1 du/2.5 ac)	**Residential (1 du/1 ac)**	**Residential (5-10 du/ac)**	**Non-Residential (Commercial, Business Park)**	**Total**
357	77	797	None identified	1,231 DU 0 SF

The two tables above provide a comparison of the development potential analyzed in the Draft EIR and that proposed by CQLM. The first table shows the development potential analyzed in the Draft EIR. It notes existing development (463 dwelling units), growth over existing conditions (828 dwelling units and 157,453 square feet of non-residential uses), and the buildout total (1,291 dwelling units and 157,453 square feet of non-residential uses).

The second table shows the development requested for the Specific Plan area in October 2010, and only shows ultimate buildout without any recognition of existing uses in the area, residential or non-residential. CQLM proposes a total 1,231 dwelling units and no non-residential square footage.

A comparison of these tables clearly shows that the requested development potential has been accounted for in the Draft EIR, and is actually exceeded by 60 dwelling units and over 150,000 square feet of non-residential uses, than that requested by CQLM. This

development potential has been analyzed in the Draft EIR, including the traffic, air quality, and noise models.

Section 6.0, Alternatives to the Proposed Project, in the Draft EIR outlines the General Plan 2035 process and the determination of alternatives to be analyzed in the Draft EIR. The Draft General Plan 2035 EIR has included a range of reasonable and feasible alternatives to the proposed project (General Plan 2035) that meet the objectives established for the proposed project. Given that the Los Alamos Hills was identified as a focus area for policy change only, different land use scenarios were not developed for this area through the land use alternatives scenario process, and thus none were available for review in the EIR alternatives analysis.

The *California Environmental Quality Act* (*CEQA*) does not require speculative analysis or alternatives. Refer to Response M4.

M3. Refer to Response M2.

M4. The specific processes required for the Los Alamos Hills Specific Plan would be determined at the time an application is filed with the City.

As noted in Response M2, no land use changes were proposed for the Los Alamos Hills area in the General Plan 2035. In addition, no application has been filed with the City for a specific plan. Thus, the Commentator is requesting review of a plan that requires speculation of future impacts, whereas the scope of an EIR is to review impacts of the proposed project and cumulative projects. *Lake County Energy Council v. County of Lake* (1977) 70 Cal.App.3d 851, 854-855 ("[W]here future development is unspecified and uncertain, no purpose can be served by requiring an EIR to engage in sheer speculation as to future environmental consequences.") The proposed project and cumulative projects are defined in Section 3.0 and Section 4.0, respectively of the Draft EIR.

Although comments raised by the Commentator in the comment letter are too speculative for analysis in this Draft EIR, they will be forwarded to the Planning Commission and City Council for their consideration.

M5. With respect to the proposed boundary for the Los Alamos Hills Specific Plan, a formal application has not yet been submitted to the City. Thus, the General Plan 2035 does not include a definitive boundary, but instead identifies the area for a future specific plan, as shown on *Exhibit 3-1*, *Specific Plan Areas*. Only those areas with adopted Specific Plans have been shown on *Exhibit 3-1*. Upon adoption of a Specific Plan for Los Alamos Hills, *Exhibit 3-1* would be updated.

The determination and acceptance of a boundary for the Los Alamos Hills Area is one that will be presented to the Planning Commission and City Council for their consideration.

M6. While the Draft General Plan 2035 and Draft EIR assume no land use changes for the Los Alamos Hills area, additional development potential (both residential and non-residential) has been included and modeled for traffic, air quality, and noise. The impacts associated with that development potential have been analyzed in the Draft EIR. Future environmental review for the Los Alamos Hills Specific Plan will be able to utilize and tier off the General Plan 2035 EIR.

M7. Attachment D references *Exhibit 8-3* from the Conservation Element of the General Plan 2035. *Exhibit 8-3* is from the MSCHP and has not been modified. It is included as a reference map only. With respect to MSHCP boundaries, the City is not proposing any changes.

The remainder of the comment is specific to CQLM's proposed land use changes, which will be forwarded to the Planning Commission and City Council for their consideration.

M8. Refer to Response M2.

M9. CQLM did submit draft goals and policies to City staff for inclusion in the General Plan 2035. However, some of the goals and policies submitted by CQLM have not been included in the General Plan 2035 due to: 1) recommendation of specific land use changes, 2) conflicts with other goals and policies in the General Plan 2035, 3) duplicative goals and policies with ones in the General Plan 2035, or 4) not appropriate to include due to legal implications for the City.

M10. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M11. Refer to Response M9.

M12. *Exhibit 3-4*, *General Plan 2035 Focus Areas*, shows only those identified for land use change. The two focus areas for policy change (Historic Murrieta Specific Plan and Los Alamos Hills) are not show. A footnote will be added to the exhibit in the Final EIR to note as such.

M13. Refer to Response M5. In addition, with no formal application and defined boundaries, it is not possible to determine acreages. Thus, it is appropriate for *Table 3-15* in the Draft EIR to identify the acreage as TBD (To Be Determined).

M14. Refer to Response M5.

M15. The background language on page 3-20 of the General Plan 2035 Land Use Element is correct as written.

M16. The language on page 3-46 of the General Plan 2035 will be modified as follows in the Final General Plan 2035.

> There is an interest by ~~some of the~~ property owners within the Los Alamos Hills area to develop a Specific Plan. The property owners intend to develop and submit a Specific Plan for City processing that would maintain the rural core of the Los Alamos community west of Warm Springs Creek, while providing certain needed local services.

M17. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M18. The text on page 3-46 of the Draft General Plan 2035 will be revised as follows in the Final General Plan 2035:

> Additional development anticipated under the General Plan 2035 includes 828 new residential units and an additional 157,453 square feet of commercial uses.

M19. As noted in Response M4, the specific processes required for the Los Alamos Hills Specific Plan would be determined at the time an application is filed with the City. Thus, it is not appropriate to revise the language as requested by the Commentator.

M20. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M21. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M22. Comment acknowledged. Any necessary modifications to exhibits will be included in the Final General Plan 2035 and Final EIR.

M23. Refer to Response M7.

M24. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M25. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M26. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M27. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M28. Refer to Response M2.

M29. The text on page 5.1-28 of the Draft EIR is citing existing General Plan designations. The General Plan 2035 proposes modifications to the land use designations, which are described in detail on pages 5.1-30 through 5.1-32 of the Draft EIR. The General Plan 2035 does not include the Master Plan Overlay designation.

M30. The base densities cited on page 5.1-30 of the Draft EIR are correct as cited. With respect to densities for the Los Alamos Hills area, no land use changes are proposed in the General Plan 2035. Refer to Response M2, which details the development potential analyzed for the Los Alamos Hills area in the Draft EIR, along with ability for future CEQA documents for the Los Alamos Hills area to tier off the General Plan 2035 EIR.

M31. The General Plan 2035 and Draft EIR clearly state that the Los Alamos Hills area has been identified as a focus area for "policy change" (no land use changes); however, additional development potential has been identified for this focus area. Response M2 identifies the development potential analyzed in the Draft EIR, and modeled for traffic, air quality, and noise. The development potential in the Draft EIR is higher than that proposed by CQLM in October 2010.

M32. Refer to Response M4.

M33. The text on page 5.2-7 of the Draft EIR provides a general characterization of existing land uses. Given that the text is referring only to existing land uses, and that the General Plan 2035 does not propose any land use changes for the Los Alamos Hills area (policy changes only), it is not necessary to modify the text on page 5.2-7 of the Draft EIR.

M34. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M35. The Commentator is incorrect that the Draft EIR did not include development potential for the Los Alamos Hills area. Refer to Response M2.

M36. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M37. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M38. Refer to Responses M2 and M4.

M39. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M40. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M41. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M42. Refer to Response M7.

M43. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M44. *Exhibit 3-3*, *General Plan 2035 Focus Areas*, is the correct exhibit reference on page 6-3. No modification is necessary.

M45. Refer to Response M12.

M46. The comment does not raise any issue with respect to the contents of the Draft General Plan 2035, Draft EIR, or any environmental issue regarding the proposed project. No further response is necessary.

M47. Refer to Responses M1 through M46.

COMMENT LETTER N

Citizens for Quality Life in Murrieta-CQLM

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Greg Smith Associate Planner
City Council
Planning Commission
City of Murrieta 1 Town Square
24601 Jefferson Avenue
Murrieta, California 92562

CITY OF MURRIETA
MAR 15 2011
RECEIVED
PLANNING DEPT.

March 15, 2011

During this public comment period and the legally required response to comments for the Murrieta General Plan 2035 and EIR documents there are several items of concern which must be analyzed. We request that these items be thoroughly addressed and not just dismissed. CEQA requires a thorough evaluation of responsible public comments. Failure to respond in a thorough and professional manner may leave the City subject to further review by the courts. N-1

The City is proposing adoption in the General Plan new Goals and Policies for the Western Riverside Multi-species Habitat Conservation Plan (MSHCP). With the adoption of the MSHCP and the City responsibly adding implementation Goals in its General Plan 2035, the city is putting Murrieta citizens' taxpayer dollars at risk if these Goals and Policies are not crafted to benefit the taxpayer land owners as opposed to the government interests. We hope the Council will bring forth Goals for the MSHCP that are better than those currently published. N-2

1) the current MSHCP needs careful General Plan Goal setting by the City of Murrieta as a Permitee in order to not cause serious constitutional infractions to Murrieta landowners, including violations of:
   a) The Fifth Amendment
   b) Equal protection
   c) Substantive due process and
   d) Procedural due process (including the Brown Act violations)

N-3

"Federal and State environmental laws generally prohibit the "taking" of any species listed as threatened or endangered. As a result, property which contains any listed species is usually undevelopable. N-4

The County imposed MSHCP effectively divided property owners in Murrieta and its Sphere of Influence into two categories: the winners who will be allowed to realize the economic potential of their land by developing it, on the one hand and at least 150,000 acres of losers, on the other hand, whose investments in their now undevelopable properties are lost. N-5

The MSHCP was adopted on June 17, 2003 pursuant to Resolution NO. 2003-299. It focuses on the conservation of 146 species (including many neither threatened nor endangered) and their associated N-6

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habitats in western Riverside County. It purports to constitute both a Habitat Conservation Plan (HCP) and Natural Community Conservation Plan (NCCP). N-6

The distinctions in the MSHCP between land purportedly suitable for development and land needed for conservation are not based, in many cases, on any valid scientific methodology or criteria. This has been shown time and again in various studies throughout the County. The distinctions of land preservation for biology purposes are oftentimes arbitrary and made for political – not environmental – reasons. In short the science is bad, and so too are policy makers that follow poor science. N-7

When the city adopted this MSHCP, without proper General Plan Goals and Policies restricting the use of the MSHCP, they have improperly ceded control of their non-delegable duties to regulate land development within their jurisdiction to the County of Riverside through the RCA. The City has given the "County government" through the RCA the authority over City development that would have no impact on any threatened or endangered species and thus is beyond intent of the MSHCP to be based on qualified science. For the City to continue to exercise this County MSHCP power unchecked with City home rule realities violates the many Constitutional provisions the Council has sworn to uphold and the sworn allegiance to the Council to the electorate in Murrieta.

The MSHCP was to be voluntary, incentive-based, non-regulatory and ultimately compensatory to landowners, using biologically based criteria, offering regulatory streamlining and full financial reimbursement to the landowner without coercion by government. The MSHCP, in fact, has become involuntary, regulatory, using geographically based criteria, and imposed a complicated regulatory process for development approvals overseen by a massive new Regional Conservation Authority with overlapping authority over local jurisdictions. The City can counter this process legally with responsible new Goals and Policies administered at the local level. N-8

The City administration of the MSHCP under RCA guidance has already gotten the Council into serious legal trouble when proper and responsible Goals and Policies would have deterred litigation.

Among some of the shortcomings of the County MSHCP, it does not provide substantial biological evidence to support the putative corridors alleged to be in areas such as Los Alamos Hills and other areas noted in the MSHCP located in Murrieta because it fails to:

1) Describe and evaluate the properties affected. The MSHCP never identifies the precise boundaries of the project area, or the sub-areas within the project area.
2) Use up-to-date and current information. The Environmental Management Study Habitat Conservation Plan is based on outdated and inaccurate scientific data, the RCA must update this not the landowner;
3) The MSHCP creates an onerous bureaucracy that makes the entitlement process more complex and lengthy and currently misunderstood and misapplied by City staff;
4) Includes an inadequate analysis of all economic impacts on future revenues based on the taking of valuable land off the governmental tax rolls;

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5) Adequately addresses and evaluates growth-inducing impacts of the MSHCP on areas outside the scope of the plan.

The MSHCP requires a lengthy review process through the HANS. Often times the way the City staff administers or mismanages the MSHCP, causing perhaps hundreds of thousands of misused dollars;(i.e. requiring CEQA studies for the Habitat Assessment and Negotiation Strategy (HANS) and new biology when none are required), the mandatory processes established in the Habitat Plan will exceed the deadlines set by the Subdivision Map Act, and Murrieta will be forced to circumvent the law in order to avoid triggering the mandatory processing deadlines of the Map Act. N-8

The Board of Supervisors approval of the MSHCP was arbitrary, capricious, entirely lacking in evidentiary support, and failed to conform to the procedures required by law, or otherwise constitutes a prejudicial abuse of their discretion and jurisdiction. Many large property owners were allowed out of the MSHCP because their lawsuits against the County would have doomed the MSHCP process. The County of Riverside threat to withhold Measure A funds from the City unless the city agreed to the MSHCP plan is beyond its authority and used bully tactics the Council should have stood up to. Now is the time for the Council to act and establish new policy to control the MSHCP.

These past Council shortcomings must not be duplicated in the City Draft General Plan document. N-9

In addition to the MSHCP shortcomings noted, above , there is another significant related impact and concern which should be analyzed in the General Plan EIR. The main criterion in CEQA is for public agencies to protect the environment and provide notice and information on negative impacts on the environment, built and un-built. The Murrieta 2035 EIR conspicuously neglects to analyze the future positive impact by the adoption of the General Plan Goals and Policies for the Los Alamos Hills Specific Plan submitted by CQLM. The Los Alamos Hills Specific Plan includes policies addressing infrastructure improvements. The infrastructure (water and roads) should provide a significant positive impact in the "keyhole" areas whose wells are being currently compromised by new development and the lack of sub regional water plans. These "keyhole" areas are not currently supported by any of the water districts and are nestled in the middle of high density residential areas surrounding their boundary. These positive impacts should be analyzed along with the negative impacts of sub regional agency water neglect. The city has not properly addressed all of the above concerns as its fiduciary responsibility to its citizens. N-10

Please respond to all of these concerns.

Establish City Goals and Policies in the Murrieta General Plan 2035 addressing the city's moral and legal obligation to protect Murrieta citizens.

Max Miller, Chairman

Mike O'Donnell, Co-chairman

Miller- Chairman
Mike O'Donnell- Co-Chairman
Gayle Vergara- Secretary

Shawn Horwitz- Recording Treasurer
MaryAnn Shushan Miller- Reporting Treasurer

N. RESPONSES TO COMMENTS FROM CITIZENS FOR QUALITY LIFE IN MURRIETA (CQLM), MAX MILLER, CHAIRMAN; MIKE O'DONNELL, CO-CHAIRMAN; GAYLE VERGARA, SECRETARY; SHAWN HORWITZ, RECORDING TREASURER; MARYANN SHUSHAN MILLER, REPORTING TREASURER; DATED MARCH 15, 2011.

N1. The City of Murrieta is fully complying with the requirements of the *California Environmental Quality Act* (*CEQA*), and will be preparing written responses to environmental comments provided to the City during the 45-day public review period. In compliance with *CEQA*, all public agencies will be provided written responses to their comments 10-days prior to certification of the Final EIR.

N2. The General Plan 2035 includes goals and policies to ensure that the City remains compliant with the Western Riverside Multi-Species Habitat Conservation Plan (MSHCP) and the Implementing Agreement. The General Plan 2035 does not propose any changes to how the MSHCP is implemented in the City.

N3. This comment will be forwarded to the Planning Commission and City Council for their consideration. The comment does not raise any issue with respect to the contents of the Draft EIR, or any environmental issue regarding the proposed project. Because the Commentator does not specifically comment on the Draft EIR or raise any other CEQA issue, no further response is necessary.

N4. The Commentators are offering personal opinion regarding the prohibition of threatened or endangered species "taking" on private property making the property undevelopable.

N5. The Commentators are offering personal opinion regarding the Western Riverside Multi-Species Habitat Conservation Plan (MSHCP) and its potential economic impacts on property owners.

N6. The comment identifies the MSHCP adoption date (and resolution number), and that it is intended to serve as both a Habitat Conservation Plan and Natural Community Conservation Plan.

N7. The Commentators are offering personal opinion that bad science was used to prepare the MHSCP.

N8. This comment will be forwarded to the Planning Commission and City Council for their consideration. The comment does not raise any issue with respect to the contents of the Draft EIR, or any environmental issue regarding the proposed project. Because the Commentator does not specifically comment on the Draft EIR or raise any other CEQA issue, no further response is necessary.

N9. This comment will be forwarded to the Planning Commission and City Council for their consideration. The comment does not raise any issue with respect to the contents of the Draft EIR, or any environmental issue regarding the proposed project. Because the Commentator does not specifically comment on the Draft EIR or raise any other CEQA issue, no further response is necessary.

N10. The objectives of *CEQA* are:

- To disclose to decision-makers and the public the significant environmental effects of proposed activities
- To identify ways to avoid or reduce environmental damage
- To prevent environmental damage by requiring implementation of feasible mitigation measures or alternatives
- To disclose to the public reasons for agency approval of projects with significant environmental effects
- To foster interagency coordination in the review of projects
- To enhance public participation in the planning process

The Draft EIR meets the objectives set forth in *CEQA*, and discloses potential impacts associated with the proposed project (General Plan 2035).

The General Plan 2035 is supportive of a Specific Plan for the Los Alamos Hills, and has identified the Los Alamos Hills as a focus area for policy change. However, no land use changes are proposed for the Los Alamos Hills area in the General Plan 2035.

Even though no land use changes are shown on the General Plan 2035 Land Use Policy Map (Draft EIR *Exhibit 3-2*), the Draft EIR does include future development potential (both residential and non-residential) for the Los Alamos Hills area. *Table 3-3*, *Focus Area Land Use Projections*, on page 3-28 of the Draft EIR provides land use projections for five focus areas where land use changes are proposed (North Murrieta Business Corridor, Clinton Keith/Mitchell, Golden Triangle North (Central Murrieta), South Murrieta, and Multiple Use 3 [MU-3]) and the two focus areas where policy changes are proposed (Historic Murrieta Specific Plan and Los Alamos Hills). *Table 3-3* identifies additional growth over existing conditions, and as such has projected an additional 828 dwelling units and 157,453 square feet of commercial uses for the Los Alamos Hills area.

EIRs are to document both negative and positive impacts associated with proposed projects. Given that no application has been filed with the City and no Specific Plan has been completed for the Los Alamos Hills area, there is no land use plan and no infrastructure plan developed at this time to use in the Draft EIR. The Draft EIR has provided environmental analysis based upon the available information at the time the document was prepared. The Draft EIR is not required to conduct speculative environmental analysis for unknown land uses or infrastructure.

While the Draft General Plan 2035 and Draft EIR assume no land use changes for the Los Alamos Hills area, additional development potential (both residential and non-residential) has been included and modeled for traffic, air quality, and noise. The impacts associated with that development potential have been analyzed throughout the EIR, and have disclosed impacts related to the Los Alamos Hills as applicable. Future environmental review for the Los Alamos Hills Specific Plan will be able to utilize and tier off the General Plan 2035 EIR.

COMMENT LETTER O

Citizens for Quality Life in Murrieta

35510 Los Alamos Rd. Murrieta, CA 92563
(951) 505-7428 www.CQLM.net

March 23, 2011

CITY OF MURRIETA
MAR 23 2011
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PLANNING DEPT

City of Murrieta
Greg Smith
1 Town Square
24601 Jefferson Ave.
Murrieta, CA 92562

Mr. Smith:

The Citizens for Quality Life in Murrieta are formerly requesting that the draft EIR include a study of the benefit to the City of Murrieta, the proposed Los Alamos Hills Community infrastructure will add. The Alamos Hills Specific Plan area intends to fund, by use of a funding mechanism, the needed infrastructure improvements for safety, health and aesthetics. O-1

In order for this study to be accurate, the boundaries must be mapped and included in the General Plan. The total number of present and future parcels and commercial/business park use, 1 DU per 2 ½ acre parcels including the transition area of mixed use for higher density, 1DU to the acre and 10 DU to the acre must be calculated. The Los Alamos Hills Historic Boundary includes the conservation area of the Murrieta Springs SP on the south and the commercial/ business park area fronting on Winchester Rd on the East. The staff should recommend to the council, that these boundaries be adopted. O-2

Once these boundaries have been mapped and included in the General Plan Draft, a computation can be made of the future density and the pro-rata shared cost for the infrastructure improvements. O-3

The estimated Cost analysis must be prepared, using an approved rural road standard, and cost data for all other infrastructure needs i.e. water and wastewater; electricity, Gas, Cable TV & High-Speed Data, storm drainage and solid waste. Also, included should be all funding mechanisms available for the infrastructure improvements. This cost study should be available for use in the Los Alamos Hills Specific Plan Document when it is completed and required in the EIR document .

These significant owner paid improvements resulting in property tax revenue and aesthetic value for these improvements and assets ,will add value to the City of Murrieta and should be analyzed. The City revenue created by these significant assets should not be lost by more MSHCP conservation from the Los Alamos Hills Specific Plan area. This analysis should be in the EIR prior to the GP adoption. O-4

Max

Cc: City Council, Planning Commissioners, and City Staff

Max Miller- Chairman
Mike O'Donnell- Co-Chairman
Gayle Vergara- Secretary.
Shawn Horwitz- Recording Treasurer
MaryAnn Miller- Reporting Treasurer

O. RESPONSES TO COMMENTS FROM CITIZENS FOR QUALITY LIFE IN MURRIETA (CQLM), MAX MILLER, CHAIRMAN; MIKE O'DONNELL, CO-CHAIRMAN; GAYLE VERGARA, SECRETARY; SHAWN HORWITZ, RECORDING TREASURER; MARYANN SHUSHAN MILLER, REPORTING TREASURER; DATED MARCH 23, 2011.

O1. Environmental Impact Reports (EIRs) are to document both negative and positive environmental effects associated with proposed projects. Given that no application has been filed with the City and no Specific Plan has been completed for the Los Alamos Hills area, there is no land use plan and no infrastructure plan developed at this time to use in the Draft EIR. The Draft EIR has provided environmental analysis based upon the available information at the time the document was prepared. The Draft EIR is not required to conduct speculative environmental analysis for unknown land uses or infrastructure, as stipulated in *CEQA Guidelines* Section 15145.

While the Draft General Plan 2035 and Draft EIR assume no land use changes for the Los Alamos Hills area, additional development potential (both residential and non-residential) has been included and modeled for traffic, air quality, and noise. The impacts associated with that development potential have been analyzed throughout the EIR, and have disclosed impacts related to the Los Alamos Hills as applicable. Future environmental review for the Los Alamos Hills Specific Plan will be able to utilize and tier off the General Plan 2035 EIR.

O2. As noted in Response O1, the General Plan 2035 does not propose land use changes for the Los Alamos Hills area. The Draft EIR has accurately analyzed impacts for the Los Alamos Hills area based upon the policy changes proposed in the General Plan 2035 and the assumptions for future development potential within the Los Alamos Hills area as described in Section 3.0, Project Description, of the Draft EIR.

With respect to the proposed boundary for the Los Alamos Hills Specific Plan, a formal application has not yet been submitted to the City. Thus, the General Plan 2035 does not include a definitive boundary, but instead identifies the area for a future specific plan, as shown on *Exhibit 3-1*, *Specific Plan Areas*. Only those areas with adopted Specific Plans have been shown on *Exhibit 3-1*. Upon adoption of a Specific Plan for Los Alamos Hills, *Exhibit 3-1* would be updated.

The acceptance of a boundary for the Los Alamos Hills Area is one that will be presented to the Planning Commission and City Council for their consideration.

O3. Refer to Responses O1 and O2. It is too speculative at this time to determine the infrastructure improvement costs within the future Los Alamos Hills Specific Plan area given that no land use changes are proposed within the General Plan 2035. In addition, it

is the City's policy that development pays its fair share of infrastructure costs. Those costs will be determined at the time the Specific Plan is prepared.

O4. *CEQA Guidelines* Section 15358(b) requires that effects analyzed in CEQA documents must be related to a physical change in the environment. Economic effects are not considered environmental effects under *CEQA*. The Commentator has requested a cost analysis be prepared for future infrastructure needs associated with a future Specific Plan for the Los Alamos Hills area. The type of analysis requested by the Commentator is not required for CEQA documents. In addition, as noted in Response O3, the infrastructure costs will be determined at the time the Specific Plan is prepared.

COMMENT LETTER P

City of Murrieta, California
City Council
Planning Commission
City Manager and Staff
1 Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

Good Evening,

I am Michael O'Donnell, a citizen of Murrieta and Co-Chairman of the Citizens for Quality Life in Murrieta. Two weeks ago, Larry Markham spoke to this Commission with regards to the "Regency" development not wishing to be a part of the Los Alamos Hills Specific Plan. I spoke to Larry after the meeting. He explained that the developers do not want to go through any more changes to their approved project, especially its design, and he thought the Specific Plan may cause this to happen. Once I ensured him that inclusion of their project in the boundary of the LAHSP would not require any changes to their project, he said they would support being part of the Los Alamos Hills Specific Plan. P-1

During the General Plan update, I have heard on many occasions from city staff in public meetings that the General Plan project is "on time." I have heard this so often that it makes it seem as if their primary focus and goal for this project is to be "on time." Instead, their focus must be to do the job right the first time so that we don't have to go back and correct mistakes later that could have been solved now. To do not slow down and do it right the first time, would be a terrible waste of resources, resources we simply do not have to waste. It is amazing how after all the time, effort and money that has been put into the Specific Plan by staff, citizens and council, the Los Alamos Hills area is still referred to as a "FOCUS" area in the General Plan. This must be corrected and the Specific Plan must be completed NOW, before its adoption by Council. P-2

Sincerely,

Michael O'Donnell – CQLM Co-Chairman
36560 Los Alamos Road
Murrieta, CA 92563

P. RESPONSES TO COMMENTS FROM MICHAEL O'DONNELL, CQLM CO-CHAIRMAN, LETTER PRESENTED TO PLANNING COMMISSION ON MARCH 23, 2011.

P1. The Commentator offers a statement regarding a conversation with Larry Markham regarding the Regency development project and potential inclusion in the future Los Alamos Hills Specific Plan area. This comment is acknowledged and will be provided to the Planning Commission and City Council for their consideration.

P2. The Commentator has stated that the Los Alamos Hills Specific Plan "must be completed NOW" before the General Plan 2035 is adopted by the City Council. No application has been filed with the City and no Specific Plan has been completed for the Los Alamos Hills area. However, the General Plan 2035 is supportive of a Specific Plan for the Los Alamos Hills, and has identified the Los Alamos Hills as a focus area for policy change (no land use changes), and includes five goals (Land Use Element Goal LU-19 through LU-23) specific to this area. Goal LU-19 calls for the preparation of a Specific Plan for the Los Alamos Hills area.

City of Murrieta, California
City Council
Planning Commission
City Manager and Staff
1 Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

Good evening. I am a 28 year resident of Los Alamos Hills and a member of Citizens for Quality Life in Murrieta.

For us, this mission didn't begin 18 months ago. I'm sure you're familiar with the axiom "gorilla in the room". Gentlemen, we are the gorilla in the City of Murrieta and we're not going away. Q-1

In the draft General Plan our area is addressed as a **FOCUS AREA**! With no defined boundary. Q-2

Prior to beginning this revision of the General Plan, our group was asked for "goals and policies" for our area. We submitted them with a general understanding that they would be addressed in the General Plan. Our specific goals and policies are not included. Q-3

We need a finalized Specific Plan. Our area is the only area in the City without one. What we're asking for is to have our goals and policies included in the General Plan to provide the framework for our completed Specific Plan. There is a draft Specific Plan that was shelved by City staff. The shelved plan represents hundreds of hours of work from the community participants, giving up their "spare" time, and paid city staff. We are providing community labor, research, and voice to finish this plan. Los Alamos HIlls wants to pay for and provide a valuable asset to the city, INFRASTRUCTURE, for fire safety, and property maintenance. We only need the staff to dig in, and facilitate this effort. We don't want a "handout" but a " hand up ". Q-4

Our area needs a defined boundary, addressing specific goals of zoning, sewer, water, fire safety and the MSHCP. Throughout the entire process we've been stonewalled and misled. We have addressed every excuse such as lack of funding and no staff time by doing as much research and document preparation among members and property owners. I repeat -- LOS ALAMOS HILLS IS A "FOCUS AREA" not a specific area included in the General Plan. Q-5

City staff believes they are at a point of completing this "assigned project"; however, the General Plan and EIR are incomplete documents. Q-6

Finally, we are asking that all areas of the City be specifically included in the draft General Plan and EIR, and for staff to complete it correctly. Q-7

Thank you for your time.

Mary Anne Lindsley
28369 Somerview Drive
Murrieta, CA 92563
951-677-2658
Citizen for Quality Life in Murrieta, Member

Q. RESPONSES TO COMMENTS FROM MARY ANNE LINDSLEY, MEMBER, CITIZENS FOR QUALITY LIFE IN MURRIETA, LETTER PRESENTED TO PLANNING COMMISSION ON MARCH 23, 2011.

Q1. The comment is acknowledged and will be provided to the Planning Commission and City Council for their consideration.

Q2. The General Plan 2035 identifies a total of seven focus areas; five of these areas include proposed land use changes while two areas include policy changes. The five focus areas where land use changes are proposed (North Murrieta Business Corridor, Clinton Keith/Mitchell, Golden Triangle North (Central Murrieta), South Murrieta, and Multiple Use 3 [MU-3]) and the two focus areas where policy changes are proposed (Historic Murrieta Specific Plan and Los Alamos Hills). Only the five focus areas proposed for land use changes have defined boundaries as shown on *Exhibit 3-4*, *General Plan 2035 Focus Areas*, in the General Plan 2035 Land Use Element.

Q3. CQLM did submit draft goals and policies to City staff for inclusion in the General Plan 2035. However, some of the goals and policies submitted by CQLM have not been included in the General Plan 2035 due to: 1) recommendation of specific land use changes, 2) conflicts with other goals and policies in the General Plan 2035, 3) duplicative goals and policies with ones in the General Plan 2035, or 4) not appropriate to include due to legal implications for the City. The remaining goals and policies are reflected in Goals LU-19 through LU-23 and their associated policies in the General Plan 2035 Land Use Element.

Q4. The General Plan 2035 is supportive of a Specific Plan for the Los Alamos Hills, and has identified the Los Alamos Hills as a focus area for policy change (no land use changes), and includes five goals (Land Use Element Goal LU-19 through LU-23) and related policies specific to this area. Goal LU-19 calls for the preparation of a Specific Plan for the Los Alamos Hills area. To date, no application has been filed with the City and no Specific Plan has been completed for the Los Alamos Hills area.

The comments regarding the need for a final Specific Plan and the need for staff to dig in and facilitate this effort are acknowledged and will be provided to the Planning Commission and City Council for their consideration.

Q5. With respect to the proposed boundary for the Los Alamos Hills Specific Plan, a formal application has not yet been submitted to the City. Thus, the General Plan 2035 does not include a definitive boundary, but instead identifies the area for a future specific plan, as shown on *Exhibit 3-1*, *Specific Plan Areas*. Only those areas with adopted Specific Plans have been shown on *Exhibit 3-1*. Upon adoption of a Specific Plan for Los Alamos Hills, *Exhibit 3-1* would be updated.

The acceptance of a boundary for the Los Alamos Hills Area is one that will be presented to the Planning Commission and City Council for their consideration.

Q6. The Commentator offers no specifics as to how the General Plan and EIR documents are incomplete.

Q7. The Commentator's request "that all areas of the City be specifically included in the draft General Plan and EIR" is unclear.

City of Murrieta, California
City Council
Planning Commission
City Manager and Staff
1 Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

March 23, 2011

Dear City of Murrieta Council, Manager, Staff and Commissioners,

Our family moved to the beautiful area of Murrieta in 1989 before the City even incorporated. We were attracted to the beauty of the area, and the "country" feel of the town. In the last 22 years, we have experienced first hand the growth in development and population of our City. Our first daughter has married and moved on, and we still have 3 children at home including a 5 year old. We plan to stay in Murrieta for many years to come. R-1

As the City is preparing the General Plan, we feel the need to share our comments and concerns as we have been here from the start, and have a vested interest in our City. We have been residents of the Los Alamos Hills area since 2006 and our recent focus has been within our own rural enclave. We do feel however, that the concerns we have with the current MSHCP policies, have a far reaching impact for our entire city, not just Los Alamos Hills. The City Staff seems to be pushing through the General Plan, while we believe that the City Council, Commissioners and Staff are still not fully educated regarding the MSHCP issues. R-2

We attended a workshop that was held on January 25, 2011 and listened to Council Members ask specific questions regarding MSHCP and the Los Alamos Hills area. Each of these questions are critical to the future of Los Alamos Hills, and for these questions to NOT be answered before a General Plan is accepted, is a slap in the face to the residents of this area. R-3

Citizens for Quality Life in Murrieta in particular has spear-headed the drive and funding to address the MSHCP issues, and to pick up the pieces of the Specific Plan the City put on the shelf years ago. We ask you now, as the leaders of our beautiful City, to pause long enough to seek the answers to our MSHCP questions, and address these issues accordingly in the General Plan before it is presented as final. R-4

I have attached a list of the questions I recorded from the workshop in January. As it would be fruitless to draft a plan while questions are still unanswered, we ask that City Staff to publicly answer these questions before the General Plan is pushed through. R-5

Sincerely,

Raul Vergara
Gayle Vergara

Raul Vergara
Gayle Vergara - CQLM Secretary
29675 Etienne Circle
Murrieta, CA 92563

January 25, 2011
CQLM notes from MSHCP Workshop with City of Murrieta & RCA
Questions raised from participants and attendees:

Maryann Miller requested 10/30/06 guide be given to CQLM from Mr. Landry of the RCA

Jim Kelley requested feedback on Goals & Policies for LAH submitted by CQLM for General Plan

McAllister @ Mr. Markum - Was life better before or after MSHCP?

McAllister @ Mr. Thomas - How much $$ from Measure A do we stand to lose, if we opt out of MSHCP?

Lane @ Landry - Does RCA have $$ to acquire land?

Lane @ Lanier - How much $$ have LAH residents paid for development fees?

Lane @ Lanier - How much $$ have been spent in LAH for infrastructure?

Lane @ Landry - Can the city opt out? What are the legal ramifications?

Lane @ Landry - If RCA does not have $$ to purchase, how does process work, how long does it take to be final?

Gibbs @ Landry - How long is time period for above question?

Gibbs @ Lanier - How much land is in Los Alamos Hills?

Gibbs @ Lanier - How much land in LAH is MSHCP (RCA) conservation land?

Gibbs @ Lanier - How much <u>more</u> land in LAH is wanted by MSHCP (RCA) for conservation?

Gibbs @ Lanier - How does Winchester 700 figure into this?

Gibbs @ Lanier - Once an offer of $$ is made, how does tax burden work for property owner?

Gibbs @ Lanier - Who pays for biological study of land?

McAllister @ Lanier - How/Why is TUMF funding effected?

McAllister @ Lanier - What is "standard" dedication of land of all projects?

Gibbs - Need to review history from 2003, what did city expect would happen? (Ask Seyarto)

R-5

R. RESPONSES TO COMMENTS RAUL VERGARA AND GAYLE VERGARA, SECRETARY, CQLM, LETTER PRESENTED TO PLANNING COMMISSION ON MARCH 23, 2011.

R1. Comment acknowledged. No further response is necessary.

R2. The General Plan 2035 includes goals and policies to ensure that the City remains compliant with the Western Riverside Multiple Species Habitat Conservation Plan (MSHCP) and the Implementing Agreement. The General Plan 2035 does not propose any changes to how the MSHCP is implemented in the City.

R3. Comment acknowledged. No further response is necessary.

R4. Refer to Response R2.

R5. The Commentator attended a workshop on January 25, 2011 between representatives from CQLM, the City of Murrieta, and the Regional Conservation Authority (RCA), and has provided a summary of notes from that meeting.

The Western Riverside Multiple Species Habitat Conservation Plan (MSCHP) is discussed in both the General Plan 2035 and Draft EIR. The General Plan 2035 Conservation Element includes Goal CSV-8 and Policies CSV-8.1 through CSV-8.6 that address biological resources and the MSHCP. In addition, Draft EIR Section 2.7 incorporates by reference both the Western Riverside Multiple Species Habitat Conservation Plan and the Western Riverside Multiple Species Habitat Conservation Plan Final Environmental Impact Report/Environmental Impact Statement. Draft EIR Section 5.10 provides a summary of the Western Riverside Multiple Species Habitat Conservation Plan, the MSHCP Implementation Structure, and the Property Owner Initiated Habitat Evaluation and Acquisition Negotiation Strategy (HANS), as well as reviews potential impacts to biological resources associated with implementation of the General Plan 2035, as well as the General Plan 2035's consistency with the MSHCP.

COMMENT LETTER S

Citizens for Quality Life in Murrieta

35510 Los Alamos Rd. Murrieta, CA 92563
(951) 505-7428 www.CQLM.net

CITY OF MURRIETA
MAR 24 2011
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March 23, 2011 REVISED 3-24-2011

City of Murrieta
Greg Smith
1 Town Square
24601 Jefferson Ave.
Murrieta, CA 92562

Mr. Smith:

The Citizens for Quality Life in Murrieta are formerly requesting that the draft EIR include an economic and public safety study of the benefit to the City of Murrieta from the proposed Los Alamos Hills Specific Plan (LAHSP) area. The LAHSP plan would implement the funding the needed infrastructure improvements for Public safety and health. S-1

In order for this study to be accurate, the boundaries must be mapped and included in the General Plan. The total number of present and future parcels of commercial/business park use, 1 DU per 2 ½ acre parcels including the transition area of mixed use for higher density, 1 DU to the acre and 10 DU to the acre must be calculated. The Los Alamos Hills Historic Boundary includes the conservation area of the Murrieta Springs SP or Winchester 700 on the south and the commercial/ business park area fronting on Winchester Rd on the East. The staff should recommend to the council, that these boundaries be adopted for revenue enhancement and conservation balance. S-2

1) The EIR should include an economic study of the amount of tax revenue base and revenue lost by the current and future, proposed MSHCP land acquisitions in the Los Alamos Hills Specific Plan Area. The number of parcels lost to development and taxation should be analyzed.

2) The EIR should include a cost analysis of the proposed LAHSP infrastructure to be funded through the LAHSP. This value will accrue to the city.

3) The EIR should include an economic study of the tax revenue generated by the LAHSP at full build out with the proposed infrastructure assurances and conservation having already been met to satisfy the MSHCP in the LAHSP area.

4) The LAHSP costs from low density du demand for public services versus high density du demand for public services and the related tax revenue surplus. S-3

The LAHSP goal for a self-paid infrastructure and satisfied MSHCP requirement will provide assurance and thus stimulus for owners in the LAHSP to improve and develop their properties. The result will be an elegant rural enclave, preserved historical area, and added public safety, a tribute to the city. This one time opportunity is too great to let pass. S-4

Max

Max Miller- Chairman
Mike O'Donnell- Co-Chairman
Gayle Vergara- Secretary.
Shawn Horwitz- Recording Treasurer
MaryAnn Miller- Reporting Treasurer

S. RESPONSES TO COMMENTS FROM CITIZENS FOR QUALITY LIFE IN MURRIETA (CQLM), MAX MILLER, CHAIRMAN; MIKE O'DONNELL, CO-CHAIRMAN; GAYLE VERGARA, SECRETARY; SHAWN HORWITZ, RECORDING TREASURER; MARYANN SHUSHAN MILLER, REPORTING TREASURER; DATED MARCH 23, 2011, REVISED MARCH 23, 2011

S1. Environmental Impact Reports (EIRs) are to document both negative and positive environmental effects associated with proposed projects. Given that no application has been filed with the City and no Specific Plan has been completed for the Los Alamos Hills area, there is no land use plan and no infrastructure plan developed at this time to use in the Draft EIR. The Draft EIR has provided environmental analysis based upon the available information at the time the document was prepared. The Draft EIR is not required to conduct speculative environmental analysis for unknown land uses or infrastructure, as stipulated in *CEQA Guideline*s Section 15145.

While the Draft General Plan 2035 and Draft EIR assume no land use changes for the Los Alamos Hills area, additional development potential (both residential and non-residential) has been included and modeled for traffic, air quality, and noise. The impacts associated with that development potential have been analyzed throughout the EIR, and have disclosed impacts related to the Los Alamos Hills as applicable. Future environmental review for the Los Alamos Hills Specific Plan will be able to utilize and tier off the General Plan 2035 EIR.

S2. As noted in Response S1, the General Plan 2035 does not propose land use changes for the Los Alamos Hills area. The Draft EIR has accurately analyzed impacts for the Los Alamos Hills area based upon the policy changes proposed in the General Plan 2035 and the assumptions for future development potential within the Los Alamos Hills area as described in Section 3.0, Project Description, of the Draft EIR.

With respect to the proposed boundary for the Los Alamos Hills Specific Plan, a formal application has not yet been submitted to the City. Thus, the General Plan 2035 does not include a definitive boundary, but instead identifies the area for a future specific plan, as shown on *Exhibit 3-1*, *Specific Plan Areas*. Only those areas with adopted Specific Plans have been shown on *Exhibit 3-1*. Upon adoption of a Specific Plan for Los Alamos Hills, *Exhibit 3-1* would be updated.

The acceptance of a boundary for the Los Alamos Hills Area is one that will be presented to the Planning Commission and City Council for their consideration.

S3. *CEQA Guidelines* Section 15358(b) requires that effects analyzed in CEQA documents must be related to a physical change in the environment. Economic effects are not considered environmental effects under *CEQA*. The Commentator has requested a cost analysis be prepared for future infrastructure needs associated with a future Specific Plan

for the Los Alamos Hills area. The type of analysis requested by the Commentator is not required for CEQA documents.

Refer to Responses S1 and S2. It is too speculative at this time to determine the infrastructure improvement costs within the future Los Alamos Hills Specific Plan area given that no land use changes are proposed within the General Plan 2035. In addition, it is the City's policy that development pays its fair share of infrastructure costs. Those costs will be determined at the time the Specific Plan is prepared.

S4. These comments are acknowledged and will be provided to the Planning Commission and City Council for their consideration.

12.5 WRITTEN COMMENT LETTERS AND RESPONSES FOR LETTERS RECEIVED AFTER CLOSE OF EIR PUBLIC REVIEW OR AT PUBLIC HEARINGS

Comment Letters

A total of 3 written agency comment letters were received following the close of the EIR public review period or submitted during the Planning Commission Hearings.

T. City of Menifee, letter dated May 9, 2011, received by City via mail dated May 11, 2011 and letter June 8, 2011, received by City via email June 8, 2011.

U. Pechanga Cultural Resources, letter dated June 8, 2011dated, received by City via email June 8, 2011.

CITY OF MENIFEE

Planning Department

Carmen Cave · Community Development Director

Wallace W. Edgerton
Mayor

Fred Twyman
Vice Mayor

John V. Denver
Councilmember

Darcy Kuenzi
Councilmember

Thomas Fuhrman
Councilmember

May 9, 2011

CITY OF MURRIETA
MAY 11 2011
RECEIVED
PLANNING DEPT.

Greg Smith
City of Murrieta
One Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

RE: Meeting Follow Up on Draft Environmental Impact Report for the Murrieta General Plan 2035

Dear Mr. Smith:

City of Murrieta Planning Staff met with City of Menifee Planning Staff on April 21, 2011. At that meeting we discussed the traffic study and impacts at Menifee Road and Scott Road and Antelope Road and Scott Road and there were a couple of outstanding issues on these two items. We are now responding to those outstanding items. T-1

The City of Murrieta had asked the City of Menifee whether or not we would support a dual left turn lane Scott Road (eastbound) to Menifee Road (northbound) as this may help to alleviate some traffic impacts at this intersection. Menifee Engineering staff has reviewed the planned improvements for the intersection of Scott Road and Menifee Road and has concluded that we would support the dual left turn lanes. The City Engineering staff has determined that we may be able to accommodate and should plan for dual left turns at all four legs of the intersection. T-2

The other issue of concern that the City of Menifee had was the exclusion of an analysis of traffic impacts to the intersection of Antelope Road and Scott Road. The City of Menifee's Traffic Engineer reviewed the EIRs prepared for the Loma Linda Hospital project to determine if the analysis in those documents would provide information on the existing levels of service and projected levels of service for the intersection of Antelope Road and Scott Road. The intersection analysis for Antelope Road and Scott Road for Project/Hospital Completion (Year 2013), including existing, project, growth and cumulative projects, indicated that the level of service for this intersection even with improvements would be D for both the a.m. and p.m. peak hours. This is of concern because the traffic analysis did not take into account the "Shops at Scott" (PP22946 – 87,700 sq. ft. commercial shopping center submitted to County of Riverside July 2007) or "The Junction" (PP22279 – 526,000 sq. ft. shopping center submitted to County of Riverside November 2006). With the inclusion of these two projects, the level of service for this intersection may be lower than what is indicated in the hospital traffic study. The City of Menifee T-3

29714 Haun Road
Menifee, CA 92586
Phone 951.672.6777
Fax 951.679.3843
www.cityofmenifee.us

believes the traffic study should be revised to provide an analysis of the intersection of Scott Road and Antelope Road. T-3

Sincerely,

City of Menifee Planning Department

Lisa Gordon, Senior Planner

CITY OF MENIFEE

Planning Department

Carmen Cave · Community Development Director

Wallace W. Edgerton
Mayor

Fred Twyman
Vice Mayor

John V. Denver
Councilmember

Darcy Kuenzi
Councilmember

Thomas Fuhrman
Councilmember

June 8, 2011

Greg Smith
City of Murrieta
One Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

RE: City of Murrieta General Plan Amendment No. 2009-2841 (General Plan 2035) and Final Environmental Impact Report

Dear Mr. Smith:

The City of Menifee Planning and Engineering Departments have reviewed the response to comments prepared in the Final EIR for the Murrieta General Plan and have the following comments on the Murrieta General Plan and FEIR. T-4

The City of Murrieta Planning Staff met with City of Menifee Planning Staff on April 21, 2011. At that meeting we discussed the traffic study and impacts at Menifee Road and Scott Road, and Antelope Road and Scott Road. There were a couple of outstanding issues on these two locations. A letter was sent to City of Murrieta Planning Staff on May 9, 2011 responding to those outstanding items. The City of Menifee also requested a subsequent meeting to discuss the comments in the May 9, 2011 correspondence. While this meeting has not yet occurred, we look forward to your cooperation moving forward. T-5

Issue #1: The City of Murrieta had asked the City of Menifee whether or not we would support a dual left turn lane Scott Road (eastbound) to Menifee Road (northbound) as this may help to alleviate some traffic impacts at this intersection. Menifee Engineering staff has reviewed the planned improvements for the intersection of Scott Road and Menifee Road and has concluded that we would support the dual left turn lanes. The City Engineering staff has determined that we may be able to accommodate and should plan for dual left turns at all four legs of the intersection. The response to comments from the FEIR, Page 12-53, does not reflect our discussion and indicate that the City of Murrieta would be providing the dual left turn lanes which could reduce traffic impacts. T-6

Issue #2: The City of Menifee had expressed concern about the exclusion of an analysis of traffic impacts to the intersection of Antelope Road and Scott Road. The City of Menifee's Traffic Engineer reviewed the EIRs prepared for the Loma Linda Hospital project to determine if the analysis in those documents would provide information on the existing levels of service and projected levels of service for the T-7

29714 Haun Road
Menifee, CA 92586
Phone 951.672.6777
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www.cityofmenifee.us

intersection of Antelope Road and Scott Road. The intersection analysis for Antelope Road and Scott Road for Project/Hospital Completion (Year 2013), which included existing, project, growth and cumulative projects, indicated that the level of service for this intersection, even with improvements, would be D for both the a.m. and p.m. peak hours. This is of concern because the traffic analysis did not take into account the "Shops at Scott" (PP22946 – 87,700 sq. ft. commercial shopping center submitted to County of Riverside July 2007) or "The Junction" (PP22279 – 526,000 sq. ft. shopping center submitted to County of Riverside November 2006). With the inclusion of these two projects, the level of service for this intersection may be lower than what is indicated in the hospital traffic study. The City of Menifee believes the traffic study for the General Plan should be revised to provide an analysis of the intersection of Scott Road and Antelope Road. T-7

The City of Menifee would also like to request that a policy be added to the North Murrieta Business Corridor Focus Area requiring all development projects within the Focus Area prepare a fair share funding analysis for the Scott Road and Interstate 215 Interchange. T-8

Please forward any subsequent environmental documents or public hearing notices regarding the project to my attention at 29714 Haun Road, Menifee CA 92586. I can be contacted at (951) 672-6777 or lgordon@cityofmenifee.us for meeting scheduling or any questions or comments. T-9

Sincerely,

City of Menifee Planning Department

Lisa Gordon, Senior Planner

T. RESPONSES TO COMMENTS FROM LISA GORDON, SENIOR PLANNER, CITY OF MENIFEE, DATED MAY 9, 2011 AND JUNE 8, 2011.

T1. The Commentator notes a meeting between the City of Menifee and the City of Murrieta on April 21, 2011 and that the City of Menifee is following up on items discussed at that meeting.

T2. At the April 21, 2011 meeting, the enhanced lane configuration for the Scott Road/Menifee Road intersection was discussed. The discussion reviewed Exhibit 5-9a (Draft General Plan 2035)/Exhibit 5-4-16a (Draft EIR) and the level of service (LOS) conclusions for the year 2035 shown in the corresponding tables, Table 5-7 (Draft General Plan 2035) and Table 5.4-12 (Draft EIR). The tables indicate that with the enhanced lane configurations that both the AM and PM peak hour level of service is E. The Draft EIR concluded this to be a significant unavoidable impact at this intersection, which the City of Menifee noted they do not favor. The discussion at the meeting was to explore additional improvements to further reduce the impact significance level, including the option of dual left-turn lanes on both the eastbound and westbound intersection approaches (on Scott Road); the Draft General Plan 2035 Circulation Element is proposing a single left-turn lane on the eastbound and westbound approaches. The Commentator notes that Menifee Engineering staff has reviewed and is supportive of this option.

Therefore, Exhibit 5-9a (Draft General Plan 2035) and Exhibit 5-4-16a (Draft EIR) along with the corresponding tables, Table 5-7 (Draft General Plan 2035) and Table 5.4-12 (Draft EIR) will be revised in the Final General Plan 2035 and Final EIR to reflect the option of dual left-turn lanes on the eastbound and westbound approaches to the Scott Road/Menifee Road intersection.

T3. The Commentator is restating a comment made by the City of Menifee in their comment letter dated March 24, 2011 on the Draft EIR that the City of Murrieta should analyze the impacts at the intersection of Scott Road and Antelope Road. Refer to Response H1. As noted in Response H1, this intersection was not one reviewed in the existing General Plan and the City did not elect to add an analysis of the intersection in the Draft General Plan 2035 or Draft EIR for the following reasons: 1) design work had been completed for the Scott Road/I-215 Interchange (approximately April 2010), and 2) environmental review, including a traffic study, was recently completed, thus, it was not necessary to reanalyze those future conditions. However, the future roadway conditions for the Scott Road/I-215 Interchange, including the Scott Road/ Antelope Road intersection were included in the General Plan 2035 Circulation Element model or the Draft EIR. In addition, three of the four corners of the intersection are within the City of Menifee boundaries (northwest, northeast, and southwest corners). The City of Murrieta does not concur with the City of Menifee's suggestion to analyze the Scott Road/Antelope Road intersection for the reasons identified above.

The Commentator goes on to note that the City of Menifee's Traffic Engineer reviewed the EIR prepared for the Loma Linda University Medical Center Murrieta project, specifically focusing on the existing and projected levels of service on the Scott Road/Antelope Road intersection. The Loma Linda University Medical Center Murrieta project has been accounted for in both the existing and 2035 scenarios for the Draft General Plan 2035 Circulation Element and Draft EIR.

It is important to note that the Supplemental EIR for the Loma Linda University Medical Center Murrieta project was certified by the City of Murrieta on September 9, 2008. The Supplemental EIR included four traffic mitigation measures that reduce project- and cumulative-related impacts to a less than significant level. The mitigation measures address on-site, area-wide (including improvements to Scott Road/Antelope Road intersection), safety and operational improvements, and roadway construction impacts.

As noted in Supplemental EIR Appendix 2, Traffic Impact Study page 2-3, the existing AM and PM peak hour traffic volumes for the study area intersections were based upon manual AM and PM peak hour counts compiled in April and August 2006, and January, March, and September 2007. The Scott Road/Antelope Road intersection was a study intersection in the Traffic Impact Study.

The cumulative projects reviewed in the Traffic Impact Study include those identified by Riverside County, the City of Murrieta, and the traffic consultant at the time the study was prepared (existing and cumulative conditions data was collected in 2006 and 2007). The list of cumulative projects is shown on Table 3-4 and illustrated on Exhibit 3-6 in the Traffic Impact Study. Two projects, previously in Riverside County and now in the City of Menifee, Menifee Shopping Center and Commerce Pointe, are accounted for in the study. The existing counts data and cumulative project list data was collected before the City of Menifee became an official City on October 1, 2008. Therefore, the two projects noted in the comment, the Shops at Scott and the Junction at Menifee Valley, had not been identified by Riverside County as cumulative projects at the time that Traffic Impact Study was prepared. It is not necessary to include these two projects in the traffic impact study for the Loma Linda University Medical Center Murrieta project given that the Supplement EIR was certified in September 2008. In addition, the hospital and medical office building have been constructed along with the necessary on-site and off-site improvements required as part of the Supplement EIR mitigation measures or conditions of approval.

As noted in Response H1, the Draft General Plan 2035 Circulation Element and Draft EIR is based upon the RivTAM model update, which was completed in 2008. Data was compiled by Riverside County, and included data collected in mid-2007 for the 2008 base year and projections for the 2035 SED (Socioeconomic Data). The RivTAM model did not include three recent project approvals by the City of Menifee: Commerce Pointe, Menifee Shopping Center, and Junction at Menifee Valley. EIRs were certified for all three projects in December 2008, July 2010, and November 2010, respectively. The

model also did not account for the Shops at Scott project. It is anticipated that the development anticipated for these four projects will be incorporated into the RivTam model when the City of Menifee prepares its first General Plan.

Information regarding the four aforementioned Menifee projects was not provided to the City of Murrieta in the Menifee NOP comment letter or as a follow up to the NOP comment letter to incorporate into the Murrieta General Plan Update traffic model for traffic analysis zones outside the City's corporate boundary and sphere of influence area. If the information was not in the RivTam model or provided by the City of Menifee, the City of Murrieta would not have knowledge of specific development projects outside its corporate boundary to include in a county-wide model.

T4. The Commentator states the City of Menifee reviewed the draft Comments and Responses in the Draft Final EIR on the City's website. The Draft Final EIR was made available for the Murrieta Planning Commission hearing on June 8, 2011. Final Comments and Responses will be mailed out to all commenting agencies prior to certification of the Final EIR by the City Council in compliance with *CEQA* Section 21092.5, including to the City of Menifee.

T5. The Commentator notes a meeting on April 21, 2011 with the City of Murrieta and the City of Menifee and a May 9, 2011 letter from the City of Menifee to the City of Murrieta (refer to Responses T1 through T3). In addition, the Commentator notes that the City of Menifee has requested a subsequent meeting to follow up on some items and to date that meeting has not been scheduled, but the City of Menifee looks forward to working cooperatively with the City of Murrieta. The City of Murrieta concurs with that sentiment, and also looks forward to about working collaboratively with the City of Menifee.

T6. With respect to the improvements proposed at the Scott Road/Menifee Road intersection in the Draft General Plan 2035 and Draft EIR, there is not a specific comment from the City of Menifee in its letter dated March 24, 2011 that warrants a written response. This topic was discussed at the April 21, 2011 meeting with the City of Murrieta and the City of Menifee. As noted previously in Response T2, the Commentator notes that Menifee Engineering staff has reviewed and is supportive of the option for dual left-turn lanes on the eastbound and westbound intersection approaches.

T7. Refer to Responses H1 and T3.

T8. This comment is acknowledged. However, the City of Murrieta will not be adding a policy to the General Plan 2035 Circulation Element regarding fair share funding for the Scott Road/Interchange 215 for all development projects within the North Murrieta Business Corridor Focus Area for the reasons noted below.

As noted in Response H1, Community Facilities District No. 05-8 of the County of Riverside was formed to construct the ultimate improvements to the Scott Road/I-215 Interchange and widen Scott Road from I-215 to SR-79 to 6 lanes. The improvements include a major upgrade to this intersection to expand the bridge crossing, add loops ramps, and size the overcrossing to handle anticipated traffic growth in Menifee and the other areas that use the Scott Road Corridor. The Scott Road/I-215 Interchange Improvement Project falls within the boundaries of the City of Menifee. Riverside County and the City of Menifee are working cooperatively on the environmental and design phases of the project. The City of Murrieta is not part of Community Facilities District No. 05-8.

However, the City of Murrieta is a party to a Memorandum of Understanding (MOU) with the County of Riverside regarding funding the Scott Road/I-215 interchange improvement projects, which was entered into on August 15, 2006 (a copy of the MOU is attached to this response). Item F of the Agreement specifies that the City of Murrieta's total contribution is $505,000, which is the City's full obligation for the project, with the payment requirements stipulated in Items A through C. Item G of the Agreement further specifies that contributions from the City of Murrieta "will not be required for any future ultimate interchange improvements as those improvements will be fully funded by a developer Community Facilities District."

T9. This comment is acknowledged. No further response is necessary.

Contract No. 06-07-005
Riverside Co. Transportation
1893

MEMORANDUM OF UNDERSTANDING BETWEEN THE CITY OF MURRIETA AND THE COUNTY OF RIVERSIDE FUNDING THE SCOTT ROAD/I-215 INTERCHANGE IMPROVEMENT PROJECTS

This MEMORANDUM OF UNDERSTANDING (hereinafter referred to as the "MOU"), is made and entered into this 15th day of August, 2006, by and between the COUNTY OF RIVERSIDE (herein "County") and the CITY OF MURRIETA (herein "City").

RECITALS

1. County intends to construct the Scott Road/I-215 Interchange Improvement Project, (the "Project") installing signals and performing ramp widening as an interim improvement to the future interchange at a total of construction cost of $2,272,680.

2. City has agreed to contribute twenty-five percent (25%) of the funding for that portion of the Project within the corporate boundaries of the City.

3. Of the total construction cost, approximately $250,000 pertains to the signal improvements at Haun and Scott Road, which is within the jurisdiction of the County. The remaining construction cost in which the City will participate is $2,022,680.00.

4. City has collected funds for the interchange improvements from the imposition of development impact fees; although said collections are currently insufficient to completely fund the City's portion.

5. The Parties wish to enter into this Memorandum of Understanding memorializing the City's agreement to participate in the funding of the Project.

AGREEMENT

NOW, THEREFORE, in consideration of the terms, covenants, conditions, and agreements set forth herein below, the County and the City agree as follows:

A. The City agrees to pay to County twenty-five percent (25%) of the funding of the project, excluding design and inspection/contract management costs, in the total amount of $505,000.

B. City agrees to forward to the County $100,000.00 (one hundred thousand dollars) within thirty (30) days of the date of the execution of this Agreement.

OCT 3 2006 3.26

C. County agrees to invoice City and City agrees to pay $50,000.00 (fifty thousand dollars) on a quarter-yearly basis, first payment to be made on October 1, 2006.

D. City will construct the interim intersection improvements of Scott Road and Antelope Road at no cost to the County.

E. City's sole participation in the Project shall be limited to the contribution funds.

F. City's contribution funds in the total amount of $505,000 is the City's full obligation for the project.

G. Contributions from the City will not be required for any future ultimate interchange improvements as those improvements will be fully funded by a developer Community Facilities District.

H. . County is lead agency on the project and shall prepare and obtain all environmental assessments, approvals and permits as required to proceed.

I. It shall be the intention of both the County and the City to complete the above projects as expeditiously as possible.

J. Each party hereto represents and warrants that it has full power to enter into this Agreement, and that the individual executing this Agreement on its behalf is fully empowered to bind it and fully authorized to enter this Agreement.

K. Each party represents and warrants that it is not assigned, encumbered or in any matter transferred all or any portions of the claims, causes or actions or other matters released by it herein.

L. Each party hereto acknowledges and agrees that the warranties and representations made by each party in this paragraph are each and essential a material term of this Agreement, without which the consideration herein would have been given by any of them.

IN WITNESS WHEREOF, the parties have executed and entered into this Agreement as of the date herein above set forth.

COUNTY OF RIVERSIDE

Bob Buster

Chairperson, Riverside County Board of Supervisors
Bob Buster

ATTEST:

Nancy Romero,
Clerk of the Board

Deputy

APPROVED AS TO FORM:

Joe S. Rank, County Counsel

CITY OF MURRIETA

Mayor, City of Murrieta

ATTEST:

City Clerk

City Attorney

FORM APPROVED COUNTY COUNSEL

SEP 2 0 2006

BY

OCT 3 2006 3.26

PECHANGA CULTURAL RESOURCES
Temecula Band of Luiseño Mission Indians

Post Office. Box 2183 • Temecula, CA 92593
Telephone (951) 308-9295 • Fax (951) 506-9491

Chairperson:
Germaine Arenas

Vice Chairperson:
Mary Bear Magee

Committee Members:
Evie Gerber
Darlene Miranda
Bridgett Barcello Maxwell
Aurelia Marruffo
Richard B. Scearce, III

Director:
Gary DuBois

Coordinator:
Paul Macarro

Cultural Analyst:
Anna Hoover

Monitor Supervisor:
Jim McPherson

June 8, 2011

VIA E-Mail and USPS

Mr. Greg Smith
City of Murrieta
Planning Department
1 Town Square, 24601 Jefferson Ave
Murrieta, CA 92562

Re: Pechanga Tribe Comments on the City of Murrieta General Plan Update Environmental Impact Report Mitigation Monitoring and Reporting Program

Dear Mr. Smith:

This comment letter is submitted by the Pechanga Band of Luiseño Indians (hereinafter, "the Tribe"), a federally recognized Indian tribe and sovereign government, regarding the above referenced Project. U-1

Thank you for inviting the Pechanga Tribe to actively consult and participate in the Murrieta General Plan Update. We have previously submitted comments to the City in response to consultation requests and the Draft Environmental Impact Report Notice of Availability (see letters in the Project file dated 12-30-10; 1-20-11; 3-22-11). The Tribe thanks the City for incorporating our requested changes into the EIR. While the Tribe was not sent a formal Response to Comments on the NOA for the DEIR, we have reviewed them online, along with the FEIR and the Tribe has one outstanding concern regarding the Mitigation Monitoring and Reporting Program (MMRP) pertaining to Cultural Resources. U-2

The FIER exhibits two Conditions relating to Cultural – defined as Archaeological, Historical and Paleontological, Resources. The Tribe is concerned that the conditions are not specific enough for each discipline, do not enforce the first goal of CEQA – preservation and protection in place, only address the last portion of the development project, and assume that all resources will be excavated; as such, the Tribe is concerned that this lack of specificity may cause potential conflict and confusion in guidance of future development projects. The Tribe understands that each project that is processed through the Planning Department, or other applicable Department such as Public Works, will be reviewed for CEQA involvement and that each project will receive specific conditions of approval and mitigation measures that pertain solely to that project however, the Tribe believes that the EIR does not provide adequate U-3

guidance for the review of these future projects. To that extent, we request that the following Condition be added and the existing condition be amended as follows (strikeouts are deletions and underlines are additions):

> CR-1: All future development projects shall be required to conduct a cultural resources study (archaeological, historical and/or paleontological) on a project-specific basis as determined by the City reviewer. The studies shall be carried out by Riverside County qualified consultants. Archaeological consultants shall consult with the appropriate Native American Tribe[1] prior to performance of field surveys. If cultural resources are encountered during the survey, the City shall require that the resources are evaluated for their eligibility for listing on the National Register, California Register and any City registers, in consultation with the appropriate Tribe. The qualified specialist, in consultation with the appropriate Tribe (based upon the nature of the find), shall determine whether additional excavations are warranted in which such activities shall be conducted per CEQA Guidelines. Any identified resources shall be avoided if feasible. Ground-disturbing activity in areas that have been determined to be culturally sensitive will be monitored by the appropriate Riverside County qualified specialist and the appropriate professional Native American Tribal representative.
>
> ~~CR-1~~CR-2: In the event that cultural resources (archaeological, historical, paleontological) are unearthed inadvertently during excavation and grading activities of any future development project, the contractor shall cease all earth-disturbing activities within a 100-meter radius of the area of discovery and shall retain ~~a~~ the appropriately qualified specialist, i.e. Riverside County qualified archaeologist, historian, architect, paleontologist, etc as well as the appropriate professional Native American Tribal monitor to evaluate the significance of the finding and appropriate course of action, which shall include preservation in place and avoidance as required by CEQA when feasible. If avoidance is not feasible, ~~S~~salvage operation requirements pursuant to Section 15064.5 of the CEQA Guidelines shall be followed. After the find has been appropriately mitigated, work in the area may resume. U-3
>
> ~~CR-2~~ CR-3: In the event that human remains are unearthed during excavation and grading activities of any future development project, all activity shall cease immediately. Pursuant to State Health and Safety Code Section 7050.5, no further disturbances shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If

[1] *It is anticipated that the Pechanga Tribe will be the "appropriate" Tribe due to their prior and extensive coordination with the City and due to its demonstrated cultural affiliation and prior designation of Most Likely Descendant within the City boundaries.

the remains are determined to be of Native American descent, the coroner shall within 24 hours notify the Native American Heritage Commission (NAHC). The NAHC shall then contact the most likely descendant of the deceased Native American, who shall serve as consultant on how to proceed with the remains. U-3

The Pechanga Tribe looks forward to continuing our pleasant working relationship with the City of Murrieta and to continue in protecting the invaluable Pechanga cultural resources found in the City boundaries. Please contact me at 951-770-8104 once you have had a chance to review these comments so that we might address the issues concerning the mitigation language. Thank you. U-4

Sincerely,

Anna M. Hoover
Cultural Analyst

cc: Pechanga Office of the General Counsel

U. RESPONSES TO COMMENTS FROM ANNA HOOVER, CULTURAL ANALYST, PECHANGA CULTURAL RESOURCES, DATED JUNE 8, 2011.

U1. The Commentator notes that the Pechanga Band of Luiseño Indians (the "Tribe") has submitted a comment letter regarding the proposed General Plan 2035 and Draft EIR as the federally recognized Indian tribe.

U2. The Commentator thanks the City of Murrieta for actively consulting with the Tribe during the Murrieta General Plan Update and EIR process. The Commentator notes that the Tribe has previously submitted three letters during the process and that the City has incorporated the Tribe's comments in the Plan and EIR. The Commentator also states that the Tribe reviewed the Draft Final EIR, which includes the Mitigation Monitoring and Reporting Program and the Comments and Responses, on the City's website prior to the Planning Commission Hearing on June 8, 2011. Included in the Draft Final EIR as the draft response to the Pechanga letter dated March 22, 2011, which was received by the City during the Draft EIR 45-day public review period (Refer to Comment Letter E and Responses). The Commentator indicates the Tribe has a concern regarding the cultural resources mitigation measures cited in the Mitigation Monitoring and Reporting Program (refer to Response U3).

U3. The City acknowledges the Tribe's comment regarding the inclusion of additional guidance in the EIR regarding future review of development projects and cultural resources on the project sites.

The Tribe has recommended a new Mitigation Measure CR-1 and renumbering the existing Mitigation Measures CR-1 and CR-2 to CR-2 and CR-3, respectively. The City acknowledges the spirit and intent expressed by the Tribe in their proposed Mitigation Measure CR-1. Subsequent to receipt of this comment letter, the City of Murrieta met with the Tribe on June 30, 2011. That meeting included a discussion regarding the intent and language for the proposed Mitigation Measure CR-1. Draft language was reviewed and agreed upon by the City and the Tribe, as shown below, and will be included in the Final EIR.

The mitigation measures related to Cultural Resources will be revised as follows in Final EIR Section 1.0, Section 5.9, and Section 11.0.

CR-1	Future development projects shall continue to be evaluated for cultural resources by the City of Murrieta through review by the Eastern Information Center (EIC) and notification of and consultation with the local tribes for new entitlement projects. The projects shall be evaluated for compliance with the California Environmental Quality Act (CEQA) and where feasible, avoidance of cultural resources. If, following review by the EIC and/or tribal consultation, it is determined that there is a

	potential for impacts to cultural resources, further cultural resources analysis by a qualified professional(s), as defined in Mitigation Measure CR-2, may be required by the City.
CR-~~1~~2	In the event that cultural resources (archaeological, historical, paleontological) resources are inadvertently unearthed during excavation and grading activities of any future development project, the contractor shall immediately cease all earth-disturbing activities within a 100-~~meter~~foot radius of the area of discovery~~ and shall retain a qualified archaeologist to evaluate the significance of the finding and appropriate course of action~~. If not already retained due to conditions present pursuant to Mitigation Measure CR-1, the project proponent shall retain a qualified professional (i.e., archaeologist, historian, architect, paleontologist, Native American Tribal monitor), subject to approval by the City of Murrieta to evaluate the significance of the find and appropriate course of action (refer to Mitigation Measures CR-1 and CR-3). If avoidance of the resources is not feasible, s~~S~~alvage operation requirements pursuant to Section 15064.5 of the CEQA Guidelines shall be followed. After the find has been appropriately avoided or mitigated, work in the area may resume.
CR-~~2~~3	In the event that human remains are unearthed during excavation and grading activities of any future development project, all activity shall cease immediately. Pursuant to State Health and Safety Code Section 7050.5, no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner shall within 24 hours notify the Native American Heritage Commission (NAHC). The NAHC shall then contact the most likely descendant of the deceased Native American, who shall serve as consultant on how to proceed with the remains.

U4. This comment is acknowledged. No further response is necessary.

the future of southern california
Murrieta
General Plan Update

Section 13.0

Errata for Final EIR

13.0 ERRATA FOR FINAL EIR

Text changes have been made to the following pages. These revised pages modify those in the Draft EIR. In addition, all relevant changes made to the Final General Plan 2035 as a result of comments on the Draft General Plan 2035, or Planning Commission and City Council direction, will be incorporated in the Final EIR.

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Economic Development Foundation for General Plan Update

Prior to commencing the comprehensive update to the City's General Plan, the City Council undertook a number of steps that lead to Council's determination that economic development is the City's number one priority and how that priority would serve as the foundation for the General Plan Update.

February 2008

The City Council authorized a sub-committee of the Council, comprised of two Council members, to evaluate a land use strategy benefiting the City's economic future. The Land Use Sub-Committee's directive was to meet with staff (City Manager, Planning Director, and Economic Development Director) to discuss the City's long-term economic opportunities, to determine if land uses and development standards should be amended to meet the City's economic objectives for the generation of revenue and the promotion of jobs.

October 2008

The City Council put in place Murrieta's first Comprehensive Economic Development Strategy (refer to Appendix U), which established economic development as the City Council's number one priority. The strategy is intended to diversify the City's economic base through three key purposes: 1) to serve as a roadmap for public and private actions to stimulate economic development, 2) encourage growth and diversification of the local economy, and 3) to promote the creation of higher pay jobs, income, and wealth in the community. The Strategy articulates a 20-year vision that includes both short-term and long-term actions, along with the following vision statements:

- *Murrieta to become diversified retail, corporate, and business hub for the region, offering high quality development, safe environment, and outstanding quality of life.*

- *Murrieta will become home to technologically advanced firms, higher educational facilities, wide variety of national and upscale retail, sit-down restaurants, quality hotels and new specialty auto dealerships, and a revitalized Historic Downtown.*

December 2008

A City Council workshop was conducted presenting the recommendations of the Land Use Sub-Committee and directed staff to return to the City Council with a work program and budget. The Land Use Sub-Committee determined that as land for office and research and development opportunities becomes saturated in the greater San Diego area, the City of Murrieta will provide the land for the next wave of development expansion. One intent of

the general plan update is to place Murrieta in a positive position, so that when economic conditions improve, the City will be prepared to embrace that development expansion. The Land Use Sub-Committee was very sensitive to the desire to have a comprehensive update to the City's General Plan in place for the 2010/11 market. The City's first General Plan was adopted in 1994 and presented a low-intensity suburban vision that is not necessarily consistent with the economic strategy currently contemplated.

The Sub-Committee recommended the primary focus of land use considerations in the General Plan Update be those areas that have the greatest potential to accept the next wave of economic expansion, including 1) Antelope Corridor (primarily east side of I-215 to Meadowlark Lane, and from Scott Road to Clinton Keith Road); 2) South Murrieta Business Corridor (generally from I-15 east to Jefferson Avenue and from Murrieta Hot Springs to the southerly City limits); 3) Murrieta Hot Springs North (generally between I-15 and I-215, between Murrieta Hot Springs and Los Alamos Roads).

April 2009

Staff gave a presentation to the City Council regarding the potential work program for comprehensive update to the General Plan, Zoning, and Development Code. The presentation identified three key questions related to Murrieta's Long-Term Vision: 1) Is it good for the City?, 2) Does it produce jobs?, and 3) Does it generate revenue?

June 2009

The City issued a Request for Proposal (RFP) for the Comprehensive General Plan Update, Redevelopment Area Land Use Analysis and Environmental Impact Report to prospective consultants. Section II of the RFP reiterates the City's focus on economic development for the general plan update.

The Murrieta City Council has designated Economic Development as its Number One Priority. The City has recently established its first Comprehensive Economic Development Strategy, which spells out the City's 20 year vision for Murrieta as a diversified business hub for Southwest Riverside County and neighboring North San Diego County. The Strategy seeks to encourage private sector investment in the creation of higher paying jobs, income, and wealth in Murrieta through economic diversification. Murrieta is seeking a full range of quality new development, including retail centers, which are anchored by department stores, national and lifestyle retailers, corporate/technology parks, hotels, and upscale restaurants. Murrieta is promoting itself, on a long term basis, as the home of technogically-advanced firms and higher educational facilities, including healthcare, medical facilities and services, software companies, engineering companies, medical device companies, biotechnology firms, defense contractors, research and development operations, green-tech, and light manufacturing. During the current economic downtown, the City is focused on creating the foundation for its future economic

prosperity through public investments in its infrastructure and by adopting General Plan policies and Development Code regulations which promote the development of shovel ready sites.

In conclusion, the City Council established a Comprehensive Economic Development Strategy in October 2008, making economic development of Murrieta the number one priority for the City. The Strategy served as one of the key factors to initiate the comprehensive General Plan Update.

3.3 STATEMENT OF OBJECTIVES

The City of Murrieta's objectives for the General Plan 2035 are as follows:

- Focus policy direction on economic development and establishing the City as a diversified and strong economic base.

- ~~Update the City's environmental baseline (i.e., existing) conditions to the year 2009.~~

- ~~Update the General Plan development projections for the year 2035, including projections for dwelling units, non-residential square footage, population, and employment.~~

- Provide new goals and policies to address future development and growth within the City.

- Provide comprehensive and concise land use designations that better reflect the land use vision for the City.

- Update the City's environmental baseline (i.e., existing) conditions to the year 2009.

- Update the General Plan development projections for the year 2035, including projections for dwelling units, non-residential square footage, population, and employment.

- ~~Focus policy direction on economic development and establishing the City as a diversified and strong economic base.~~

- Provide goals and policies to address the connections between health and the physical, social, and economic environment.

- Incorporate sustainability goals and policies to balance current demands with future demands as they pertain to the environment, economy, and social equity.

- Provide a basis for informative decisions when considering the 2035 development associated with implementation of the General Plan 2035 in the City of Murrieta.

- Conform with *CEQA* Section 21000 et seq., which requires that environmental impacts be addressed and mitigated.

- Provide a legally defensible environmental foundation upon which discretionary actions may be evaluated.

3.5.2 FOUNDATION FOR THE GENERAL PLAN 2035

Before starting the General Plan 2035, the Murrieta City Council identified economic development as the City's top priority. To support that priority, the City Council established a Comprehensive Development Strategy presenting the 20-year vision that Murrieta will be a diversified business hub for Southwest Riverside County and North San Diego County.

The General Plan 2035 presented an opportunity to get the community involved in setting direction for Murrieta. Workshops, surveys, and other participation opportunities during the planning process prompted community members to articulate their hopes for the future, provide direction on land use, suggest goals, and review draft documents. This community input was translated into the following ten community priorities that describe the vision that members of the public provided for the future of their community, which guided the goals and policies in the General Plan.

Natural Environment	*Protect the natural beauty of the mountains, hills, and waterways.*
Rural Areas	*Preserve elements of Murrieta's rural heritage.*
Community Character	*Protect and foster a strong sense of community and safety, as well as the "small~~home~~ town" feeling.*
Recreation and Culture	*Provide abundant parks and facilities for recreational activities, and cultural amenities.*
Historic Downtown Murrieta	*Create a vibrant, prosperous Historic Downtown that serves as a community center and provides a variety of quality shopping and dining experiences.*
Governance	*Promote community involvement and provide for a fiscally sound future.*
Sustainable Economy	*Pursue economic vitality and longevity by attracting higher education and growing a base of clean industry, while maintaining the current housing affordability.*
Transportation	*Improve roadway networks to reduce traffic, and provide a citywide system of bicycle lanes and recreational trails that improve accessibility without a car.*

Infrastructure and Services	*Improve health care within the City, and continue to provide excellent school, police, fire, library, and recreation services.*
Youth Amenities	*Provide ample activities for all ages of youth, and jobs for teens.*

Natural Environment – Protect the natural beauty of the mountains, hills, and waterways.

Community members value the natural beauty and clean air of Murrieta. They listed mountains, hills, and waterways as treasures, with several calling out the Santa Rosa Plateau in particular. Participants cited open space as a treasure, and participants including youth expressed that natural areas should be retained in the future.

Participants cautioned that preservation would need to be balanced with development and the need to prevent flooding around waterways. Participants also expressed concerns about interference with property rights.

A workshop group that focused on open space and trails cited several benefits of quality of life, property values, sense of community, recreation, and wildlife preservation. This group suggested that connections between open space should be designed to work for people as well as for wildlife, and proposed a park with trails along the river from Wildomar to Temecula; they also suggested removing cement from the riverbed to allow groundwater recharge.

Rural Areas – Preserve elements of Murrieta's rural heritage.

Community members value the small town~~rural~~ feel around Murrieta, although they want the preservation of rural areas to be balanced with urban growth. Workshop participants also expressed a need for additional infrastructure in rural areas, such as roads, water, and sewer.

There were several different components of this "small town~~rural~~" character that participants valued. Some wanted a feeling of openness, space, and country landscapes. Others cited the freedom to keep animals, ride horses, and grow food—or to have more privacy.

Residents in the Los Alamos area offered visions for their neighborhood that sought these types of rural elements, as well as large lot sizes and limited regulation, while providing more urban infrastructure.

Other participants suggested maintaining a small town~~rural~~ feel by using elements such as split-rail fences, swales instead of curbs, greenways, and trails. One workshop group suggested ensuring compatible land uses near rural and agricultural areas. A survey participant proposed a living farm museum.

Community Character – Protect and foster a strong sense of community and safety, as well as the "small~~home~~ town" feeling.

Community members described Murrieta as safe, and placed importance on keeping it that way. Participants felt that Murrieta was good for families and wanted the community to be a safe, healthy environment for children in the future. Teens strongly valued the safety and sense of community they felt in Murrieta.

Residents expressed that Murrieta had a small town feel and sense of community. They valued community events and considered other people in Murrieta to be an asset.

Participants, including teens, referred to Murrieta as "clean," adding suggestions for more trees or landscaping, and image improvement. Participants expressed a desire for Murrieta to have a distinct identity.

Recreation and Culture – Provide abundant parks and facilities for recreational activities, and cultural amenities.

Many comments related to recreation and culture. Community members value parks and outdoor activities. Suggestions for additional recreational facilities included a dog park, aquatic facility, and a skating rink. One workshop group suggested building a campground and also suggested that volunteers could contribute to recreation, for instance through an "adopt a trail" program.

Participants expressed a need for more dining and night life in Murrieta. Others hoped for more arts and culture events and facilities, such as a concert hall. One workshop group wanted to see cultural amenities that would attract residents aged 18-30.

Historic Downtown Murrieta – Create a vibrant, prosperous Historic Downtown that serves as a community center and provides a variety of quality shopping and dining experiences.

Participants placed importance on Murrieta's historic downtown and Town Center, describing their envisioned downtown as "magical," "bustling," "prosperous," and "vibrant." They valued the historic character of downtown and suggested street lights and windmills as enhancements.

Sustainable Economy – Pursue economic vitality and longevity by attracting higher education and growing a base of clean industry, while maintaining the current housing affordability.

Community members expressed a desire for economic development that would lead to more jobs, including high-paying jobs and jobs for teens and fully occupied retail centers. Participants hoped to see development in the Golden Triangle. They noticed local signs of the economic downturn, expressing concerns about commercial vacancies, foreclosures, and lower housing

3.5.3 CONTENTS OF GENERAL PLAN 2035

The General Plan 2035 includes the legally required elements for a General Plan, as well as some optional components that the community feels it is important to address. Once adopted, the optional elements have the same legal status as the mandatory elements. Each chapter of the General Plan has a specific purpose and focus as described below. Together, they present a consistent policy platform as required by law. No single element or subject supersedes any other, and all are internally consistent.

INTRODUCTION

The Introduction explains the purpose and contents of the General Plan, including how to use the General Plan, its relationship to California law, ~~and~~ the planning process that was followed for the General Plan 2035, and the community priorities that shaped the General Plan goals and policies..

VISION

The Vision chapter provides the context for the General Plan, including ~~background on Murrieta,~~ major policy initiatives behind the General Plan 2035~~, and the community priorities that shaped the General Plan goals and policies~~.

LAND USE ELEMENT

The Land Use Element establishes the anticipated patterns of development activity and land use that support, implement, and enhance the City's future vision. The Land Use Element will provide the primary guidance in the way Murrieta develops and redevelops over the next 25 years. It will serve as the City of Murrieta's primary policy guidance tool for land use decision-making and expresses the type, intensity, and general distribution of land uses. Parameters and desired locations for land uses such as residential, commercial, industrial, civic/institutional, parks, and open space are mapped and described.

ECONOMIC DEVELOPMENT ELEMENT

The Economic Development Element identifies current economic development conditions and demonstrates how the land use plan will promote business activity and employment growth within the City, consistent with the priorities identified by City leaders and the community. The Economic Development Element establishes goals and policies to promote fiscal stability, expand the City's employment base, and enhance the City's revenues in order to provide quality services to the community.

Background

The catalysts for reevaluating the land uses are the Crossroads Corporate Center and the Rancho Springs Medical Center. Portions of this area have been developed, but the remainder is vacant or occupied with single-family homes or small businesses on the properties.

Vision

The Golden Triangle North (Central Murrieta) Focus Area is intended to:

- Provide a mix of Multiple-Family Residential, Commercial, and Office and Research Park uses.
- Become an office and technology park employment center with some areas reserved for commercial uses.
- Provide office and research park uses in Central Murrieta north of I-215, east of Los Alamos Road, and generally west of Hancock Avenue to support the Rancho Springs Medical Center and complement the Crossroads Corporate Center.
- Provide shopping opportunities to support the employment uses in the Focus Area, as well as for the community.
- Eliminate the MU-1 general plan designation and redesignate those areas in the General Plan as either Multiple-Family Residential, Office and Research Park, or Commercial.

The Office and Research Park uses have the potential to support the Rancho Springs Medical Center, as well as provide opportunities for a range of technology and research uses. It is anticipated that buildings height for the Office and Research Park uses could range in height up to a maximum between five and ten stories.

The Commercial uses have visibility from the I-15 freeway as well as close proximity to surrounding residential and employment uses; thus providing both local and regional access to the shopping centers.

New development anticipated in this Focus Area under the General Plan 2035 includes an additional 244,872 square feet of commercial uses and 2,193,678 square feet of office and research uses.

SOUTH MURRIETA BUSINESS CORRIDOR

Location

The South Murrieta Business Corridor encompasses approximately 201 acres and is located west of Interstate 15, extending to Adams Avenue to the west and south of Murrieta Hot Springs

Road to the southern City boundary.

Background

The catalyst for reevaluating the land uses is the Murrieta Education Center, which introduces Class A office buildings to the area. Properties considered for land use changes are primarily vacant or underutilized.

Vision

The South Murrieta Business Corridor Focus Area is intended to:

- Create a signature look as the southern gateway into the City.
- Provide a mix of Office and Research Park, Business Park, and Industrial Uses.
- Become a major employment center in the southern part of the City.
- Provide additional opportunities for Class A office buildings.
- Maintain the Business Park designation to promote and intensify the uses along the Jefferson Avenue corridor.
- Eliminate the MU-2 general plan and zoning designations and redesignate those areas in the General Plan as either Office and Research Park or Business Park.

The Office and Research Park uses will be primarily located west ~~south~~ of the I-15 freeway, south ~~east~~ of Guava Street, east ~~north~~ of Madison Avenue, and north ~~west~~ of Elm Street. The buildings heights in this area could range in height up to a maximum of five to six stories.

The Business Park and Industrial uses will occupy the remainder of the Focus Area. The maximum buildings heights would be consistent with existing business park and industrial uses, ranging from two to three stories.

New development anticipated in this Focus Area under the General Plan 2035 includes an additional 3,126,582 square feet of office and research uses and 2,393,221 square feet of business park uses.

MULTIPLE USE AREA 3 (MU-3)

Location

The MU-3 area encompasses approximately 201 acres, and is primarily located on the west of Interstate 15.

Table 3-3
Focus Area Land Use Projections

Focus Area	Acres	Residential	Commercial	~~Professional and~~ Office and Research Park	Business Park	Industrial	Civic/ Institutional
North Murrieta Business Corridor	816.21		1,672,846	7,666,185			
Clinton Keith/Mitchell	279.56	869	265,155	1,045,404			
Golden Triangle North (Central Murrieta)	218.16		244,872	2,193,678			
South Murrieta Business Corridor	580.49			3,216,582	2,393,221		
Multiple Use 3 (MU-3)	201.34	1,137	800,710	434,336	291,802		2,028
Historic Murrieta Specific Plan	250.00	512	521,413	251,102			
Los Alamos	TBD	828	157,453				
Total	2,345.76	3,346	3,662,446	14,807,287	2,685,023	0	2,028

The anticipated growth in residential and non-residential uses over year 2009 conditions within the Focus Areas is:

- Addition of 3,346 dwelling units
- Addition of 21,156,784 square feet of non-residential uses

3.5.8 GENERAL PLAN BUILDOUT

Although the General Plan 2035 focuses growth within the Focus Areas, it is anticipated that additional growth would occur within the City outside of these areas. Citywide growth, including the Focus Areas, is anticipated as follows:

- Addition of 10,734 dwelling units
- Addition of 36,210,757 square feet of non-residential uses

Table 3-4, *General Plan 2035 Buildout*, provides a summary of the anticipated development conditions through buildout. The values include the additional growth anticipated with the General Plan 2035, including the Focus Areas, as presented in *Table 3-3*.

Table 3-4
General Plan 2035 Estimated Buildout

Land Use Designations	Acres	Dwelling Units	Square Feet
Residential			
~~Rural~~ Large Lot Residential	3,126.87	977	
Single-Family Residential	6,517.17	31,581	
Multiple-Family Residential	611.20	11,379	100,000
Non-Residential			
Commercial	1,335.03		18,683,477
~~Professional and~~ Office and Research Park	1,376.94		16,465,371
Business Park	823.40		11,403,714
Industrial	108.69		1,498,300
Civic/Institutional	999.14		1,168,369
Other Land Uses			
Mixed Use	42.70		853,913
Parks and Open Space	3,220.85		16,508
Roads	3,348.69		
TOTAL CITY ONLY	21,510.68	44,484	50,189,652
Sphere of Influence	5,340.95		
TOTAL WITH SPHERE OF INFLUENCE	26,851.63		

In total, these efforts are anticipated to result in following scenario at buildout:

- 44,484 residential dwelling units; and
- 50,189,652 square feet of non-residential uses.

3.5.9 LAND USE DESIGNATIONS

State General Plan law requires the Land Use Element to indicate the standards for building intensity (i.e., residential densities and non-residential building intensities) allowed in the City. Land use designations describe the type and intensity of development allowed in a given area. While terms like "residential," "commercial," or "industrial" are generally understood, State General Plan law requires a clear and concise description of the land use categories that are depicted on the General Plan Land Use Policy Map (*Exhibit 3-2*).

The proposed land use designations have been modified to reflect more generalized land use categories. The City's Zoning Map will identify the detailed zoning designations that correspond and implement the land use plan. The City's Development Code will be updated following adoption of the General Plan 2035 to reflect the new land use designations and associated zoning designations.

The Land Use Element and General Plan Land Use Policy Map contain the following land use designations.

RESIDENTIAL LAND USE DESIGNATIONS

The City of Murrieta provides a range of housing types to meet the varying needs of its residents. The following residential land use designations are established for the General Plan 2035.

Large Lot~~Rural~~ Residential (0.14 – 1.0 du/ac)

Rural Residential provides for very-low density residential development on land that may have limited access to urban services. Typical development consists of single-family detached housing and accessory buildings, often with the keeping of horses and other farm animals and/or small agricultural plantings.

Single-Family Residential (1.1 – 10.0 du/ac)

Single-Family Residential provides for traditional single-family detached and attached housing. Typical development consists of a single-family detached home for each legal lot. The Single-Family Residential designation also provides for small lot development such as zero lot line.

Multiple-Family Residential (10.1 - 30 du/ac)

Multi-Family Residential provides for attached and detached apartments and condominiums. Typical development consists of townhomes, condominiums, apartments, senior housing, and stacked flats. Multiple-Family Residential encourages the development of integrated projects that provide complementary open spaces and amenities on-site.

Base Land Use Density

The base land use density refers to the maximum number of units per acre permitted under the corresponding zoning district. The base density for the Rural Residential category is 1 unit per acre. The base densities for the Single-Family Residential and Multiple-Family Residential categories are 10 units per acre and 30 units per acre, respectively.

Housing Affordability Bonus

The City provides for the development of affordable housing for lower-income households through its affordable housing density bonus program in accordance with State law. The specific provisions of the affordable housing density bonus program are outlined in the City's Development Code. When utilizing the affordable housing density bonus program, the allowable

- Prohibit structures that are determined to be a "hazard" by the Federal Aviation Administration within the Riverside County Airport Land Use Compatibility Plan.
- Monitor legislation and regulations established by the Riverside County Airport Land Use Commission.

LU-25.9 Work closely with the Riverside County Airport Land Use Commission and other involved agencies in the development and review of the French Valley Airport Land Use Plan and other planning and environmental studies.

LU-25.10 Submit tentative tract maps and parcels maps to the Riverside County Airport Land Use Commission for consistency review. This is applicable to properties designated as Large Lot Residential and Single-Family Residential in the General Plan and that are located within Compatibility Zones C and D in the French Valley Airport Land Use Compatibility Plan.

LU-25.11 Submit commercial development and places of assembly to the Riverside County Airport Land Use Commission for consistency review with the applicable average and single-acre population intensity limits in the French Valley Airport Land Use Compatibility Plan for properties within Compatibility Zones B1, C, and D.

LU-25.12 Require new development that is 10 acres or larger in area shall incorporate open space area in compliance with the Riverside County Airport Land Use Compatibility Plan Section 4.2.4 and in compliance with the applicable compatibility zones requirements in the French Valley Airport Land Use Compatibility Plan.

DEVELOPMENT IN ADJACENT JURISDICTIONS

Goal LU-26 The City understands that development on lands adjacent to the City's corporate boundary can profoundly affect Murrieta residents and businesses.

Policies

LU-26.1 Cooperate with other jurisdictions in developing compatible land uses on lands adjacent to, or near, the City's corporate boundaries to minimize significant impacts and potentially benefit residents, businesses, and/or infrastructure systems in Murrieta.

LU-26.2 Monitor planning and environmental assessments for development projects in adjacent jurisdictions and participate in public hearings for the projects.

CODE ENFORCEMENT

Land Use designations of the proposed General Plan 2035 are listed and discussed in brief below. Refer to Section 3.0, Project Description, for a fully detailed description of proposed land use designations.

Residential Land Uses

The proposed General Plan 2035 provides for Large Lot~~Rural~~ Residential, Single-Family Residential, and Multiple-Family Residential development.

- ***Large Lot~~Rural~~ Residential (0.14 – 1.0 du/ac).*** Rural Residential provides for very-low density residential development on land that may have limited access to urban services. Typical development consists of single-family detached housing and accessory buildings, often with the keeping of horses and other farm animals and/or small agricultural plantings.

- ***Single-Family Residential (1.1 – 10.0 du/ac).*** Single-Family Residential provides for traditional single-family detached and attached housing. Typical development consists of a single-family detached home for each legal lot. The Single-Family Residential designation also provides for small lot development such as zero lot line.

- ***Multiple-Family Residential (10.1 – 30 du/ac).*** Multi-Family Residential provides for attached and detached apartments and condominiums. Typical development consists of townhomes, condominiums, apartments, senior housing, and stacked flats. Multiple-Family Residential encourages the development of integrated projects that provide complementary open spaces and amenities on-site.

BASE LAND USE DENSITY

The base land use density refers to the maximum number of units per acre permitted under the corresponding zoning district. The base density for the Rural Residential category is 1 unit per acre. The base densities for the Single-Family Residential and Multiple-Family Residential categories are 10 units per acre and 30 units per acre, respectively.

HOUSING AFFORDABILITY BONUS

The City provides for the development of affordable housing for lower-income households through its affordable housing density bonus program in accordance with State law. The specific provisions of the affordable housing density bonus program are outlined in the City's Development Code. When utilizing the affordable housing density bonus program, the allowable density is increased by up to 100 percent for senior housing and 35 percent for non-senior housing, consistent with State density bonus law, as amended.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

County of Riverside

- **THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INCONSISTENCIES WITH THE RIVERSIDE COUNTY AIRPORT LAND USE COMPATIBILITY PLAN.**

Level of Significance Before Mitigation: ~~Potentially~~ Less Than Significant Impact.

Impact Analysis: The French Valley Airport, which is a County-owned public-use airport, is located on SR-79 (Winchester Road) in unincorporated Riverside County east of Murrieta, adjacent to Temecula. The influence area for the French Valley Airport extends into the eastern portion of Murrieta. A majority of the City located within the airport influence area is within Compatibility Zones D and E. A small portion of the City generally located east of Liberty Road and South of Thompson Road is within Compatibility Zone C and a smaller area of the City generally located east of Briggs Road is located within Compatibility Zone B1. Approximately 0.01 acre is located within Zone B2; refer to *Exhibit 5.1-1*.

The existing General Plan is not consistent with the Compatibility Plan, as the General Plan land use designations do not meet the density or intensity criteria specified in the Compatibility Plan, even with the implementation of mitigation measures identified in the *French Valley Airport Land Use Compatibility Plan Initial Study and Mitigated Negative Declaration*. Specifically, the General Plan Large Lot~~Rural~~ Residential land use designation within Compatibility Zone D allows for residential development of 0.4 to 1.0 dwelling unit per acre. Development at this intensity would be inconsistent with the Compatibility Zone D criteria, which restricts lower density development to a maximum of 0.2 dwelling units per acre. The proposed General Plan 2035 is not recommending any land use changes for the areas within the French Valley Airport Compatibility Zones. However, based on discussions with ALUC staff, it was determined that in order to be consistent with the Compatibility Zone D criteria, the Large Lot~~Rural~~ Residential land use designation would be modified to accommodate the lower density of 0.1~~2~~ dwelling units per acre. Further, a policy has been included in the General Plan 2035 for properties designated as Large Lot~~Rural~~ Residential and Single-Family Residential in the General Plan that are located within Compatibility Zones C and D to submit tentative tract maps and parcel maps to the Riverside County ALUC for consistency review. The proposed Large Lot~~Rural~~ Residential density range and policy would eliminate the inconsistency that currently occurs with the ALUP.

Another inconsistency that exists within Compatibility Zone D is associated with vacant areas currently designated for commercial land uses. Future development of these lands could exceed the average and single acre intensity criteria of 150 and 450, respectively. As stated, the proposed General Plan 2035 is not recommending land use changes for the areas within the

French Valley Airport Compatibility Zones. Thus, this existing inconsistency would remain with the General Plan 2035. However, based on discussions with ALUC staff, in order to be consistent with the ALUP a policy has been included in the General Plan 2035 for proposed commercial developments and places of assembly within Compatibility Zones B1, C, and D to be submitted to the ALUC for consistency review. A policy is also proposed to address the open space provisions as determined by the respective Compatibility Zone. The proposed policies would eliminate the inconsistency that currently occurs with the ALUP.
~~Thus, new land use compatibility impacts with the Compatibility Plan for French Valley Airport would not occur. However, existing incompatibility impacts would continue to occur as the proposed General Plan 2035 land use designations for areas within the Airport Zones would remain unchanged. Therefore, as with the existing General Plan, the proposed General Plan 2035 land use designations would not meet the density or intensity criteria specified in the Compatibility Plan, resulting in a significant and unavoidable impact.~~

It should be noted that the proposed General Plan 2035 does not propose site-specific development at this time. It is anticipated that future development projects within the Airport Zones would be reviewed on a project-by-project basis to determine the proposed development's consistency with the Compatibility Plan. Further, the proposed General Plan 2035 includes policies that promote land use compatibility and protection of the public from potential impacts associated with the French Valley Airport and ensures consultation and coordination with the Riverside County Airport Land Use Commission in the development and review of the French Valley Airport Land Use Plan and other planning and environmental studies.

Refer also to *Section 5.6*, *Noise* and *Section 5.14*, *Hazards and Hazardous Materials*, for additional analysis regarding potential noise and safety impacts associated with the proposed General Plan 2035 and French Valley Airport.

As noted previously, a local agency general plan or specific plan that includes areas covered by an adopted ALUCP must submit its general plan or specific plan (or any amendments thereto) to the ALUC for a consistency determination. If the general plan or specific plan is considered inconsistent with the ALUCP, the local agency's governing body may "overrule" the ALUC's inconsistency determination after a hearing by a two-thirds vote. In overruling the ALUC's determination, the local agency's governing body must make findings that its general plan or specific plan is consistent with the purposes of the State Aeronautics Act, as stated in *California Public Utilities Code* Section 21670.

Subsequent to issuance of the Murrieta General Plan 2035 Public Review Draft EIR, the proposed General Plan 2035 was considered by the Riverside County ALUC at his May 12, 2011 hearing for consistency with the French Valley ALUCP. The ALUC determined the Murrieta General Plan 2035 to be conditionally consistent with the French Valley ALUCP with the density modification to the Large Lot~~Rural~~ Residential Land Use designation and the inclusion of additional policies to provide for future consistency review by the ALUC for properties designated Large Lot~~Rural~~ Residential and Single-Family Residential in the General Plan Compatibility Zones C and D and for properties proposing commercial development and places

of assembly within Compatibility Zones B1, C, and D, and for properties to provide the appropriate open space in compliance with the applicable Compatibility Zone (Policies LU-25.10, LU-25.11, and LU-25.12). Thus, the proposed General Plan 2035 would not result in inconsistencies with the Riverside County ALUCP for the French Valley Airport. Impacts would be less than significant in this regard.

Goals and Policies in the Proposed General Plan 2035:

Goal LU-25 Collaboration with Federal, State, County, and other regional agencies and authorities to ensure compliance with existing and future legislation that affects the City of Murrieta.

Policies

LU-25.8 Establish land use patterns that protect the public from impacts (noise, potential accidents) associated with the French Valley Airport, through the following:

- Consult with the Riverside County Airport Land Use Commission to ensure consistency with the scope and intent of the Airport Land Use Commission Law.
- Allow development in accordance with the Riverside County Airport Land Use Compatibility Plan and the French Valley Airport Compatibility Zones.
- Prohibit structures that are determined to be a "hazard" by the Federal Aviation Administration within the Riverside County Airport Land Use Compatibility Plan.
- Monitor legislation and regulations established by the Riverside County Airport Land Use Commission.

LU-25.9 Work closely with the Riverside County Airport Land Use Commission and other involved agencies in the development and review of the French Valley Airport Land Use Plan and other planning and environmental studies.

LU-25.10 Submit tentative tract maps and parcels maps to the Riverside County Airport Land Use Commission for consistency review. This is applicable to properties designated as Large Lot~~Rural~~ Residential and Single-Family Residential in the General Plan and that are located within Compatibility Zones C and D in the French Valley Airport Land Use Compatibility Plan.

LU-25.11 Submit commercial development and places of assembly to the Riverside County Airport Land Use Commission for consistency review with the applicable average and single-acre population intensity limits in the French Valley Airport Land Use Compatibility Plan for properties within Compatibility Zones B1, C, and D.

LU-25.12 Require new development that is 10 acres or larger in area incorporate open space area in compliance with the Riverside County Airport Land Use Compatibility Plan Section 4.2.4 and in compliance with the applicable compatibility zones requirements in the French Valley Airport Land Use Compatibility Plan.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.
~~No mitigation measures are available.~~

Level of Significance After Mitigation: ~~Significant Unavoidable~~Not Applicable. ~~Impact.~~

■ THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INCONSISTENCIES WITH THE WESTERN RIVERSIDE COUNTY MULTIPLE SPECIES HABITAT CONSERVATION PLAN.

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: Portions of the MSHCP Reserve Area extend into the City and the Sphere of Influence; refer to *Exhibit 5.10-2*. The reserve is intended to protect sensitive plant and wildlife species and their habitats pursuant to the Western Riverside County MSHCP. The conceptual conservation scenario for the MSHCP Reserve Area is based on existing conserved lands, undeveloped land (Core Areas), and identified potential Linkages between the Core Areas. *Exhibit 5.10-1* illustrates the existing Conserved Lands and the Proposed Linkages and Cores.

Section 5.10, Biological Resources, analyzes the proposed General Plan 2035's consistency with the MSHCP. As indicated in Section 5.10, future development within the City, including the Focus Areas may occur within the Proposed Linkages and Cores. The City of Murrieta approved the MSHCP and is a local Permittee under the MSHCP. As such, the City has the authority to meet the conservation planning obligations for its jurisdiction. Future development would undergo environmental and design review on a project-by-project basis, in order to confirm consistency with the MSHCP Species Conservation Guidelines and Area Plan Conservation Criteria.

The proposed General Plan 2035 establishes goals and policies to address compliance with the Western Riverside County MSHCP. All future development would be subject to compliance with the goals and policies identified in the proposed General Plan 2035. Therefore, future development according to the proposed General Plan 2035 is not anticipated to conflict with the provisions of the Western Riverside County MSHCP. A less than significant impact would occur in this regard.

Goals and Policies in the Proposed General Plan 2035:

5.1.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

■ DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE LAND USE IMPACTS.

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis: The proposed General Plan 2035 focuses on guiding the development of vacant land, specifically focusing on opportunities for economic development. Seven Focus Areas have been identified for policy focus. Of these seven areas, five have been targeted for land use change. These areas include key locations along freeway corridors that are suitable for major land development and redevelopment to carry out the City Council's economic development strategy, including areas around Loma Linda University Medical Center-Murrieta and the Murrieta Education Center. They also include rural residential areas north of Clinton Keith Road that are adjacent to major new development along I-215. The Land Use Policy Map establishes the vision for the City to focus its efforts to attract a variety of businesses and industries, higher educational institutions, and health care facilities, while preserving its existing residential areas. The proposed uses and their distribution will allow for the development of major employment areas, a commercial/mixed-use regional hub, and cohesive and compatible commercial, professional and office, and residential areas. The Land Use Policy Map, along with the Land Use and Economic Development Elements establish a foundation to bring jobs into the City, providing regional implications, such as improved air quality through reduced commuting and an improved jobs/housing balance.

~~Although the proposed General Plan 2035 would be inconsistent with the Compatibility Plan for the French Valley Airport, the potential inconsistencies pertain to specific sites within the City and would not be cumulatively considerable. Future development on those sites would be reviewed on a project-by-project basis to determine the proposed development's consistency with the Compatibility Plan. Therefore, cumulative Impacts would be less than significant in this regard.~~

As indicated in Section 5.2, Population, Housing, and Employment, although the proposed General Plan 2035 population and dwelling units would be slightly greater than projected by SCAG, the forecast growth is generally consistent. Further, the proposed General Plan 2035 accounts for the population growth and establishes goals and policies to reduce potential growth-related impacts. The purpose of the proposed General Plan 2035 and General Plan Land Use Policy Map is to encourage a compatible pattern of development. The goals and policies direct future growth and development in Murrieta, while minimizing potential land use conflicts. Additionally, the goals and policies are designed to preserve and improve existing and future physical development by providing a balance of residential and non-residential development,

ensuring that adjacent land uses are compatible with one another, and effectively developing vacant parcels.

All future projects under the proposed General Plan 2035 would be required to mitigate land use impacts on a project-by-project basis. Therefore the incremental impact of the proposed General Plan 2035, when considered in combination with development within the subregion, would not result in cumulatively considerable land use impacts. In addition, the land use changes anticipated under the proposed General Plan 2035 would accommodate the growth projections identified by SCAG; thus cumulative land use impacts are not anticipated. Further, projects within the SCAG region that are regionally significant, as determined by SCAG, would be reviewed for conformity with regional goals for population, housing, employment, mobility and air quality, further reducing potential cumulative impacts to a less than significant level.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.1.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Level of Significance After Mitigation: Not Applicable.

5.1.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Land Use impacts associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with goals and policies in the proposed General Plan 2035. No significant unavoidable land use impacts would occur as a result of buildout of the proposed General Plan 2035.

~~Despite compliance with goals and policies, the proposed General Plan 2035 would result in significant unavoidable impacts regarding the following:~~

- ~~Consistency impacts associated with the Riverside County Airport Land Use Compatibility Plan.~~

~~All other land use impacts associated with implementation of the proposed General Plan 2035 would be less than significant with compliance with the goals and policies in the General Plan 2035.~~

~~If the City of Murrieta approves the proposed General Plan 2035, the City shall be required to cite their findings in accordance with *CEQA Guidelines* Section 15091 and prepare a Statement of Overriding Considerations in accordance with *CEQA Guidelines* Section 15093.~~

Redevelopment Plan for the Murrieta Redevelopment Project as Amended by the 2006 Amendment, Murrieta Redevelopment Agency, June 2006.

Riverside County Airport Land Use Commission, Staff Report, May 12, 2011.

Riverside County Airport Land Use Compatibility Plan Volume I Policy Document, October 14, 2004.

Riverside County Airport Land Use Compatibility Plan Volume I Policy Document, Chapter 15 – French Valley Airport, Adopted October 2007.

South Coast Air Quality Management Plan (SCAQMP), Adopted June 1, 2007.

The Vineyards Specific Plan and EIR Substantial Conformance No. 1, June 13, 1989.

The Vineyards Specific Plan Substantial Conformance No. 4, 1992.

Western Riverside County Multiple Species Habitat Conservation Plan, June 2003.

Railways

Currently, there are no railroads traversing the City. However, opportunities to pursue future light rail transit and high speed rail are planned for the future of the City, which would create a new source of mobile noise. At this time, the location of any stations or rail alignments is not known. Implementation of Policy N-3.6 would require the City to coordinate with appropriate agencies in the siting, design, and construction of rail stations and track alignments to ensure that noise attenuation measures are addressed. Additionally, Policy LU-25.2 would require the City to establish a proactive role in the implementation of Proposition 1A in regards to the High Speed Rail.

Airport Noise

There is one primary source of air traffic affecting noise levels within the City of Murrieta; the French Valley (Rancho California) Airport, located outside the City's sphere of influence. Aircraft flyovers are heard occasionally in the City; however, the aircraft do not contribute a significant amount of noise heard in the City. The Riverside County Airport Land Use Commission has prepared a *Comprehensive Land Use Plan* for the French Valley Airport (*CLUP*), which experiences an average of 506 daily operations.

The CLUP indicates only a few parcel on the City's eastern boundary close to SR-79 are within the 55 CNEL noise level contour; the remainder of the 55 CNEL noise level contour is located outside of City boundaries. The *CLUP* also designates portions of the City as being located within Compatibility Zones B1, C, D, and E, all of which require certain land use restrictions. As cited in the French Valley Airport Land Use Compatibility Plan Initial Study and Mitigated Negative Declaration, the City of Murrieta already committed to mitigate development-related impacts to noise through compliance with applicable General Plan Noise Element policies. The City would continue to compliance with applicable policies from the update Noise Element. In addition, implementation of Policies LU-25.8 and 25.9 would require the City to work with the Riverside County Airport Land Use Commission in the development of the French Valley Airport Land Use Plan and other planning and environmental studies. In addition, compliance with Mitigation Measure NOI-2~~-x~~ would ensure aircraft noise impacts to residential uses within the 55 CNEL noise contour are mitigated to a less than significant level.

STATIONARY SOURCES

Commercial and industrial land uses are located near sensitive receptor areas. These uses currently generate occasional stationary noise impacts. Primary noise sources associated with these facilities are due to customer trips, delivery trucks, heavy machinery, air compressors, generators, outdoor loudspeakers, and gas vents. Other significant stationary noise sources within the City include construction activities, street sweepers, and gas-powered leaf blowers.

1. A significant concentration or continuity of buildings unified by past events or aesthetically by plan or physical development; or,
2. The area is associated with an event, person, or period significant or important to Murrieta history.

c. The designation of the geographic area as a historic preservation district is reasonable, appropriate, and necessary to protect, promote, and further the goals and purposes of the ordinance codified in this chapter and is not inconsistent with other goals and policies of the City.

d. Determining Factors: In determining whether to designate a historic preservation district, the following factors shall be considered:

1. District should have integrity of design, setting, materials, workmanship, and association; and,
2. The collective value of the buildings and structures in a district taken together may be greater than the value of each individual building or structure.

Historic Murrieta Specific Plan

The Historic Murrieta Specific Plan is intended to provide a vision for future development within the designated area, establish guidelines for land use decisions, improve the area's physical and economic environment, and establish City goals for quality development within Historic Murrieta. The Specific Plan area is essentially the original "Murrieta Town Site" subdivided by the Temecula Land and Water Company in 1884. It is generally bounded by Kalmia Street to the north, Ivy Street to the south, Hayes Avenue to the west, and Jefferson Avenue to the east. The Specific Plan establishes a vision for development within the area and provides design guidelines for future projects to ensure that the overall vision is achieved and maintained. Guidelines for land use patterns, tree preservation, gateways, streetscape, infrastructure, parking, streets, and alleyways, among other elements, are discussed within the Specific Plan. In addition, the Specific Plan identifies 10 Land Use Districts within the Specific Plan Area to allow for implementation of the overall Plan vision and goals, consistent with goals and policies of the City's original General Plan.

5.9.2 ENVIRONMENTAL SETTING

Paleo-Indian Period. Archaeological research and tribal oral traditions in the Murrieta-Temecula area suggests that prehistoric occupation of the valley dates back thousands of years. There are a number of long-term ~~prehistoric sites~~ village complexes and habitation sites located in Murrieta, which are valuable resources. The ~~carvings and other signs left in local rocks and boulders~~ remnants of early villages as well as the local art and ethnographic accounts provide an important record of Murrieta's early occupation by Native Americans.[3]

[3] City of Murrieta *General Plan*, June 21, 1994.

~~**Shoshonean Period.** Luiseño and Cahuilla groups of the Southern California Shoshone Indian Tribe entered into the area sometime after 1500 and settled at various sites along streams throughout the Murrieta-Temecula area. These Payomik Kowichum, as they were called before the Mission Era, were a hunting-gathering people. Two Payomik settlements are believed to have been located in Murrieta: Avaxat, referring to the cottonwoods of Murrieta Creek, was located just west of the creek near present-day Ivy Street, while Toatwi was located near Los Alamos and Winchester Road.~~[4]

Late Period. It is generally assumed that the Late Period began approximately AD 500 to 750, and its termination is widely accepted as AD 1769, the date of the beginning of permanent European occupation of California. The Luiseno Peoples occupied the Murrieta-Temecula area and called themselves Payomkawichum before the influx of European settlers and the Mission Period. There are also many Luiseno place names within the Murrieta area. Several village complexes were located within the City's boundaries; one that has been definitively identified by the Tribe is Qengva, which is in the southwest part of Murrieta. To the north of Qengva is 'avaa'ax, referring to the cottonwood trees along Murrieta Creek. To the east is the "The Owls' Nest" or Muula Putee, which is located on what residents know as the Hogbacks in the Los Alamos area. Flowing beside these prominent hills to the south is the Santa Gertrudis River or Totpa, a very important water source.

Spanish and Mexican Periods. Both the San Luis Rey and the San Juan Capistrano Missions claimed the territory for cattle raising and used local vaqueros to manage their cattle herds. They likely used Los Alamos Road to travel from the Alamos grasslands to the missions. Soon after Spain lost control of Mexico and the missions closed, the entire Murrieta area was divided among three land grants: Rancho Temecula, San Jacinto Rancho, and Rancho Santa Rosa.[5]

American Period. As travel along the Santa Fe Trail and Southern Emigrant trails during the early American Period brought more settlers, settlement occurred along the Santa Ana and San Jacinto waterways. The Southern Pacific Railroad line from Los Angeles through the San Gorgonio Pass was completed in 1876. In 1883, the California Southern Railway allowed for travel through the Cajon Pass and down to San Diego through western Riverside County. The trains were eventually used to transport settlers into the area, creating a period of agricultural and land development, ultimately resulting in the establishment of Riverside County in 1893. Transportation, agriculture, and the control of water have continued to be central themes in the settlement, development, and growth of Riverside County (Robinson 1979).

The Murrieta area was originally included in Mission San Luis Rey's lands as part of Rancho Temecula. After secularization, other ranchos were carved from Rancho Temecula, including the Pauba, La Laguna, and Little Temecula Ranchos. By the mid-19th century, Murrieta's land area was bisected by the Southern Emigrant Trail, which ran through western Riverside County

[4] Ibid.
[5] Ibid.

groves of deciduous fruits, the area settled into a more bucolic existence (Lech 2004). Daily train service continued into Murrieta until 1935, after automobile use had become a well-established alternative to train travel in southern California (Garrison 1963).

After the close of the rail line in 1935, the land boom ended. By 1947, the town had an estimated population of 1,200. In that same year, the Murrieta Fire Protection District was formed. Civic accomplishments in the 1950s included a new town hall (1956) and the formation of the Murrieta Valley Chamber of Commerce (1959). In the 1960s, the area became known for the breeding of fine racehorses.

From the 1890s through the late 20th century, Murrieta's land use and local economy was largely based on dry-farming grains (barley, wheat, and oats), and Murrieta's identity was influenced by established farms of vast rolling fields of seasonal grasses. Murrieta was largely a town consisting of grain farmers who drove huge teams of horses pulling combine harvesters over the fields of the Antelope Valley, the Santa Rosa Plateau, and the Alamos district. Murrieta farmers also grew potatoes, alfalfa, vegetables, and grape vineyards, as well as orchards of olive, cherry, pear, apple, fig, and nectarine trees (Alter et al. 2005).

One exception to the community's dominant agricultural identity was the regionally-popular Murrieta Hot Springs. Located along present Murrieta Hot Springs Road just east of I-215, the mineral-rich springs have been used by people for thousands of years. The Luiseño called the springs Churuukunuknu Haki'wuna ~~Cherukanukna Hakiwuna~~ and their extensive use of the springs is reflected in the numerous habitation sites and artifacts identified nearby. Non-Indian visitors in the late 19th century determined what the Luiseno already know about the springs, that the springs had healing properties, and Murrieta Hot Springs became part of a rapidly growing network of Southern California destinations for health-seekers. In 1887, a Pasadena syndicate bought the hot springs, along with over a thousand acres of land. After several years of new owners, Murrieta Hot Springs was purchased by Fritz Guenther in 1902. It prospered under the family's ownership for nearly 70 years, expanding from 200 acres of ranch land and a few decrepit buildings into over 500 acres of prime resort spa, complete with bathhouses, tiled pools, hotels, great halls, stables, gardens, and hiking trails; however, by 1969, profits declined due to laws prohibiting gambling, and affordable air travel enticed families to take their vacations elsewhere. Murrieta Hot Springs was sold again, continuing its decline over the years until the spa was closed in 1990 and the resort was auctioned off (Boyce 1995).

HISTORIC/ARCHAEOLOGICAL RESOURCES

Cultural resources are represented by the material remnants of human activity in an area and can be either prehistorical (aboriginal/native American) or historical (European and Euro-American). Although not necessarily of cultural significance per *CEQA*, cultural remains are considered to be of cultural concern if they are at least 50 years old. Such resources may include midden (ashy or greasy dark soil indicating former occupation); ground stone tools and milling features; rock shelters; rock art (petroglyphs); rock features (cairns, stone walls); quarries; trails; and, ecofactual material (faunal remains, fire-affected rocks). Other indicators of former occupancy

may include pottery, human skeletal remains, and body adornments (i.e. shell or bone beads, jewelry). Cultural resources can also include oral traditions, ethnographic accounts, traditional songs and stories, and places important for the continuation of traditional beliefs and practices.

A records search at the Eastern Information Center (EIC), located in the Department of Anthropology at the University of California, Riverside, indicated that 330 cultural resource studies have been conducted within the City and the Sphere of Influence, resulting in the identification of a total of 199 documented cultural resources. Previous studies within the City and the Sphere of Influence consist mainly of cultural resource assessments, survey reports, and archaeological test excavations. The documented resources within the City and the Sphere of Influence include more than 75 separate milling features in bedrock, 36 milling artifacts, 53 sites with lithic artifacts (flakes, points, debitage), five sites with rock art, nine possible prehistoric campsites or habitation sites, three possible prehistoric quarries, seven built resources, and 11 historic archaeological sites (trash scatters, habitation remains). The significance of each of these resources was not identified, and instead requires consideration on a site- or resource-specific basis.

Potential Historic Resources

A review of the Riverside Historic Properties Directory revealed that an additional 73 properties have been documented and evaluated, shown in *Table 5.9-1, Evaluated Resources in the Historic Properties Directory*. Several of these resources have been demolished. Eleven of them are part of the Murrieta Hot Springs complex, which was incorporated into a Christian conference center in 1995.

The Murrieta Historical Resources Inventory Update (Alter et al. 2004) included 71 potentially historic resources, shown in *Table 5.9-2, Potentially Historic Resources in the City of Murrieta*. Many of these resources were initially documented by the Riverside County Historical Commission in a 1982 survey that was submitted to the EIC, and are in the Riverside Historic Properties Directory; thus, they appear in *Table 5.9-1* as well. However, the City of Murrieta has never adopted a list of historic resources.

As indicated by their CHR status codes, Murrieta's documented historic properties include properties that appear eligible for the National Register or California Register through survey evaluation, and properties recognized as historically significant by local government. As yet, no individual resources, archaeological districts, or historic preservation districts have been designated for inclusion on the Murrieta Register of Cultural Resources.

The City has recognized the importance of preserving its history and character in the Conservation Element with Goal CSV-11 that seeks to preserve the City's significant historical, archaeological, and cultural value resources. Additionally, implementation of the goals and policies of the proposed General Plan 2035 Conservation and Land Use Elements, and Mitigation Measures CR-1 and CR-2, would reduce potential impacts to undocumented archaeological resources, cultural resources, and historical structure/resources to less than significant levels.

In addition, the *City of Murrieta Development Code* and *Historic Murrieta Specific Plan* provide protections for cultural and historic resources, including historic landscape features and trees. The proposed General Plan 2035 includes goals and policies regarding Historic Murrieta and to continue the City's efforts to preserve its historic character while encouraging pedestrian-oriented infill development that restores the area as a community core (Goal LU-24). Other proposed General Plan 2035 goals and policies seek to continue the rural character and heritage of the Los Alamos area (Goal LU-22).

Future development would be subject to compliance with the proposed General Plan 2035 Conservation Element and Land Use Element goals and policies outlined below and Mitigation Measure CR-1, which would ensure that future development in the City would not adversely impact archaeological, cultural, or historical resources, thereby reducing potential impacts to less than significant.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-9 A community that promotes the growth of an urban forest and water-efficient landscaping, recognizing that plants provide natural services such as habitat, storm water management, soil retention, air filtration, and cooling, and also have aesthetic and economic value.

Policies

CSV-9.1 Identify and protect native trees, trees of historic or cultural significance, and mature trees, consistent with the Tree Preservation Ordinance.

Goal CSV-11 Murrieta protects, enhances, and celebrates archaeological, cultural, and historic resources as a way to foster community identity.

Policies

CSV-11.1 Promote the protection and preservation of archaeological, cultural, historical, and architecturally significant sites, structures, districts, Native American resources, and natural features throughout the community, consistent with the Cultural Resource Preservation Ordinance. Preferred methods of protection include

Goal LU-22 Natural and visual resources are valued resources to maintain the rural character of the Los Alamos Hills.

Policies

LU-22.3 Encourage development that minimizes impacts to existing water courses, mature trees, and natural features as much as possible. In those cases that these areas/features are impacted, the final design should provide adequate mitigation on-site and/or in nearby areas.

LU-22.4 Encourage healthy and structurally sound, existing groves of eucalyptus and other mature non-native trees located west of Warm Springs Creek to be considered a visual asset to the area, and should be conserved and maintained to the maximum degree practicable.

Goal LU-24 Historic Murrieta as the City's cultural, civic and community center.

Policies

LU-24.1 Preserve and enhance the historic Murrieta area as the governmental and cultural focal point of the City.

Mitigation Measures:

CR-1 Future development projects shall continue to be evaluated for cultural resources by the City of Murrieta through review by the Eastern Information Center (EIC) and notification of and consultation with the local tribes for new entitlement projects. The projects shall be evaluated for compliance with the California Environmental Quality Act (CEQA) and where feasible, avoidance of cultural resources. If, following review by the EIC and/or tribal consultation, it is determined that there is a potential for impacts to cultural resources, further cultural resources analysis by a qualified professional(s), as defined in Mitigation Measure CR-2, may be required by the City.

CR-2~~1~~ In the event that cultural resources (archaeological, historical, paleontological) resources are inadvertently unearthed during excavation and grading activities of any future development project, the contractor shall cease all earth-disturbing activities within a 100-foot~~meter~~ radius of the area of discovery~~ and shall retain a qualified archaeologist to evaluate the significance of the finding and appropriate course of action~~. If not already retained due to conditions present pursuant to Mitigation Measure CR-1, the project proponent shall retain a qualified professional (i.e., archaeologist, historian, architect, paleontologist, Native American Tribal monitor), subject to approval by the City of Murrieta to evaluate the significance of the find and appropriate course of action (refer to Mitigation

Measures CR-1 and CR-3). If avoidance of the resources is not feasible, s~~S~~alvage operation requirements pursuant to Section 15064.5 of the CEQA Guidelines shall be followed. After the find has been appropriately avoided or mitigated, work in the area may resume.

Level of Significance After Mitigation: Less Than Significant Impact.

BURIAL SITES

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD IMPACT UNMARKED BURIAL SITES.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Given the history of various Indian tribes and their presence throughout Murrieta and the region, there is the potential for human remains, including those interred outside of formal cemeteries, to be encountered during earth removal or disturbance activities with implementation of the proposed General Plan 2035. However, archaeological resources have been documented within and near the City. Therefore, ground-disturbing activities in the City, such as grading or excavation, have the potential to disturb as yet unidentified human remains.

The Native American Graves Protection and Repatriation Act within the State of California, is enacted by the California Native American Historical, Cultural and Sacred Sites Act, and applies to Federal, State, and private lands. Upon discovery of human remains, the activity ceases and the County Coroner shall be notified. If the remains are of a Native American, the coroner notifies the Native American Heritage Commission (NAHC), which then notifies the mostly likely descendents. The NAHC is directed to prepare an inventory of Native American Sacred Places on public lands. It is illegal for anyone to knowingly or willfully possess or obtain any Native American artifacts or human remains from a Native American grave or cairn. Any person who removes, without authority of law, Native American artifacts or human remains from a Native American grave or cairn with the intent to sell or dissect such remains is guilty of a felony punishable by imprisonment in a Federal or State prison.

If human remains were found, those remains would require proper treatment, in accordance with applicable laws. State of California *Public Resources Health and Safety Code* Sections 7050.5-7055 describe the general provisions for human remains. Specifically, H*ealth and Safety Code* Section 7050.5 describes the requirements if any human remains are accidentally discovered during excavation of a site. In addition, the requirements and procedures set forth in *California Public Resources Code* Section 5097.98 would be implemented. If human remains are found during excavation, excavation must stop in the vicinity of the find and any area that is reasonably suspected to overlie adjacent remains until the County coroner has been called out, and the

remains have been investigated and appropriate recommendations have been made for the treatment and disposition of the remains.

Following compliance with State regulations, which detail the appropriate actions necessary in the event human remains are encountered, and compliance with proposed General Plan 2035 Conservation Element Goal CSV-11 and Policy CSV-11.5 and Mitigation Measure CR-2, impacts in this regard would be less than significant.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-11 Murrieta protects, enhances, and celebrates archaeological, cultural, and historic resources as a way to foster community identity**.**

Policies

CSV-11.5 Comply with state law regarding the identification and protection of Native American resources, and consult with the appropriate tribal governments.

Mitigation Measures:

CR-3~~2~~ In the event that human remains are unearthed during excavation and grading activities of any future development project, all activity shall cease immediately. Pursuant to State Health and Safety Code Section 7050.5, no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner shall within 24 hours notify the Native American Heritage Commission (NAHC). The NAHC shall then contact the most likely descendant of the deceased Native American, who shall serve as consultant on how to proceed with the remains.

Level of Significance After Mitigation: Less Than Significant Impact.

PALEONTOLOGICAL RESOURCES

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD DIRECTLY OR INDIRECTLY IMPACT A UNIQUE PALEONTOLOGICAL RESOURCE OR SITE.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: The San Bernardino County Museum Earth Sciences Division has classified the majority of the City and the Sphere of Influence as having a high potential for containing significant, nonrenewable paleontological resources. Formations in the Murrieta area have yielded extensive fossil remains. In particular, fossils may be present in three major fossiliferous Pleistocene age sedimentary rock units that are exposed along the Elsinore fault zone, as discussed above.

Future development associated with implementation of the proposed General Plan 2035 could indirectly result in impacts to undiscovered paleontological resources through remediation, demolition, or construction activities. All future improvements and development within the City would be subject to compliance with the proposed General Plan 2035 Conservation Element Goal CSV-7 and the associated policies, and Mitigation Measures CR- and CR-2~~1~~, which would ensure impacts to paleontological resources or unique geologic features are reduced to a less than significant level.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-7 Paleontological resources are conserved as a record of the region's natural history.

Policies

CSV-7.1 Continue development review procedures that protect paleontological resources.

CSV-7.2 Encourage local display and educational use of paleontological resources.

Mitigation Measures: Refer to Mitigation Measures CR-1 and CR-2. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

5.9.5 CUMULATIVE IMPACTS AND MITIGATION MEASURES

- **DEVELOPMENT ASSOCIATED WITH IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 AND CUMULATIVE DEVELOPMENT COULD RESULT IN CUMULATIVELY CONSIDERABLE IMPACTS TO CULTURAL RESOURCES.**

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Future development projects in the City of Murrieta, County of Riverside, and the region may encounter cultural resources. During the growth anticipated to occur with implementation of the proposed General Plan 2035, it is possible that undiscovered archaeological, paleontological and/or historic resources could be impacted. It is possible that cumulative development could result in the adverse modification or destruction of archaeological, paleontological, and/or historic resources. Potential cultural resource impacts associated with the development of individual projects under the proposed General Plan 2035 would be specific to each site. All new developments would be required to comply with existing Federal, State, and local regulations concerning the protection of archaeological, paleontological and historic resources on a project-by-project basis. Additionally, implementation of the goals and policies of the proposed General Plan 2035, and recommended mitigation measures, would reduce potential impacts to undocumented archaeological resources, cultural resources, and historical structure/resources to less than significant levels. Thus, implementation of the proposed General Plan 2035 would not result in cumulatively considerable cultural resource impacts.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.9.

Mitigation Measures: Refer to Mitigation Measures CR-1 through~~and~~ CR-3~~2~~. No additional mitigation measures are required.

Level of Significance After Mitigation: Less Than Significant Impact.

5.9.6 SIGNIFICANT UNAVOIDABLE IMPACTS

Impacts related to cultural resources associated with implementation of the proposed General Plan 2035 would be less than significant by adherence to and/or compliance with the existing regulatory framework, proposed General Plan 2035 goals and policies, and mitigation measures. No significant unavoidable cultural resource impacts would occur as a result of buildout of the proposed General Plan 2035.

5.9.7 SOURCES CITED

Alter, Ruth C., Kathleen A. Crawford, and Scott A. Moomjian. 2004. Murrieta Historical Resources Inventory Update. Prepared for the City of Murrieta by Archaeos, May 2004.

Boyce, Mary Alice Rail. 1995. *Murrieta - Old Town, New Town: A Community History*. Rosemar Publishing: Murrieta, CA.

California Historic Building Code (Sections 18950 to 18961 of Division 13, Part 2.7 of California Health and Safety Code), January 1, 2008.

Cultural Resources Assessment prepared by LSA Associates, Inc., January 4, 2010~~,~~.

the known distribution data for each species. The existing MSHCP database does not, however, provide the level of detail sufficient to determine the extent of the presence or distribution of narrow endemic plant species within the MSHCP Plan Area. Narrow endemic plant species are highly restricted by their habitat affinities, edaphic requirements or other ecological factors, and for which specific conservation measures have been identified in MSHCP Section 6.1.3. Since conservation planning decisions for these species will have a substantial effect on the status of these species, additional information regarding the presence of these species is required during the long-term implementation of the MSHCP, in order to ensure that appropriate conservation of these species occurs. MSHCP Section 6.1.3 identifies the narrow endemic plant species for the MSHCP and the procedures necessary to ensure that the biological functions and values of these areas throughout the MSHCP Plan Area are maintained such that habitat values for species inside the MSHCP Conservation Area are maintained. These procedures address the following requirements:

- Survey, Mapping and Documentation Requirements;
- Avoidance and Minimization;
- Determination of Biologically Equivalent or Superior Preservation;
- Relationship to Existing Wetland Regulations; and
- Additional Species Benefits.

ADDITIONAL SURVEY NEEDS AND PROCEDURES

Additional surveys may be needed for certain species in conjunction with implementation of the MSHCP, in order to achieve coverage for these species. MSHCP Section 6.3.2 (Additional Survey Needs and Procedures) discusses those additional survey needs and procedures.

HABITAT CONSERVATION PLAN FOR THE SETPHENS' KANGAROO RAT IN WESTERN RIVERSIDE COUNTY

Background

In October 1988 the Stephens' kangaroo rat (SKR) was listed as an endangered species by the United States Fish and Wildlife Service (USFWS). Under the Endangered Species Act (ESA), both the SKR and its habitat were protected from any type of disturbance resulting in "take" of the species. The net effect was to freeze new development on more than 22,000 acres throughout western Riverside County. At the time of listing very little was known about the animal, its geographical distribution, or its habitat needs.

In order to address severe economic impacts of the SKR listing, the Riverside County Habitat Conservation Agency (RCHCA) prepared a Short-Term Habitat Conservation Plan (HCP). This HCP, approved by the USFWS and CDFG in August 1990, was intended as an interim conservation program designed to afford protection to the SKR while a plan providing for the establishment of permanent preserves could be developed.

Stephens' Kangaroo Rat Habitat Conservation Plan (1996)

On behalf of its members, the Riverside County Habitat Conservation Agency (RCHCA) sought a permit from the U.S. Fish and Wildlife Service (USFWS) and an agreement with the California Department of Fish and Game (CDFG) which would authorize incidental and management take, respectively, of the Stephens' kangaroo rat (SKR), a species protected under both the California and federal Endangered Species Acts (ESA). Toward this objective, the RCHCA prepared a Habitat Conservation Plan (HCP) which describes the conservation, mitigation, and monitoring measures which will be implemented if the permit and agreement are approved by the USFWS and CDFG.

This HCP is intended to replace a SKR Short-Term HCP, which the RCHCA and its member agencies have been implementing since 1990. Under that plan the USFWS and CDFG authorized a limited amount of incidental take subject to conservation and mitigation actions designed to:

- Provide for interim protection of Study Areas in order to allow for their evaluation as potential SKR reserves;
- Ensure full mitigation for all SKR occupied habitat incidentally taken through acquisition of replacement habitat in Study Area locations approved by the USFWS;
- Allow time for the RCHCA to conduct biological research necessary to document the species' characteristics and identify factors essential to its continued existence in the HCP area;
- Design a regional reserve system adequate to ensure long-term SKR persistence in the plan area, and;
- Establish reliable funding sources sufficient to implement all provisions of the HCP for which the RCHCA assumed financial responsibility.

With the HCP, RCHCA seeks to:

- Replace its existing authorizations for incidental take of SKR with a 30-year permit and agreement;
- Replace the conservation, mitigation, and monitoring measures established under the Short-Term plan with those described in this HCP, and;
- Implement a conservation program for the SKR which will also provide the basis for a subsequent ecosystem based plan covering all sensitive habitat types and species in RCHCA jurisdictions.

The new permit and agreement would be valid for 30 years and would authorize incidental take of SKR on RCHCA member agency lands within the plan area mapped in the HCP (Figure S-1). The HCP area covers 533,954 acres within RCHCA member jurisdictions, including approximately 30,000 acres of occupied SKR habitat (Table S-1).

CONSERVATION, MITIGATION, AND MONITORING MEASURES

To meet the requirements specified in the California and Federal ESA's for the incidental and management take authorizations it seeks, the RCHCA prepared this HCP which identifies how the impacts of SKR incidental take will be minimized, mitigated, and monitored, and the degree to which the species' persistence in the plan area will be ensured.

1. Establishment, Completion, Expansion, and Management of the Core Reserves

The establishment, completion, expansion, and management of the core reserves defined in Chapter 5. SKR Conservation and Mitigation Measures will be the primary means of mitigating the impacts of incidental take to SKR in the plan area. These conservation and management activities also will be the primary means of assuring that SKR will persist within the plan area.

Through its implementation of the Short-Term SKR plan the RCHCA has ensured the conservation of the vast majority of land contained within the core reserves defined in this HCP. In order of decreasing size, the seven core reserves established by this HCP are:

- Lake Skinner-Domenigoni Valley (13,158 acres);
- Lake Mathews-Estelle Mountain (11,243 acres);
- San Jacinto-Lake Perris (10,932 acres);
- Sycamore Canyon-March Air Force Base (2,502 acres);
- Steele Peak (1,753 acres);
- Potrero ACEC (995 acres)
- Motte Rimrock (638 acres)

In the aggregate these core reserves encompass 41,221 acres, including 12,460 acres of SKR occupied habitat.

2. RCHCA Funding Commitments

In addition to the $30 million expended to date by the RCHCA to implement the Short-Term HCP and develop this conservation plan, the agency will provide an additional $11.7 million toward land acquisition, core reserve management, and administration activities necessary to implement this HCP. The implementation budget for the HCP are presented in Chapter 5, SKR Conservation and Mitigation Measures.

3. Monitoring of Compliance and Plan Effectiveness

The RCHCA will maintain responsibility for monitoring compliance with the terms and conditions of the permit and agreement. Additionally, with the assistance of the RMCC, the RCHCA will evaluate the effectiveness of HCP conservation and mitigation measures, and submit annual reports concerning same to USFWS and CDFG.

Annual reports will be reviewed by USFWS and CDFG to assess the effectiveness of the HCP in ensuring SKR persistence in the plan area. If necessary, modifications to the HCP will be made to address problems identified in the annual reports.

4. Plan Implementation

All of the institutional arrangements necessary for plan implementation are presently in place or will be established through interagency and cooperative agreements. The RCHCA Joint Powers Agreement already vests sufficient authority in the agency to perform all tasks necessary to fulfill its commitments for HCP implementation. Implementation of this HCP will be governed by legal agreements executed among the RCHCA, its member agencies, USFWS, CDFG, BLM, U.S. Department of Interior, and the State of California Resources Agency. The purpose of such agreements is to specify the terms and conditions under which the HCP will be implemented, and define the roles and responsibilities of all parties. The RCHCA and its member agencies will execute a combined Implementation Agreement/California Endangered Species Permit agreement with the aforementioned Federal and State agencies.

The City of Murrieta joined the Riverside County Habitat Conservation Agency Joint Exercise Powers Agreement on August 1, 1995.

IMPLEMENTATION AGREEMENT, RIVERSIDE COUNTY, LONG TERM CONSERVATION PLAN

The Agreement was made and entered into on April 23, 1996 by and among the United States Department of Interior, the United States Fish and Wildlife Service, the United States Bureau of Land Management, The Resources Agency of the State of California, the California Department of Fish and Game, the Riverside County Habitat Conservation Agency, the County of Riverside, and the cities of Corona, Hemet, Lake Elsinore, Moreno Valley, Murrieta, Perris, Riverside, and Temecula, all of which are located within the County of Riverside.

CITY OF MURRIETA DEVELOPMENT CODE – TREE PRESERVATION

Murrieta Development Code (*MDC*) Chapter 16.42, *Tree Preservation*, provides regulations for the protection, preservation, and maintenance of native Oak, Sycamore, and Cottonwood trees, trees of historic or cultural significance, groves and stands of mature trees, and mature trees in general, that are associated with proposals for development. These provisions are also intended to perpetuate these trees through the replacement of trees removed as a result of a new development. Pursuant to *MDC* Chapter 16.42, a protected tree includes any of the following:

A. Native Oak with a diameter at breast height of four inches or greater. Smaller trees may also be protected under special circumstances as determined by the Director;

B. Trees of historical or cultural significance as identified by Council resolution;

C. Significant groves or stands of trees;

result in pressure for this parcel to be developed with a different commercial use. However, because plant nurseries are allowed in the Rural Residential district and several non-residential zoning districts, the plant nursery could move its potted plants to another location in the City if it is displaced. Any new plant nurseries in the City would be considered to be new areas of Unique Farmland. Therefore, the proposed General Plan 2035 is not anticipated to cause a permanent loss of Unique Farmland; impacts are considered less than significant in this regard.

The 2008 Important Farmland map shows Locally Important Farmland throughout the City. However, as stated above, most of this land is not ~~believed to be~~ in agricultural production based upon City staff review of parcel records and field inspection, and therefore may not be eligible for inclusion on the Important Farmland maps expected to be released in 2011.

Under the proposed General Plan 2035, future development efforts are directed toward the Focus Areas, with an emphasis on encouraging additional office and business park uses in appropriate freeway-adjacent locations. Although most of the City is urbanized or urbanizing, large rural residential areas would remain, where agricultural uses are less subject to land use conflicts and development pressure. The proposed General Plan 2035 goals and policies in the Conservation and Land Use Elements support the protection of rural character and the continued potential for agricultural uses in these rural residential areas.

In addition to allowing agricultural activity in rural residential areas, the proposed General Plan 2035 policies encourage additional, small-scale urban agricultural opportunities to be created throughout the City. The focus of these policies is on improving Murrieta residents' access to fresh, locally grown produce, rather than on growing food for export out of the community. However, urban agriculture is an evolving industry and the proposed General Plan 2035 allows for commercial urban farming operations as well as food processing facilities that could be linked to those operations.

Through the proposed General Plan 2035, the potential for agricultural uses in rural residential areas would remain, and the expansion of agricultural uses in urbanized areas is encouraged. Therefore, impacts on farmland are considered to be less than significant.

Goals and Policies in the Proposed General Plan 2035:

CONSERVATION ELEMENT

Goal CSV-10 Fresh food is grown locally and made available through multiple venues that maintain a link to the City's agricultural heritage and promote healthy eating.

Policies

CSV-10.1 Allow agricultural uses to continue in rural residential areas.

- Consult with the Riverside County Airport Land Use Commission to ensure consistency with the scope and intent of the Airport Land Use Commission Law.
- Allow development in accordance with the Riverside County Airport Land Use Compatibility Plan and the French Valley Airport Compatibility Zones.
- Prohibit structures that are determined to be a "hazard" by the Federal Aviation Administration within the Riverside County Airport Land Use Compatibility Plan.
- Monitor legislation and regulations established by the Riverside County Airport Land Use Commission.

LU-25.9 Work closely with the Riverside County Airport Land Use Commission and other involved agencies in the development and review of the French Valley Airport Land Use Plan and other planning and environmental studies.

LU-25.10 Submit tentative tract maps and parcels maps to the Riverside County Airport Land Use Commission for consistency review. This is applicable to properties designated as Large Lot~~Rural~~ Residential and Single-Family Residential in the General Plan and that are located within Compatibility Zones C and D in the French Valley Airport Land Use Compatibility Plan.

LU-25.11 Submit commercial development and places of assembly to the Riverside County Airport Land Use Commission for consistency review with the applicable average and single-acre population intensity limits in the French Valley Airport Land Use Compatibility Plan for properties within Compatibility Zones B1, C, and D.

LU-25.12 Require new development that is 10 acres or larger in area incorporate open space area in compliance with the Riverside County Airport Land Use Compatibility Plan Section 4.2.4 and in compliance with the applicable compatibility zones requirements in the French Valley Airport Land Use Compatibility Plan.

Mitigation Measures:

HHM-4 The project applicant shall comply with the requirements of the Federal Aviation Administration (FAA) should any portions of the development be within a height overlay review zone or encroach within an imaginary surface surrounding the French Valley Airport. A Notice of Proposed Construction or Alteration (Form 7460-1) may be required by the FAA in accordance with Federal Aviation Regulations Part 77.

Level of Significance After Mitigation: Less Than Significant Impact.

Originally, the SDWA focused primarily on treatment as the means of providing safe drinking water at the tap. The 1996 amendments greatly enhanced the existing law by recognizing source water protection, operator training, funding for water system improvements, and public information as important components of safe drinking water. This approach ensures the quality of drinking water by protecting it from source to tap.

STATE

California Water Plan

The California Water Plan is prepared by the California Department of Water Resources. The Plan provides a framework for water managers, legislators, and the public to consider options and make decisions regarding California's water future. The Plan, which is updated every five years, presents basic data and information on California's water resources including water supply evaluations and assessments of agricultural, urban, and environmental water uses to quantify the gap between water supplies and uses.

The Plan also identifies and evaluates existing and proposed statewide demand management and water supply augmentation programs and projects to address the State's water needs. The Plan provides resource management strategies and recommendations to strengthen integrated regional water management. The resource management strategies help regions meet future demands and sustain the environment, resources, and economy, involve communities in decision-making, and meet various goals. A resource management strategy is a project, program, or policy that helps local agencies and governments manage their water and related resources. These strategies can reduce water demand, improve operational efficiency, increase water supply, improve water quality, practice resource stewardship, and improve flood management.

The Plan was last updated in ~~2005~~2009. The Department of Water Resources is ~~expected to approve a subsequent update in 2010.~~ currently working on the 2013 California Water Plan Update.

California Water Code

The *California Water Code* contains provisions that control almost every consideration of water and its use. Division 2 of the *California Water Code* provides that the State Water Resources Control Board (SWRCB) shall consider and act upon all applications for permits to appropriate waters. Division 6 of the *California Water Code* controls conservation, development, and utilization of the State water resources, while Division 7 addresses water quality protection and management.

Requirements for the urban water management plans include:

- Assessment of current and projected water supplies
- Evaluation of Demand and Customer Types
- Evaluation of the reliability of water supplies
- Description of conservation measures implemented by the urban water supplier
- Response plan for in the event of water shortage
- Comparison of demand and supply projection

Porter-Cologne Water Quality Control Act

The Porter-Cologne Water Quality Control Act acts in cooperation with the CWA to establish the State Water Resources Control Board (SWRCB). The SWRCB is divided into nine regions, each overseen by a RWQCB. The SWRCB, and thus each RWQCB, is responsible for protecting California's surface waters and groundwater supplies.

The Porter-Cologne Water Quality Control Act develops Basin Plans that designate the beneficial uses of California's rivers and groundwater basins. The Basin Plans also establish narrative and numerical water quality objectives for those waters. Basin Plans are updated every three years and provide the basis of determining waste discharge requirements, taking enforcement actions, and evaluating clean water grant proposals. The Porter-Cologne Water Quality Control Act is also responsible for implementing CWA Sections 401-402 and 303(d) to SWRCB and RWQCBs.

California Title 22 Drinking Water Standards

California Title 22 Drinking Water Standards (*Title 22*) incorporates the Federal requirements of the Safe Drinking Water Act, and compliance with *Title 22* is required by all water service providers. Therefore, the monitoring of all regulated chemicals as well as a number of unregulated chemicals, in the drinking water supply, as required by *Title 22*, is conducted by water agencies in the upper watershed.

In order to be in compliance with *Title 22*, each water agency must ensure that the regulated chemicals meet established primary drinking water standards to ensure the safety of the water supply. In addition to the primary drinking water standards, secondary drinking water standards have been set for some minerals based on non-health-related aesthetics, such as taste and odor. Both primary and secondary standards are expressed as the maximum contaminated levels (MCL) that are allowable for a given constituent. Unregulated chemicals do not have established drinking water standards, but are chemicals of concern for which standards may be eventually adopted. These unregulated chemicals often have a "notification level," which is a health based advisory level established by California Department of Health Services (DHS) for chemicals in drinking water that lack MCLs.

LOCAL

Upper Santa Margarita Integrated Regional Water Management Plan

The Integrated Regional Water Management Plan (IRWMP) is a planning and management tool to facilitate efficient use of water resources and to develop effective water conservation measures using a regional- and watershed-based approach.

The intent of the IRWMP is to pave the way for greater watershed-wide coordination and management of water resources within the Santa Margarita Watershed as a whole, as well as adjoining watershed and regional planning and funding efforts. Through the IRWMP, regional water agencies, flood control districts, water districts, counties, cities, land and nature conservancies, universities, Indian tribes, Camp Pendleton Marine Corps Base, federal, state, local agencies, and other stakeholder groups collaborate across jurisdictional boundaries to implement water resource management projects to address the issues and differing perspectives of all the entities involved through mutually beneficial solutions. The IRWMP also provides an opportunity to provide information on the present and future needs of the watershed for the California Water Plan.

Development of the IRWMP for the Upper Santa Margarita Watershed required a cooperative effort on the part of three agencies that have authority for planning and implementation of water management strategies in the watershed:

- Rancho California Water District (RCWD)
- Riverside County Flood Control and Water Conservation District (RCFC)
- County of Riverside

In June and July 2007, RCWD, RCFC, and the County of Riverside signed a Memorandum of Understanding (MOU) by which the three agencies agreed to cooperate and work collaboratively with other stakeholders in the Upper Santa Margarita Watershed in Riverside County toward the completion of the watershed's IRWMP.

Rancho California Water District

URBAN WATER MANAGEMENT PLAN

RCWD provides retail water for urban and agricultural uses to the City of Temecula, portions of the City of Murrieta, and unincorporated Riverside County lands in the surrounding area. RCWD comprises approximately 100,000 acres (approximately 156 square miles) in the southwestern portion of Riverside County, California. The RCWD UWMP complies with the Urban Water Management Planning Act. The Plan provides an assessment of water sources and supply, reliability of supplies, water use efficiency measures, and water demand and supply comparison. In addition, recent legislation, the Water Conservation Bill of 2009, requires urban

water suppliers to report in their UWMPs base daily per capita water use (baseline), urban water use targets for the year 2020, and interim water use targets for the year 2015. This information would be included in RCWD's 2010 UWMP Update, which is anticipated to be adopted by July 1, 2011.

REGIONAL INTEGATED RESOURCES PLAN

RCWD prepared a Regional Integrated Resources Plan (IRP) to develop a long-range water supply plan to reliably meet the needs of the District through 2050. The IRP addresses issues of imported water supply availability, system capacity constraints, rising imported water costs, and water quality. The IRP evaluates and examines a set of water supply objectives against different water supply alternatives such as increased water conservation, additional groundwater storage and reuse, conversion of agriculture from imported water to untreated water or advanced-treated recycled water, groundwater recharge using advanced-treated recycled water, and water transfers. The evaluation resulted in a preferred plan to meet the objectives and resulted in the following benefits: 1) increased groundwater production; 2) increased use of recycled water; 3) reducing peak imported water demand; and 4) water supply cost efficiency through multiple measures.

Western Municipal Water District

URBAN WATER MANAGEMENT PLAN

The Western Municipal Water District (WMWD) provides wholesale and retail water to the cities of Corona, Norco, and Riverside, other unincorporated areas, and the water agencies of Elsinore Valley and Rancho California. The WMWD consists of approximately 510 square miles within western Riverside County.

The WMWD Urban Water Management Plan (WMWD UWMP) identifies existing conditions within the District's retail water service area and addresses the long-term management of regional water supplies and ability to meet projected demands. Measures are identified for the long-term protection and provision of both potable and non-potable water to users within WMWD's General District.

INTEGRATED REGIONAL WATER MANAGEMENT PLAN

The Integrated Regional Water Management Plan (WMWD IRWMP) for the WMWD's service area addresses long-range water quantity, quality, and environmental planning needs within the District's service area. The WMWD IRWMP is intended to identify and evaluate water management strategies that could increase local water supply, thereby improving water supply reliability; address local and regional water quality, environmental, and disadvantaged community issues; identify regional planning efforts that impact water management within the WMWD's service area; estimate water demands by member agencies; identify water supplies

recycled water reclamation facilities, and water transfers and exchanges. The City receives water from four water and wastewater Districts:

- Rancho California Water District (RCWD)
- Elsinore Valley Municipal Water District (EVMWD)
- Western Municipal Water District (WMWD)
- Eastern Municipal Water District (EMWD)

The Elsinore Valley and Rancho California Water Districts encompass the largest land area within the City of Murrieta; refer to *Exhibit 5.15-1*, *Water District Service Area Boundaries*. The majority of the Focus Areas lie within the RCWD and EMWD. EVMWD, WMWD, and EMWD are both wholesale and retail water agencies. The RCWD is a retail agency. A portion of northeast Murrieta is not served by any water district, and residents in this area rely on wells; this area is commonly referred to as the "keyhole." Other, smaller areas throughout the City also lie outside the boundaries of all the water districts. The total existing water demand within the City of Murrieta is 34,953,699 gallons per day (gpd) or 39,179 acres feet per year (AF/Y); refer to *Table 5.15-1*, *Existing Water Demand*. *Table 5.15-1* averaged the RCWD Water Supply Generation Factor with the EVMWD Water Supply Generation Factor to calculate the entire City's existing water demand as these were the only available Water District Generation Factors. WMWD and EMWD were contacted but no Water District Generation Factors were made available. The WMWD and EMWD UWMPs were reviewed but didn't include Water District Generation Factors.

Due to the varied topography in the City, providing sufficient water pressure can be a challenge. Each water district maintains multiple pressure zones in the City with pump stations and reservoirs. In some areas, such as the western edge of the WMWD area, private pumping systems may be necessary to maintain adequate pressures beyond the meter connection.

POTABLE WATER SUPPLY – PROVIDERS/PURVEYORS

Water connection services within the City of Murrieta are provided by four water districts:

- Rancho California Water District
- Elsinore Valley Municipal Water District
- Western Municipal Water District
- Eastern Municipal Water District

Table 5.15-1
Existing Water Demand

Land Use	Units (du/sf/ac)	RCWD Generation Factor[1]	Water Demand	EVMWD Generation Factor[2]	Water Demand	Average gpd[3]
Rural Residential	543 du	3,000	1,629,000	750.0000	407,250	1,018,125
Single-Family Residential	28,062 du	1,500	42,093,000	750.0000	21,046,500	31,569,750
Multi-Family Residential	4,032 du	400	1,612,800	500.0000	2,016,000	1,814,400
Commercial	7,887,887 sf	0.0344	271,343.3128	0.0402	317,093	294,218
Office	1,372,863 sf	0.0344	47,226.4872	0.0689	94,590	70,908
Business Park	2,162,333 sf	0.0344	74,384.2552	0.0275	59,464	66,924
Industrial	978,469 sf	0.0344	33,659.3336	0.0689	67,417	50,538
Civic/Institutional	1,577,344 sf	0.0344	54,260.6336	0.0528	83,284	68,772
Parks & Open Space	1,833 ac	0.0002	0.366506	0.0689	126	63
Total	**-**	**-**	**45,815,674.39**	**-**	**24,091,724**	**34,953,699 gpd (39,179 AF/Y)**

Note: The RCWD Water Supply Generation Factor was averaged with the EVMWD Water Supply Generation Factor to calculate the entire City's existing water demand as these were the only available Water District Generation Factors. WMWD and EMWD were contacted but no Water District Generation Factors were made available. The WMWD and EMWD UWMPs were reviewed but didn't include Water District Generation Factors

1 = Rancho California Water District Water Supply Generation Factor
2 = Elsinore Valley Municipal Water District Water Supply Generation Factor
3 = Rancho California Water District Water Supply Generation Factor averaged with Elsinore Valley Municipal Water District Water Supply Generation Factor (the only available Water District Generation Factors) to calculate the entire City's existing water demand.
du = dwelling unit
sf = square foot
ac = acre
gpd = gallons per day
AF/Y = acres feet per year

Rancho California Water District[4]

The Ranch California Water District (RCWD) is a "Special District" organized and operated pursuant to the *California Water Code*. RCWD is governed by a seven-member Board of Directors (Board) that is elected by the voters of the region. RCWD serves as a retail water provider. RCWD serves the area known as Temecula/Rancho California, which includes the City of Temecula, portions of the City of Murrieta, and unincorporated areas of Riverside County. RCWD's existing water supplies include:

- Groundwater – Temecula and Pauba groundwater basins.
- Imported Water – Metropolitan Water District of Southern California's (MWD) Colorado River Aqueduct (CRA) and the State Water Project (SWP).

[4] RCWD 2005 Urban Water Management Plan.

- Recycled Water – Santa Rosa Water Reclamation Facility (SRWRF) operated by RCWD, and the Temecula Valley Regional Water Reclamation Facility (TVRWRF) operated by EMWD. RCWD has a vast infrastructure network to serve its service area.

As recently as 2010, RCWD's current service area represents 99,000 acres, and has 878 miles of water mains, ~~35~~ 37 storage reservoirs, one surface reservoir (Vail Lake), ~~53~~ 48 groundwater wells, and 133,200 people are served through ~~36,759~~42,988 service connections.[5]

Approximately 109,000 people are currently served by RCWD. RCWD receives its imported water (treated and untreated) through six MWD water turnouts (three in EMWD's service area, three in WMWD's service area). Water delivered to homes and businesses is a blend of well water (approximately 25 percent) and import water (approximately 75 percent). *Table 5.15-2, Rancho California Water District Planned Water Supplies Acre-Feet/Year* shows the planned water supply sources.

Table 5.15-2
Rancho California Water District Planned Water Supplies Acre-Feet/Year[6]

Water Supply Sources	2010	2015	2020	2025	2030
Imported Water (MWD)					
Treated	~~39,310~~37,214	~~32,410~~45,527	~~20,010~~50,723	~~14,100~~52,131	~~20,700~~52,577
Untreated [1]	~~15,500~~16,500	~~28,500~~16,500	~~38,500~~16,500	~~38,500~~16,500	~~38,500~~16,500
Local Groundwater Pumping	~~38,000~~25,000	~~38,000~~26,000	~~56,000~~26,000	~~56,000~~26,000	~~56,000~~26,000
Recycled Water	~~7,890~~4,593	~~9,090~~4,972	~~9,890~~3,854	~~24,300~~3,854	~~25,200~~3,854
Total	**~~100,700~~83,307**	**~~108,000~~92,999**	**~~124,400~~97,077**	**~~132,900~~98,485**	**~~140,400~~98,931**

Source: RCWD ~~Regional Integrated Resources Plan (CDM, 2005)~~projection for average annual water demand in the 2010 UWMP Update.
1. Used for groundwater recharge, ~~flows to Gorge~~surface water discharge to the Santa Margarita River, and eastern service area agriculture (after conversion of system).

RCWD does not add fluoride to its water supply; however, fluoride occurs naturally in RCWD's groundwater. The local water supplies are blended with water imported from the MWD. MWD started adding fluoride at each of its five water treatment plants in fall 2007, adjusting the natural fluoride level in water (ranging from 0.1 - 0.4 parts per million (ppm) to the optimal range of 0.7 - 0.8 ppm) as State regulations require that fluoridating systems comply with temperature-appropriate fluoride levels as indicated in Section 64433.2 of the *California Title 22 Code of Regulations*. RCWD's average fluoride level becomes 0.60 ppm, or milligrams per liter (mg/L). The maximum allowable level of fluoride at the state level is 2.0 mg/L. Moderate levels of fluoride are helpful in preventing tooth decay.

[5] The environmental baseline for the EIR is 2009 as stated in Section 3.0, Project Description. However, the Rancho California Water District provided an update to the 2009 data presented in the Draft EIR with 2010 data that has been included in the Final EIR.
[6] Ibid.

Near-Term and Long-Term Water Supply[7]

The implementation of RCWD's Regional Integrated Resources Plan (IRP), would allow the District to meet demands over the next 45 years in a sustainable and cost-effective manner. It would also reduce the dependency on treated imported water from MWD, and help hedge against droughts and other emergencies by maximizing local groundwater.

The IRP has determined that its local supply of groundwater and recycled water is 100 percent reliable for the period extending to 2030. To minimize fluctuations in groundwater production, the IRP recommends increasing groundwater recharge with additional purchases of imported water. This increase would permit increased withdrawals of groundwater while minimizing the chance of overdraft conditions and allow for storage of excess water for use in years when natural recharge is diminished as a result of hydrologic conditions. Recycled water supplies may insignificantly fluctuate during varying hydrologic conditions as conservation increases, but these slight fluctuations would not reduce the reliability of the recycled water supply. Normal year supplies vary and would continue to increase in the future as the population base in the service area increases requiring additional groundwater withdrawals and recycled water.

The IRP is designed to minimize any inconsistencies in its local supply sources and provide multiple flexible sources of water. Inconsistencies that could impact groundwater production include legal, environmental, water quality, and climatic conditions. Legal issues include use of groundwater basin by other producers, rights to store water at Vail Lake for recharge outside of the current period between November 1 and April 30. Environmental issues include disposal of brine associated with construction of a microfiltration/reverse osmosis (MF/RO) recycled water facility. Water quality issues revolve around contamination of groundwater basins, potential changes to water quality standards, and the use of MF/RO water for agricultural use.

RCWD's imported water supply is purchased through EMWD and WMWD, but is obtained directly from MWD's facilities. The agency demand projections for these two wholesalers are combined to arrive at one demand on MWD. Table 8-5 of the *2005 Update of the Urban Water Management Plan, Rancho California Water District* (refer to *Appendix N1, 2005 Urban Water Management Plan)*, illustrates MWD's existing and planned sources of water for the period 2010-2030. In summary, through 2030, the total MWD current and planned source of water is 3,459,500 AFY.

MWD has determined in the Rancho California Water District UWMP (RCWD UWMP) that its resource mix is 100 percent reliable for non-discounted non-interruptible demands using previous dry periods for the forecast period 2005-2030. Even though MWD can reliably meet RCWD's demands, the capacity constraint issue associated with the turnouts would potentially cause future peak day water shortages after 2025. Implementation of RCWD's IRP would eliminate the capacity constraints and resolve any peak day water shortages.

[7] *2005 Update of the Urban Water Management Plan, Rancho California Water District, CDM, December 2005 (refer to EIR Appendix N1: 2005 Urban Water Management Plan).*

Overall, during single-dry and multiple-dry years RCWD's combined local and imported resource mix is 100 percent reliable for non-agricultural customers with implementation of RCWD's IRP. The IRP delineated supply sources are flexible and designed to supplement each other if one source is reduced.

Elsinore Valley Municipal Water District[8]

The Elsinore Valley Municipal Water District (EVMWD) was formed as a public agency in 1950 to protect local water supplies and import supplemental water. EVMWD serves as a retail and wholesale water provider in both incorporated and unincorporated areas in its 96 square miles service. Wholesale services are provided to two retail agencies as supplemental water. EVWMD also provides wastewater treatment and is legally empowered to provide stormwater disposal and fire protection facilities, but does not do so at this time.

EVMWD's service area is divided into the Elsinore and Temescal Divisions. Only the Elsinore Division is within the upper watershed. The Elsinore Division serves approximately 32,000 accounts, while the Temescal Division serves approximately 900 accounts. *Table 5.15-3, Elsinore Valley Municipal Water District Planned Water Supplies Acre-Feet/Year* shows EVMWD's water supply projections for its entire service area to wholesale and retail customers. This table is a summary of the data presented in the EMWD Urban Water Management Plan.

Table 5.15-3
Elsinore Valley Municipal Water District Planned Water Supplies Acre-Feet/Year

Water Supply Sources	2010	2015	2020	2025	2030
Total[1]	**66,590**	**66,690**	**66,690**	**72,627**	**77,919**

Source: Elsinore Valley Municipal Water District 2005 Urban Water Management Plan
1. The projected normal water year supply includes local groundwater and surface water as well as imported Metropolitan Water District of Southern California (MWDSC) water sources.

EVMWD water supply sources include:

- Imported water – from MWD via EMWD and WMWD, resulting in a blend of State Water Project (SWP) and Colorado River Aqueduct (CRA) water.
- Groundwater – local potable sources include Elsinore Basin, Temescal Valley Basin, San Bernardino Bunker Hill Basin, Rialto-Colton and Riverside-North Basin, and Coldwater Basin; non-potable sources include Elsinore Basin, Bedford Basin, and Coldwater Basin.
- Surface Water – potable from natural runoff to Canyon Lake and imported untreated water from MWD via WMWD; non-potable from Lee Lake, Temescal Wash, Horsethief Canyon, and Indian Canyon

[8] EVMWD 2005 Urban Water Management Plan.

- Recycled Water – non-potable water from the Regional Water Reclamation Facility, Railroad Canyon Water Reclamation Facility, and Horsethief Canyon Water Reclamation Facility.

- Transfers/Exchanges – WMWD.

EVMWD receives imported water from WMWD treated at MWD's Skinner Filtration Plant through the Auld Valley Pipeline. Under a Water Facility Capacity Agreement for the Auld Pipeline, EVMWD has rights to purchase a maximum flow rate of ~~3.75~~37.50 cubic feet per second (cfs) from EMWD through its connection to MWD. Under the agreement WMWD obtains the water from EMWD and then sells it to EVMWD.

EVMWD also obtains imported water treated at MWD's Mills Filtration Plant through the Temescal Valley Pipeline via WMWD's Mills Gravity Pipeline. EVMWD has entered into lease agreements for capacity rights for a total of 21 cfs from the Mills Gravity Pipeline.

EVMWD has multiple sources of non-potable water: groundwater, surface water, and recycled water. EVMWD operates the Temescal Valley Pipeline System delivering non-potable well water to agricultural users in the Temescal Valley. Non-potable surface water is obtained from multiple lakes in the region. Wastewater is treated to tertiary standards for non-potable use by three water reclamation plants: Regional, Horsethief, and Railroad Canyon. In the future, additional recycled water may be available from another proposed wastewater treatment plant and from a disposal pipeline carrying treated water from EMWD's Temecula Valley Effluent Disposal Pipeline and RCWD's Santa Rosa Water Reclamation Facility. The disposal pipeline passes through EVMWD's service area.

Near-~~-~~Term and Long-~~-~~Term Water Supply[9]

The projected normal water year supply includes local groundwater and surface water as well as imported MWDSC water sources. Table 5.15-3 above summarizes the projected normal water year supply until 2030. According to the *Urban Water Management Plan*, *Elsinore Valley Municipal District* (refer to *Appendix M1*, *2005 Urban Water Management Plan)*, current and anticipated future supplies are sufficient to meet the projected normal year water demand through 2030.

EVMWD has predicted that sufficient supply also exists to meet the current and anticipated future demands for both single dry year and multiple dry year requirements through 2030. Dry years may prompt additional water conservation measures to ensure sufficient supply is maintained. After 2020, additional water from the MWDSC, not including the supply already planned for through the Auld Valley Pipeline (AVP) and Temescal Valley Pipeline (TVP), would be imported to supply increasing maximum day demand (MDD).

[9] *Urban Water Management Plan Final Report, Elsinore Valley Municipal Water District, MWH, December 2005 (refer to EIR Appendix M1: 2005 Urban Water Management Plan).*

Near-Term and Long-Term Water Supply[11]

The projected normal water year supply includes both potable water from the SWP for various uses and the untreated non-potable water from the CRA for agricultural and landscape irrigation. Wholesale water sales also comprise a portion of the supply Western receives from MWD. As mentioned above and according to the *Urban Water Management Plan, Western Municipal District* (refer to *Appendix O1, 2005 Urban Water Management Plan)*, MWD has projected that sufficient supplies exist to meet the demands for their agencies through 2030

Also mentioned above, MWD has predicted that sufficient supply also exists to meet demands for both single dry year and multiple dry requirements through 2030. As required, droughts may prompt additional water conservation measures to ensure sufficient supply is maintained. However, normal demands are used to provide conservative estimations of demand. MWD has projected that sufficient supplies exist to meet demands during dry years for their agencies. Therefore, supplies would equal demands since MWD would deliver the needed quantities of water while placing supplies not required on a yearly basis into storage for use in emergency conditions or droughts. The Riverside/Corona Feeder project would provide infrastructure to allow WMWD to purchase SWP water from MWD, store it in the San Bernardino Basin Area, and extract as needed.

Eastern Municipal Water District[12]

The Eastern Municipal Water District (EMWD) is public water agency formed in 1950. EMWD is governed by a five-member Board of Directors that is elected by voters within district boundaries. EMWD serves a 555-square mile service area in western Riverside County and in most areas provides retail water and sewer service. EMWD also provides wholesale and retail water service to multiple subagencies including RCWD.

EMWD receives water from the following sources:

- Imported Water – MWD (State Water Project and Colorado River Aqueduct).
- Recycled Water.
- Groundwater – San Jacinto Watershed groundwater that is desalinated for potable use. However, within the Santa Margarita Watershed portion of EMWD's service area, EMWD serves and wholesales imported water, but not groundwater. They have no plans to serve this area with groundwater.

Imported water received from MWD is treated at two treatment plants: Henry J. Mills (Mills) and Robert F. Skinner (Skinner). At Mills, SWP water is treated and at Skinner a combination of

[11] *Urban Water Management Plan, Western Municipal Water District, 2005 (refer to EIR Appendix O1: 2005 Urban Water Management Plan).*

[12] EMWD 2005 Urban Water Management Plan.

SWP and CRA water is treated. Untreated water supplied by MWD is treated by EMWD at a microfiltration plant in Perris. An additional microfiltration plant is located in Hemet.
EMWD is increasing the use of recycled water, through expansion and maximization of the four regional water reclamation facilities. As stated in the EMWD UWMP, EMWD's recycled water distribution system includes 135 miles of large diameter transmission pipelines, 6,000 AF of surface storage reservoirs (ten separate sites) and four regional pumping plants. EMWD wastewater collection systems include: 1,534 miles of gravity sewer, 53 lift stations, and five regional water reclamation facilities, with interconnections between local collection systems serving each treatment plant.

Table 5.15-5, *Eastern Municipal Water District Planned Water Supplies Acre-Feet/Year*, shows EMWD's projected water supply sources for the entire district.

Table 5.15-5
Eastern Municipal Water District Planned Water Supplies Acre-Feet/Year

Water Supply Sources	2010	2015	2020	2025	2030
Imported Water (MWD)	90,100	104,300	121,300	133,900	144,300
Groundwater	38,800	42,000	42,200	42,000	41,900
Recycled Water	32,400	36,700	40,300	44,000	47,000
Desalinated Water[1]	7,500	12,000	12,000	12,000	12,000
Total	**168,800**	**195,000**	**215,800**	**231,900**	**245,200**

Source: Eastern Municipal Water District 2005 Urban Water Management Plan.
[1] Desalinated water is not used in the Upper Santa Margarita Watershed.

Near-~~-~~Term and Long-~~-~~Term Water Supply[13]

According to the *Urban Water Management Plan*, *Eastern Municipal District* (refer to *Appendix L1*: *2005 Urban Water Management Plan*), EMWD has the supply needed to meet the demand of its customers through 2030. The conclusion is based on the assurances of MWD that it would be able to supply member agency demands, the reliability of local groundwater supplies achieved through groundwater management plans and the development of recycled water resources.

In addition to meeting the demand for a normal dry year, the law requires that water suppliers meet the need of its customers during a single dry year. For EMWD, meeting the minimal increase in demand due to a dry winter is accomplished through increasing the imports from MWD and utilizing groundwater production. MWD assures its member agencies that their needs would be met even during dry years. The groundwater management plans assure that water recharged into the basins in wet years would be available in dry years.

[13] *Urban Water Management Plan, Eastern Municipal Water District, 2005 (refer to Appendix L1: 2005 Urban Water Management Plan).*

During multiple dry years, resource planning by EMWD and MWD insures that consumer demands for water would be met. Since local resources are stable during a multiple dry year event and MWD resources are affected by weather fluctuations, the 1990-1992 hydrology conditions were considered. These were the dry years considered by MWD in planning for the worst case multiple dry year scenarios. With the assurance of MWD and the reliability of EMWD's groundwater and recycled water, EMWD is confident of its ability to meet demand through 2030.

5.15.3 SIGNIFICANCE THRESHOLD CRITERIA

The issues presented in the Initial Study Environmental Checklist (Appendix G of the *CEQA Guidelines*) have been utilized as thresholds of significance in this Section. Accordingly, water supply and distribution systems impacts resulting from the implementation of the proposed General Plan 2035 may be considered significant if they would result in the following:

- Have adverse effects of water supplies sufficient water supplies available to serve the project from existing entitlements and resources, or require new or expanded entitlements need.

- Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.15.4 PROJECT IMPACTS AND MITIGATION MEASURES

WATER SUPPLY AND DISTRIBUTION

- **IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INCREASED DEMAND FOR WATER SUPPLIES AND INFRASTRUCTURE WITHIN THE CITY.**

Level of Significance Before Mitigation: Less Than Significant Impact.

Impact Analysis:

Water Supply

Implementation of the proposed General Plan 2035 would result in additional development, resulting in an increase in the City's population and businesses, and thus, an overall increase in total water demand.

~~As stated,~~ T~~t~~he City relies on water connection services provided by four water districts: RCWD, EVMWD, WMWD, and EMWD. The UWMPs for all four water districts provide a long-range (25-year) assessment of water supply for each service area, which includes the City of Murrieta. An UWMP serves as a source document for cities and counties as they prepare their General Plans. Each water district has its own 2030 service area population projection derived from housing projections, SCAG projections, and persons per household data. The studies assess water supply to forecast year 2030 taking into consideration groundwater, imported, recycled and surface water supplies, as well as wastewater. In addition to water supply, the UWMPs address efficient use of water, demand management measures, implementation strategies and schedules, and other relevant information and programs.

The 2005 UWMPs prepared for RCWD, EVMWD, WMWD, and EMWD indicate there are sufficient water supplies based on normal, dry and multiple dry years and water shortage contingency plans to meet~~protect~~ existing and future regional water needs through 2030. According to the UWMPs for each water district, the total planned water supply through 2030 for the RCWD, EVMWD, WMWD, and EMWD is ~~140,400~~98,931 AF/Y, 77,919 AF/Y, 241,649 AF/Y, and 245,200 AF/Y, respectively for a combined water supply of ~~705,168~~663,699 AF/Y; refer to *Table 5.15-2*, *Table 5.15-3*, *Table 5.15-4*, and *Table 5.15-5*. The City currently consumes approximately 39,179AF/Y[14] of water resources to meet all constituent existing demands; refer to *Table 5.15-1*. It is anticipated that water demand ~~would gradually increase~~ associated with implementation of the proposed General Plan 2035 would increase by~~to~~ approximately 13,946.036 gpd or 15,632 AF/Y[15] in the year 2035; refer to *Table 5.15-6*, *Forecast Year 2035 Water Demand*. The proposed General Plan 2035 growth would require only ~~0.0222~~2.36 percent of the 2030~~anticipated~~ water supply from these four water districts. *Table 5.15-6* averaged the RCWD Water Supply Generation Factor with the EVMWD Water Supply Generation Factor to calculate the entire City's existing water demand as these were the only available Water District Generation Factors. WMWD and EMWD were contacted but no Water District Generation Factors were made available. The WMWD and EMWD UWMPs were reviewed but didn't include Water District Generation Factors.

[14] Rancho and Elsinore Water District generation factors (averaged the generation factors to calculate the entire City's existing water demand).

[15] Rancho and Elsinore Water District generation factors (averaged the generation factors to calculate the entire City's forecast year 2035 water demand).

Table 5.15-6
Forecast Year 2035 Water Demand

General Plan 2035 Land Use	Units (du/sf/ac)	RCWD Generation Factor[1]	Water Demand	EVMWD Generation Factor[5]	Water Demand	Average gpd[8]
Residential	10,734 du	1,500[2]	16,101,000	750.0000[6]	8,050,500	12,075,750
Non-Residential[4]	36,210,757 sf	0.0344[3]	1,245,650.041	0.0689[7]	2,494,921	1,870,286
Total	**-**	**-**	**17,346,650.004**	**-**	**10,545,421**	**13,946.036 gpd (15,632 AF/Y)**

Note: General Plan 2035 dwelling units and square footage represents growth over existing conditions.
Note: The RCWD Water Supply Generation Factor was averaged with the EVMWD Water Supply Generation Factor to calculate the entire City's existing water demand as these were the only available Water District Generation Factors. WMWD and EMWD were contacted but no Water District Generation Factors were made available. The WMWD and EMWD UWMPs were reviewed but didn't include Water District Generation Factors
1 = Rancho California Water District Water Supply Generation Factor
2 = Rancho California Water District Water Supply Generation Factor for single-family residential
3 = Rancho California Water District Water Supply Generation Factor for commercial, office & research park, business park, and civic/institutional.
4 = Non-residential land uses include commercial, office and research park, business park, and civic/institutional.
5 = Elsinore Valley Municipal Water District Water Supply Generation Factor
6 = Elsinore Valley Municipal Water District Water Supply Generation Factor for single-family residential and rural residential
7 = Elsinore Valley Municipal Water District Water Supply Generation Factor for office and research park
8 = Rancho California Water District Water Supply Generation Factor averaged with Elsinore Valley Municipal Water District Water Supply Generation Factor (the only available Water District Generation Factors) to calculate the entire City's forecast year 2035 water demand.
du = dwelling unit
sf = square foot
ac = acre
gpd = gallons per day
AF/Y = acres feet per year

The 2005 UWMPs have a 25-year planning horizon to 2030, which includes the 2030 growth projections for the existing Murrieta General Plan (1994, amended 2006). The existing General Plan projects a total of 40,845 dwelling units and 49,073,504 square feet of non-residential uses. These uses generate a water demand of 54,355.52 AF/Y, which represents 8.19 percent of the total anticipated supply of the four water districts in 2030. As a point of comparison, the proposed General Plan 2035 includes 44,484 dwelling units and 50,189,652 square feet of non-residential uses. These uses generate a water demand of 59,009.68 AF/Y, which represents 8.89 percent of the total anticipated supply of the four water districts in 2030. The incremental increase of the proposed General Plan 2035 represents a 0.70 percent increase over what is currently accounted in the 2005 UWMPs.

Based upon the 2005 UWMPs, the four water districts would have adequate water supplies based on normal, dry and multiple dry years and water shortage contingency plans to meet the future regional water needs, including the growth anticipated with the proposed General Plan 2035,

through 2030. It is too speculative to determine 2035 water supplies at this time.[16] The water suppliers are planning to meet increased demand and reduce dependence on imported water. Their plans include water storage and groundwater recharge, treatment of wastewater to supply recycled water, and treatment of other non-potable water sources to increase potable water supply. RCWD plans to create additional wells and construct a facility to reduce the salinity of recycled water for agricultural use. EVMWD plans to increase its supplies of imported water and construction additional wells. WMWD plans include developing additional storage and pipeline infrastructure, and seeking diversions from the Santa Ana River. EMWD is seeking to increase water supplies through investment in facilities that treat wastewater, groundwater, and raw water from the State Water Project.

Groundwater recharge is part of most plans to ensure future water supplies. RCWD plans to expand groundwater recharge in the Pauba Valley Basin. EVMWD has prepared a groundwater management plan for the Elsinore Basin to reduce overdraft and improve groundwater supply reliability, which includes replenishment. EMWD does not draw groundwater in the southern part of its service area, where the City lies, but is involved in groundwater recharge in the San Jacinto Watershed.

The City's *Municipal Code* (Section 16.27 Water Efficient Landscape) promotes water efficient landscaping, water use management, and water conservation through the use of water efficient landscaping, wise use of turf areas and appropriate use of irrigation technology and management. The code also achieves water conservation by raising the public awareness of the need for an effective management program through education and incentives.

Future development would be reviewed by the City on a project-by-project basis to ensure adequate water supplies are available to accommodate future projects. The proposed General Plan 2035 Conservation Element includes goals and policies to ensure that a reliable water supply can be provided within the City's service area, while remaining sensitive to the climate. The proposed General Plan 2035 also includes goals and policies that promote water conservation through the use of reclaimed water and water conservation design and technology. Goal CSV-1 promotes conservation, protection, and management of water resources to meet long-term community needs, including surface waters, groundwater, imported water supplies, storm water, and waste water. Goal CSV-2 promotes compliance with requirements from the State and appropriate agencies regarding comprehensive water conservation measures to ensure sufficient water supplies for human consumption, sanitation, and fire protection. Residents and businesses in Murrieta ~~will~~ would also need to play a role in using water resources efficiently, and this ~~will~~ would be encouraged through education and incentives from the City and water agencies. With adherence to the proposed General Plan 2035 goals and policies and the City of Murrieta *Municipal Code Water Efficient Landscape Ordinance*, compliance with the applicable

[16] This EIR is based upon the 2005 UWMPs, which were the most recently adopted UWMPs at the time the EIR was prepared. As of February 2011, the four water districts began the process of updating their 2005 UWMPs to 2010. The 2010 UWMPS will have a horizon year of 2035, but were not completed prior to release of the Draft EIR. The City of Murrieta will provide all four water districts with the Draft General Plan 2035 growth projections for inclusion in the 2010 UWMPs, as required by the California Government and Water Codes.

UWMPs and Master Plans of all four water districts, coordination between the City and water districts and that ~~fact~~ Murrieta would only use ~~0.0222~~2.36 percent of the anticipated water from these four water districts, water supply and infrastructure impacts associated with the proposed General Plan 2035 would be reduced to a less than significant level.

Water Infrastructure

Water conservation in Southern California became increasingly important in the 1980s and early 1990s, when the entire region suffered a severe drought. Drought conditions in southern California directly affect groundwater recharge and groundwater supplies. According to the Master Plans of each water district, the existing water distribution systems are generally adequate in meeting demand. However, several operational improvements have been recommended within the Master Plans to increase each system's reliability and efficiency, and to reduce the cost of delivering water within each of the four water districts in anticipation of future growth. Recommendations include additional water treatment plants, wells, storage reservoirs, booster stations, pressure regulating stations and pipelines as well as pipeline replacement and increased adequate fire flows. The Master Plans prioritize each recommended project and indicate when each project should be implemented. These improvements are planned to occur within the buildout period of 2030 for each Water Master Plan and UWMP of each of the four water districts.

Currently, portions of the North Murrieta Business Corridor, South Murrieta Business Corridor, and the Golden Triangle North (Central Murrieta) Focus Areas, along with parcels in the "key hole" area, which includes the Los Alamos Hills (refer to *Exhibit 5.15-1*), are not located within a water district and operate on individual well systems. For the North Murrieta Business Corridor Focus Area, the area generally north of Clinton Keith Road, west of Meadowlark Lane, south of Baxter Road and east of Menifee Road is not within a water district. For the South Murrieta Business Corridor Focus Area, a small portion north of the I-15 and east of the 1-215 freeway and including parcels both north and south of Jackson Avenue, and parcels generally east of Guava Street, south of Adams Avenue, west of Fig Street, and north of Washington Avenue are not within a water district. For the Golden Triangle North (Central Murrieta) Focus Area, only a small portion just north of the I-15 freeway east of Juniper Street is not within a water district. It is anticipated that future development within these areas would annex to the appropriate water district for service and connection to the infrastructure systems.

New development would be required to pay its share of the costs of infrastructure improvements necessary to accommodate the project. Water districts ~~will~~ would need to ensure their water reclamation facilities and pipeline infrastructure are planned and installed according to their UWMP projections. Additionally, coordination between the City and water districts ~~will~~ would be essential as further development is planned. Furthermore, the City has identified the protection and conservation of its existing and future water resources within the proposed General Plan 2035 Infrastructure Element goals and policies. Policies INFR-1.1 through INFR 1.7 of the proposed General Plan 2035 Infrastructure Element require new development and redevelopment projects to ensure that water infrastructure systems are adequate to serve the

Impact Analysis: Cumulative water impacts are analyzed in terms of impacts to water supplies and facilities operated by the four water districts: RCWD, EVMWD, WMWD, and EMWD. The water supply in the City comes from local sources of groundwater and surface water, imported from the Metropolitan Water District's Colorado River Aqueduct and the State Water Project, recycled water reclamation facilities, and water transfers and exchanges. The City receives water from four water and wastewater Districts: RCWD, EVMWD, WMWD, and EMWD. The Elsinore Valley and Rancho California Water Districts have the largest service areas within the City of Murrieta.

The UWMPs for all four water districts provide a long-range assessment of water supply for each service area, which includes the City of Murrieta. An UWMP serves as a source document for cities and counties as they prepare their General Plans. Each water district has its own 2030 service area population projection derived from housing projections, SCAG projections, and persons per household data. The studies assess water supply to forecast year 2030 taking into consideration groundwater, imported, recycled and surface water supplies, as well as wastewater. In addition to water supply, the UWMPs address efficient use of water, demand management measures, implementation strategies and schedules, and other relevant information and programs. The 2005 UWMPs prepared for RCWD, EVMWD, WMWD, and EMWD indicate there are sufficient water supplies and water shortage contingency plans to protect existing and future regional water needs.

Future development projects in Murrieta and the Sphere of Influence would be evaluated by the City, Riverside County, and applicable water district on a project-by-project basis to determine impacts to water supplies and infrastructure. The continued assessment of individual projects for impacts to the water supply system would assure projects would only be approved if adequate water supplies exist at the time of their implementation. New development would be required to pay its share of the costs of infrastructure improvements necessary to accommodate the project. Water districts ~~will~~ would need to ensure their water reclamation facilities and pipeline infrastructure are planned and installed according to their UWMP projections. Additionally, coordination between the City and water districts ~~will~~ would be essential as further development is planned. Furthermore, with adherence to the proposed General Plan 2035 goals and policies and the City of Murrieta *Municipal Code Water Efficient Landscape Ordinance*, compliance with the UWMPs and Master Plans of all four water districts, coordination between the City and water districts and that fact Murrieta would only use ~~0.0222~~0.0236 percent of the anticipated water from these four water districts, impacts regarding water supply, distribution, and infrastructure would be further reduced to less than significant levels. Therefore, implementation of the proposed General Plan 2035 would not result in cumulatively considerable water supply and infrastructure impacts.

Goals and Policies in the Proposed General Plan 2035: Refer to the goals and policies referenced above in this Section 5.15.

Mitigation Measures: No mitigation measures beyond the goals and policies identified in the proposed General Plan 2035 are required.

Based on these significance thresholds and criteria, the proposed General Plan 2035's effects have been categorized as either "no impact," a "less than significant impact," or a "potentially significant impact." Mitigation measures are recommended for potentially significant impacts. If a potentially significant impact cannot be reduced to a less than significant level through the application of mitigation, it is categorized as a significant unavoidable impact.

5.16.4 PROJECT IMPACTS AND MITIGATION MEASURES

■ IMPLEMENTATION OF THE PROPOSED GENERAL PLAN 2035 COULD RESULT IN INCREASED DEMAND FOR WASTEWATER SERVICES AND INFRASTRUCTURE.

Level of Significance Before Mitigation: Potentially Significant Impact.

Impact Analysis: Implementation of the proposed General Plan 2035 would potentially result in additional development, resulting in an increase in the City's population and businesses, and thus, an overall increased demand on the existing sewer system from increased sewage flows. As indicated in *Table 5.16-5*, *Net Increase in Wastewater Generation Under General Plan 2035* buildout under the proposed General Plan 2035 would generate an additional 6,403AF/Y of effluent sewer flow to the existing sewer conveyance system. According to *Table 5.16-1* and *Table 5.16-3*, the total planned wastewater collection of 8,532 AF/Y for SRWRF and 85,785 AF/Y for EMWD, a total of 94,317 AF/Y, is anticipated for year 2035. The General Plan 2035 would only utilize approximately ~~0.0679~~6.79 percent of the anticipated wastewater collection from SRWRF and EMWD.

Wastewater collection for the City is provided by the same four water districts that provide potable water to the City: RCWD, EVMWD, WMWD, and EMWD. Only RCWD and EMWD provide wastewater treatment.

Table 5.16-5
Net Increase in Wastewater Generation Under General Plan 2035

Land Use	Units	Generation Factor[1]	Gallons Per Day	Gallons Per Year	Million Gallons Per Day	AF/Y
Residential	10,734	100 g/p/d	3,220,200	1,175,373,000	3.2202	3,608.40
Non-Residential[2]	831.284 acres	3000 g/a/d	2,493,852	910,255,980	2.4939	2,794.49
Total	**-**	**-**	**5,714,052**	**2,085,628,980**	**5.7141**	**6,402.88**

[1] *City of Murrieta GP Draft EIR*, Table 4.6-4, *Murrieta Wastewater Generation Existing and Future With Project*, Generation Factors from Eastern Municipal Water District, December 1993
[2] Non-residential land uses include commercial, office and research park, business park, and civic/institutional.
g/p/d = gallons per person per day
g/a/d = gallons per acre per day
AFY = acres feet per year

updated every four years; therefore, SCAG's 2012 RTP growth forecast would take into account the growth associated with the City of Murrieta's adopted General Plan at that time.

Water conservation will be a key factor in reducing the amount of wastewater generated per household. Further development in areas of the City where sewer infrastructure is not available may require additional alternative on-site water treatment systems. The proposed General Plan 2035's Infrastructure and Conservation Elements includes goals and policies to ensure wastewater conveyance, treatment facilities, and disposal is adequate to service development associated with implementation of the General Plan 2035. Infrastructure Element Policies INF-1.9 and 1.10 encourage the water districts to maintain, improve, and replace aging wastewater systems to ensure services to all areas of the community and in a way that also respects the natural environment. Policy INF-1.8 encourages consultation with the water districts and the RCFCWCD to ensure that fee structures are sufficient for new development and redevelopment to pay its fair share of the cost of infrastructure for sewer. Additionally, the increase in population is anticipated to occur throughout the General Plan forecast year of 2035, allowing for development of necessary services and infrastructure to accommodate the proposed growth. With the anticipated expansion of the EMWD and RCWD treatment facilities, City coordination with the water districts, implementation of the proposed General Plan 2035 goal and policies, and mitigation measures requiring individual development projects to verify sufficient wastewater transmission and treatment plant capacity is available to serve the proposed development, impacts would be reduced to a less than significant level. Furthermore, the General Plan 2035 would only use approximately ~~0.0679~~6.79 percent of the anticipated wastewater collection from SRWRF and EMWD. Therefore, impacts are less than significant in this regard; however Mitigation Measures have been recommended for future development projects to ensure that impacts remain at less than significant levels.

Goals and Policies in the Proposed General Plan 2035:

INFRASTRUCTURE ELEMENT

Goal INF-1 New development and redevelopment is coordinated with the provision of adequate infrastructure for water, sewer, storm water, and energy.

Policies

INF-1.1 Encourage future development to occur in areas where infrastructure for water, sewer, and storm water can most efficiently be provided.

INF-1.2 Discourage development in areas isolated from existing infrastructure.

INF-1.3 Encourage the annexation of unserved areas into water district service areas.

Natural Environment	*Protect the natural beauty of the mountains, hills, and waterways.*
Rural Areas	*Preserve elements of Murrieta's rural heritage.*
Community Character	*Protect and foster a strong sense of community and safety, as well as the "small~~home~~ town" feeling.*
Recreation and Culture	*Provide abundant parks and facilities for recreational activities, and cultural amenities.*
Historic Downtown Murrieta	*Create a vibrant, prosperous Historic Downtown that serves as a community center and provides a variety of quality shopping and dining experiences.*
Governance	*Promote community involvement and provide for a fiscally sound future.*
Sustainable Economy	*Pursue economic vitality and longevity by attracting higher education and growing a base of clean industry, while maintaining the current housing affordability.*
Transportation	*Improve roadway networks to reduce traffic, and provide a citywide system of bicycle lanes and recreational trails that improve accessibility without a car.*
Infrastructure and Services	*Improve health care within the City, and continue to provide excellent school, police, fire, library, and recreation services.*
Youth Amenities	*Provide ample activities for all ages of youth, and jobs for teens.*

- ***Land Use Alternatives.*** The next major phase in the planning process considered and analyzed different scenarios for land use change, with several opportunities for community input.

  Before commencing work on the General Plan 2035, the City Council decided on four "Focus Areas" that were targeted for land use change:

  - North Murrieta Business Corridor
  - Clinton Keith/Mitchell Area

Determination of Alternatives to Be Analyzed

Key factors used to determine the range of feasible alternatives to the proposed General Plan 2035 include the objectives established for the EIR process, the City Council's number one priority of Economic Development, and ~~along with~~ the community values and vision for the General Plan 2035.

The basic objectives of the proposed General Plan 2035 and General Plan EIR are set forth specifically and in detail in Section 3.3, Statement of Objectives. Section 3.2, Background, provides the framework for the economic development foundation for the General Plan 2035, and is summarized in the following sentences. The City Council established a Comprehensive Economic Development Strategy in October 2008, making economic development of Murrieta the number one priority for the City. The Strategy served as one of the key factors to initiate a comprehensive General Plan Update. The update process involved a number of steps, including but not limited to, visioning and community involvement that led to the establishment of ten community priorities; a complete revision to all the elements, and the addition of new elements. The community priorities are reflected throughout the General Plan 2035, and have been previously stated in this Section. The land use alternatives for the General Plan Update were developed based upon the City Council's number one priority along with the City's goal to revitalize and make Murrieta a regional hub of economic activity. Both of these served as key driving factors for the update and ultimately to the City Council and Planning Commission selection of a Recommend Land Use Scenario and two additional alternatives (Scenario A and Scenario B). The land use changes identified in the Land Use Element that make way for this revitalization and economic activity are the cornerstones of General Plan 2035.

~~Community priorities have been previously stated in this section.~~ With these factors in mind, the following alternatives have been identified for detailed analysis in this section:

- No Project/Existing General Plan
- Scenario A
- Scenario B

ALTERNATIVES ANALYSIS

Potentially significant impacts that would result from implementation of the proposed General Plan 2035 are identified in Section 5.0, Environmental Analysis, which indicates that the proposed General Plan 2035 would result in significant and unavoidable impacts related to:

- ~~***Land Use***~~
  - ~~Consistency with the Riverside County Airport Land Use Compatibility Plan~~
- *Traffic*
  - Roadway Segments Exceeding LOS Standards (LOS D, E, or F) – Project and

6.2.2 IMPACT EVALUATION

LAND USE

Two objectives of the proposed General Plan 2035 are to provide comprehensive and concise land use designations that better reflect the land use vision for the City and to update the General Plan development projections to the year 2035. The No Project/Existing General Plan Alternative land use designations do not adequately address the development patterns and land use vision for the City. Further, this Alternative does not include a land use plan that reflects the current development projections for future years. Under the No Project/Existing General Plan Alternative, the existing Land Use Element would continue to provide outdated information that does not reflect the current conditions or goals of the City. This Alternative would prevent the City from achieving some of the core objectives of the 2035 General Plan, including economic revitalization, job creation, and healthy community goals. The proposed General Plan 2035 revises and updates the existing Land Use Element, including establishing Focus Areas for future growth that reflect the economic development priorities of the City. The General Plan 2035 proposes removal of the MU-1, MU-2, and MU-3 land use and zoning designations and the introduction of a mixed-use land use designation. The proposed General Plan 2035 provides updated land use information for the City, including land uses that have changed over time and may not be reflective of the existing General Plan's land use designations. It establishes the policy foundation to address current and anticipated buildout conditions over the next 25 years. The existing inconsistency impact with the *Riverside County Airport Land Use Compatibility Plan* associated with the French Valley Airport would continue to occur with this Alternative, as no new policies would be included to address the inconsistency.~~, similar to the proposed General Plan 2035~~. In this regard, the No Project/Existing General Plan Alternative is considered environmentally inferior to the proposed General Plan 2035.

POPULATION, HOUSING, AND EMPLOYMENT

Two objectives of the proposed General Plan 2035 are to update the City's environmental baseline conditions to 2009 and to update the General Plan development projections to the year 2035 for dwelling units, non-residential square footage, population, and employment. The No Project/Existing General Plan Alternative does not reflect the most current population, employment, and housing numbers or projections, nor does it provide quantitative population, employment, and housing projections for future years. The existing General Plan was adopted in 1994 with amendments in 2006, and therefore does not address current conditions or plan for anticipated growth within the City over the next 25 years. In contrast, the proposed General Plan 2035 reflects the current priorities of the City, including economic development and increased employment opportunities within the City. The No Project/Existing General Plan Alternative does not provide for the type and intensity of non-residential development within specific Focus Areas of the City in order to achieve these priorities to the extent of the General Plan 2035. Further, the jobs/housing balance would not be improved to the extent of the General Plan 2035. Therefore, the No Project/Existing General Plan Alternative is considered environmentally

would allow for the development of additional multiple-family residential uses within the Clinton Keith/Mitchell and North Murrieta Business Corridor Focus Areas, when compared to the General Plan 2035. These land use changes would continue to provide consistent and compatible development within the City and be consistent with Federal, State, and regional plans, policies, or regulations, similar to the proposed General Plan 2035. Similar to the proposed General Plan 2035, this Alternative would provide additional land use policies for consistency with the ~~However, the existing inconsistency impact with the~~ *Riverside County Airport Land Use Compatibility Plan* associated with the French Valley Airport~~ would continue to occur with this Alternative, similar to the proposed General Plan 2035~~. The Scenario A Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035.

POPULATION, HOUSING AND EMPLOYMENT

The Scenario A Alternative would update the City's environmental baseline conditions to 2009 and update the General Plan development projections to the year 2035, similar to the General Plan 2035. Development projections include projections for dwelling units, non-residential square footage, population, and employment. The Scenario A Alternative would provide the most current population, housing, and employment numbers or projections, and quantitative population, employment, and housing projections for future years. Although the Scenario A Alternative reflects the current priorities of the City, including economic development and increased employment opportunities within the City, it does not provide the amount of non-residential development to achieve these priorities to the extent of the proposed General Plan 2035. The Scenario A Alternative would provide for greater residential development (7,544 more dwelling units) and decreased non-residential development (2,822,894 fewer square feet of non-residential uses) when compared to the proposed General Plan 2035. As indicated in Section 5.2, Population, Housing, and Employment and Section 7.0, Other CEQA Considerations, potential buildout of the proposed General Plan 2035 would result in 44,484 dwelling units and 130,153 jobs, resulting in a jobs/housing ratio of approximately 2.9. A ratio of 1.0 or greater generally indicates that a City provides adequate employment opportunities, potentially allowing its residents to work within the City. A desirable jobs/housing balance improves regional mobility (traffic), reduces vehicle miles traveled, and improves air quality. Potential buildout of the Scenario A Alternative would result in 44,640 dwelling units and 118,783 jobs, resulting in a jobs/housing ratio of approximately 2.7. Although the Scenario A Alternative would provide an improved jobs/housing balance over existing conditions, it would not be improved to the extent of the proposed General Plan 2035. Therefore, the Scenario A Alternative is considered environmentally inferior to the proposed General Plan 2035 in this regard.

AESTHETICS

Both the Scenario A Alternative and the proposed General Plan 2035 would encourage preservation of existing residential neighborhoods within the City. Vacant land within the City

time and may not be reflective of the existing General Plan's land use designations. It establishes the policy foundation to address current and anticipated buildout conditions over the next 25 years. The Scenario B Alternative would involve changes to land use designations that would allow for the development of additional multiple-family residential uses within the Clinton Keith/Mitchell, North Murrieta Business Corridor, and Multiple Use 3 Focus Areas, when compared to the General Plan 2035. These land use changes would continue to provide consistent and compatible development within the City and be consistent with Federal, State, and regional plans, policies, or regulations, similar to the proposed General Plan 2035. ~~However, the existing inconsistency impact~~ Similar to the proposed General Plan 2035, this Alternative would provide additional land use policies for consistency with the *Riverside County Airport Land Use Compatibility Plan* associated with the French Valley Airport ~~would continue to occur with this Alternative, similar to the proposed General Plan 2035~~. The Scenario B Alternative is considered neither environmentally superior nor inferior to the proposed General Plan 2035.

POPULATION, HOUSING, AND EMPLOYMENT

The Scenario B Alternative would update the City's environmental baseline conditions to 2009 and update the General Plan development projections to the year 2035, similar to the General Plan 2035. Development projections include projections for dwelling units, non-residential square footage, population, and employment. The Scenario B Alternative would provide the most current population, housing, and employment numbers or projections, and quantitative population, housing, and employment projections for future years. Although the Scenario B Alternative reflects the current priorities of the City, including economic development and increased employment opportunities within the City, it does not provide the amount of non-residential development to achieve these priorities to the extent of the proposed General Plan 2035. The Scenario B Alternative would provide for greater residential development (7,489 more dwelling units) and decreased non-residential development (3,007,277 fewer square feet of non-residential uses) when compared to the proposed General Plan 2035. As indicated in Section 5.2, Population, Housing, and Employment and Section 7.0, Other CEQA Considerations, potential buildout of the proposed General Plan 2035 would result in 44,484 dwelling units and 130,153 jobs, resulting in a jobs/housing ratio of approximately 2.9. A ratio of 1.0 or greater generally indicates that a City provides adequate employment opportunities, potentially allowing its residents to work within the City. A desirable jobs/housing balance improves regional mobility (traffic), reduces vehicle miles traveled, and improves air quality. Potential buildout of the Scenario B Alternative would result in 44,585 dwelling units and 118,412 jobs, resulting in a jobs/housing ratio of approximately 2.7. Although the Scenario B Alternative would provide an improved jobs/housing balance over existing conditions, it would not be improved to the extent of the proposed General Plan 2035. Therefore, the Scenario B Alternative is considered environmentally inferior to the proposed General Plan 2035 in this regard.

development would be part of this effort, including retail centers, corporate/technology parks, hotels, and upscale restaurants, which would not be supported with this Alternative as compared to the proposed General Plan 2035. Buildout under the No Project/Existing General Plan Alternative would not provide opportunities for residents to live and work within the City to the extent of the proposed General Plan 2035. Thus, this Alternative would not achieve a housing balance that improves regional mobility (traffic), reduces vehicle miles traveled, and improves air quality to the extent of the proposed General Plan 2035. Further this Alternative would not provide updated development projections for the year 2035, nor provide a land use plan and policy direction that addresses future development and growth anticipated by the City and SCAG.

SCENARIO A ALTERNATIVE

The Scenario A Alternative would meet the stated objectives of the General Plan 2035 and EIR, as the Scenario A Alternative would provide new and updated information based on current conditions and would provide updated goals and policies to direct future growth within the City. Although it would generally meet the growth objectives identified by the General Plan 2035, this Alternative would provide for greater residential development and less non-residential development. Therefore, the economic development objectives, including providing an improved jobs/housing ratio would not be achieved to the same extent as the General Plan 2035. The Scenario A Alternative would result in similar environmental impacts when compared to the proposed General Plan 2035 with the exception of population, housing, and employment and public services and utilities, which would be greater. The Scenario A Alternative would not reduce any of the significant unavoidable impacts identified for ~~land use,~~ traffic and circulation, air quality, noise, or parks and recreation facilities. Although both the Scenario A Alternative and General Plan 2035 would result in a significant and unavoidable impact to parks and recreational facilities, the deficiency would be greater under the Scenario A Alternative. However, since the Scenario A Alternative allows for greater non-residential development in support of the City's economic development goals and would meet the project objectives, Alternative A is selected as the environmentally superior alternative.

SCENARIO B ALTERNATIVE

The Scenario B Alternative would meet the stated objectives of the General Plan 2035 and EIR, as the Scenario B Alternative would provide new and updated information based on current conditions and would provide updated goals and policies to direct future growth within the City. Although it would generally meet the growth objectives identified by the General Plan 2035, this Alternative would provide for greater residential development and less non-residential development. Therefore, the economic development objectives, including providing an improved jobs/housing ratio would not be achieved to the same extent as the General Plan 2035. The Scenario B Alternative would result in similar environmental impacts when compared to the proposed General Plan 2035 with the exception of population, housing, and employment and public services and utilities, which would be greater. The Scenario B Alternative would not reduce any of the significant unavoidable impacts identified for ~~land use,~~ traffic and circulation,

UNITED STATES POST OFFICE
MURRIETA, CALIFORNIA 92564
Juniper Street
Washington Ave

GENERAL PLAN COMMENTS AND RESPONSES

ATTACHMENT 9

COMMENTS RECEIVED ON GENERAL PLAN 2035
AND
STAFF RESPONSES TO COMMENTS

Comments Received on General Plan 2035

COMMENT LETTER	COMMENT TOPIC/AREA	FROM	RECEIVED VIA	DATE RECEIVED
A1	Circulation Element	Allan Davis	Email	March 19, 2011
A2	Circulation Element	Larry Markham	Email	March 19, 2011
B	Circulation Element	QVT	Letter dated March 14, 2011	March 21, 2011
	Circulation Element	Whitewood Petition	No date	March 23, 2011
C	Circulation Element	Frank Noriega	No date	March 24, 2011
D	Land Use Element/ North Murrieta Business Corridor	Harvey Baublitz	Letter	March 9, 2011
E	Land Use Element/ North Murrieta Business Corridor	Harvey Baublitz	Letter	March 23, 2011
F	Land Use Element/ Golden Triangle North (Central Murrieta)	M. Robert Carrigan	Letter	March 8, 2011
G	Land Use Element/ Golden Triangle North (Central Murrieta)	Carol Kravagna Hanson	Letter	March 9, 2011
H	Land Use Element/MU-3	Nancy Knight	Letters(2) faxed	March 4, 2011
I	Land Use Element/MU-3	Nancy Knight	Email	March 8, 2011
J	Land Use Element/MU-3	Karl and Teri Hennicke	Email	March 7, 2011
K	Land Use Element / Los Alamos Hills	Robert D. Wheeler	Letter	March 22, 2011
L	Land Use Element / Los Alamos Hills	CQLM (without attachments)	Letter	February 24, 2011
M1	Land Use Element / Los Alamos Hills	CQLM Form Letter 1	Letter (SP)	March 23, 2011
M2	Land Use Element / Los Alamos Hills	CQLM Form Letter 2	Letter (MSHCP)	March 23, 2011
N	Land Use Element / Los Alamos Hills	Clay Borel	Letter	April 21, 2011
O	Land Use Element	Sapetto Group Inc.	Letter	May 6, 2011
P1	Infrastructure Element	Elsinore Valley Municipal Water District	Letter (1/25/2011)	February 1, 2011
P2	Infrastructure Element	Eastern Municipal Water District	Letter (March 30, 2011)	April 7, 2011
P3	Infrastructure Element	Rancho California Water District	Letter (April 4, 2011)	April 7, 2011
Q	Conservation Element	The Sauls Company	Letter (3/11/2011) (MSHCP)	March 24, 2011
R	Conservation Element	Larry Markham/Brent Cooper	Email (LOMR Study for Warm Springs Creek)	March 22, 2011
S	Conservation Element	John Dechert	Letter on Water Conservation	March 23, 2011

A

Smith, Greg (Planning)

From: Lanier, Mary (Planning)
Sent: Tuesday, March 22, 2011 4:47 PM
To: Abeles, Lorie (Planning); Smith, Greg (Planning); 'Collette Morse'; Mackenzie, Jim (Planning); Kinser, Cynthia (Planning)
Subject: FW: Comments on General Plan Circ Element from 2/28 mtg with Larry Markham and Allan Davis
Attachments: Circulation Element comments by ALD.pdf; mou city-orchard.pdf

Importance: High

Lorie,

Please forward to the Planning Commission.

Thanks,
Mary

From: Allan Davis [mailto:adavis@retaildevelopmentadvisors.com]
Sent: Saturday, March 19, 2011 5:10 PM
To: 'Larry Markham'
Cc: Lanier, Mary (Planning); 'Steve Rawlings'
Subject: RE: Comments on General Plan Circ Element from 2/28 mtg with Larry Markham and Allan Davis
Importance: High

A1

Larry/Mary:
Here are my comments about McElwain Road north of Linnel Lane to Keller Road and the MOU between me and the City.
Please incorporate and distribute the MOU and my comments to the Planning Commission.
Thank you
Allan L. Davis

From: Larry Markham [mailto:lrm@markhamdmg.com]
Sent: Saturday, March 19, 2011 12:04 PM
To: adavis@retaildevelopmentadvisors.com
Subject: FW: Comments on General Plan Circ Element from 2/28 mtg with Larry Markham and Allan Davis

A2

From: Lanier, Mary (Planning) [mailto:MLanier@murrieta.org]
Sent: Saturday, March 19, 2011 10:54 AM
To: Larry Markham
Cc: Thomas, Pat (Public Works); Abeles, Lorie (Planning)
Subject: FW: Comments on General Plan Circ Element from 2/28 mtg with Larry Markham and Allan Davis

Hi Larry,

The following are some changes to the Circulation Element, based on your meeting with Pat. We can meeting a further discuss. Also, since we have some additional review time for the General Plan, I would like to meet with you, at your convenience to go over any items that you have questions or comments on. Lorie can coordinate a time. I spoke with Collette and she will be getting with you on the Airport comments.

Best regards,

A

Mary E. Lanier
Community Development Director
City of Murrieta, One Town Square
24601 Jefferson Ave
Murrieta, CA 92562
t: 951.461.6064
c: 949.701.1606

****Please note that City Hall is closed every Friday****

From: Stephenson, Brian (Public Works)
Sent: Wednesday, March 02, 2011 4:59 PM
To: Thomas, Pat (Public Works); Mackenzie, Jim (Planning); Lanier, Mary (Planning); Kinser, Cynthia (Planning); Mackenzie, Jim (Planning); Moehling, Bob (Engineering)
Subject: RE: Comments on General Plan Circ Element from 2/28 mtg with Larry Markham and Allan Davis

Attached are the revisions that were discussed at today's meeting – please review and let me know if anything was left out (also see redlines below).

Brian Stephenson, PE, TE, PTOE
Consulting Traffic Engineer
(951) 304-2489 ext. 6239

From: Thomas, Pat (Public Works)
Sent: Wednesday, March 02, 2011 7:44 AM
To: Stephenson, Brian (Public Works); Mackenzie, Jim (Planning); Lanier, Mary (Planning)
Cc: Moehling, Bob (Engineering)
Subject: Comments on General Plan Circ Element from 2/28 mtg with Larry Markham and Allan Davis

Brian/Mary/Jim,
The following are comments on the General Plan Circulation Element from our meeting with Larry Markham and Allan Davis on 2/28:

1. According to Allan, the MOU between City and Orchard includes language addressing the extension of McElwain from Linnel to Keller and this is not shown on the circ element map.
2. New circ element shows connection between I-215 and new Antelope, north of Linnel and south of Baxter. Not sure what road this is and we may want to delete this. Stepp Road – will be shown as collector.
3. Larry suggests adding existing Antelope Rd from Linnel to Keller as Industrial Collector. Antelope Road was added as industrial collector. "New Antelope" needs to be renamed ASAP.
4. New circ element shows extension of Kalmia, Ivy and Hawthorne west of Hayes Ave as collector's. We may not need to show as collector. Removed from circulation element (downgraded to residential roads).
5. Kalmia is shown as connection between Wash and Hayes. According to Larry, the ACOE Murrieta Creek project does not include a crossing as part of the ultimate creek improvements. We may want to show no connection for Kalmia, similar to Hawthorne. This connection was determined to be necessary - Kalmia to remain.
6. Suggest we show Monroe extension to No Name Street and No Name from Monroe to Madison in Circ Element (Industrial Collector). Added and shown as Industrial Collectors.
7. Suggest we show connection between Monroe and Madison at Larchmont as Industrial Collector. Added and shown as Industrial Collector.
8. Suggest we change Guava between Monroe and Madison from Major to Industrial Collector. Guava was revised to Secondary between Monroe and Madison, and between Jefferson and Adams.

A

9. Delete Hayes from Elm to south City Boundary due to RCWD ponds and delete Elm from Douglas to Hayes from circ element. Removed.
10. New circ element shows connection between Los Alamos and future Clinton Keith Rd at Menifee Rd. Not sure we want to show this connection. Removed.
11. New circ element shows Whitewood extension between MHSR and Jackson as T intersection at Jackson. May want to show Whitewood as through street and Jackson T into Whitewood. Need to look at volume on Whitewood to confirm Major Rd classification. Whitewood revised to be shown as primary roadway, with Jackson tee-ing into Whitewood. Whitewood's Major classification was verified by projected volumes.
12. New circ element shows Liberty Rd from new Clinton Keith Road to south of Los Alamos. Larry suggested adding Porth Rd from Liberty to New Clinton Keith Rd (currently Briggs Rd) as Collector. Porth was added as Collector.

~~Additional changes: Added curb to curb/right of way widths to Legend; added Industrial Collector (orange) to figure;~~ removed Los Alamos, from Ruth Ellen to City Limits as Collector, but will show as local road (thanks to Jim for the reminder)!

Should get together to discuss these suggestions and any other questions/comments on the circulation element that have come up before the PC hearing on the new General Plan? Not sure when we need any final changes made to the document. Let me know what you think and if should schedule a meeting before next Wed.

Patrick Thomas
Director of Public Works/City Engineer
City of Murrieta
1 Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

ph. 951-461-6078
fax 951-461-6034

email: pthomas@murrieta.org

QVT Mount Auburn Capital LP

1875 Century Park East, Suite 1980
Los Angeles, CA 90067
T 310-492-4042 | F 310-388-0138
www.mtauburn.net

B

CITY OF MURRIETA
MAR 21 2011
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PLANNING DEPT

March 15, 2011

Mr. Greg Smith, Associate Planner
City of Murrieta
1 Town Square
24601 Jefferson Avenue
Murrieta, California 92562

RE: City of Murrieta 2011 General Plan Update Draft EIR Public Comment

Dear Mr. Smith,

Thank you for the opportunity to comment on the City's ongoing General Plan Update. Our firm owns a 10 acre site in the Creekside Village Community near the Southeast intersection of Whitewood Road and Murrieta Hot Springs.

We are concerned about the proposed reclassification of Whitewood Road as a Secondary Highway and the associated widening and extension of it to accommodate increased traffic. An expansion of Whitewood would adversely affect our property as well as upset the residential characteristics of the Creekside Village community.

We are concerned about the Whitewood expansion for the following reasons:

- An expansion of Whitewood would upset the residential nature of the community. B1
- Goal 3 of the Circulation Element General Plan Update states that one of the goals of the General Plan Update is to provide: "Circulation systems that preserve the residential neighborhoods." Section 3.3 goes on to state as a goal: "Discourage the flow of...through traffic in residential neighborhoods." Clearly, extending Whitewood is inconsistent with this goal. B2
- While an alternative site plan in the Creekside Village Specific Plan contemplated widening and extending Whitewood, the development has been constructed in a manner that would seem to have precluded this. Specifically, the slope supporting the homes on the North side of Whitewood was constructed in the right of way that would allow for a widening of Whitewood. Destroying these homes and constructing the road as described in an alternative in the Specific Plan is obviously infeasible. Because the homes are already constructed on the North side of the road, all additional width for Whitewood would have to be taken from the South side of Whitewood, doubling the impact to our property and that of our neighbors to the West. B3

QVT Mount Auburn Capital LP

1875 Century Park East, Suite 1980
Los Angeles, CA 90067
T 310-492-4042 | F 310-388-0138
www.mtauburn.net

- The road widening would result in a significant decrease in the value of our property due to the loss of usable acreage, increased costs for relocating utilities that are already installed in the ground and the potential need to construct new detention basins. B4

- At this point, the proposed alignment has not been provided and, as far as I understand, has not been studied in detail. The true impact to our site and to the Creekside Village community should be studied in detail and weighed against any improvement in traffic circulation. We are concerned that the expansion may be approved through the General Plan Update prior to studying its alignment and a cost/benefit analysis in detail. B5

Thank you for the opportunity to comment on the General Plan Update.

Very sincerely,

Matt Livingston
For Whitewood 10 Acres, LP

C

Hello Mr. Smith,

I am a resident of the Creekside Village community located in Murrieta. I would like to make it clear that I am against the widening of Whitewood Road and upgrading it to a "Secondary Highway" as proposed in the City's General Plan Update. My family and I use the Creekside Village Greens Park, located at the end of Isaac St., on a regular basis and with the widening of this road our concern is with the safety of our children with the increased traffic. Often drivers are moving at speeds well above the posted limits, which are too fast for a residential street. Myself and other residents within the community have gone door to door to inform our neighbors of the proposed plan. Attached with this letter you will find a petition signed by several Creekside Village residents which are all opposed to the plan. C1

Our proposed solution is to simply have commuters use Margarita Rd. or the new Jackson to Ynez connection to commute into the city of Temecula. If you have any questions please feel free to contact me on my cell: (909)648-9883. I am also looking forward to voicing my opinion at the next city hall meeting on 3/23. C2

Regards,
Frank Noriega
40211 Jonah Way

CITY OF MURRIETA
MAR 24 2011
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D

To The Planning Commission

I am Harvey Baublitz. I've lived at 28745 Baxter Rd. for 26 years. I am against any proposed development in this area because of the warm spring creek tributary that flows approximately 320 feet through my property with approximately one acre detention basin that holds about 12 acre feet of water. The city of Murrieta stated there was no warm spring creek tributary through my property or in the area. The E.I.R 4.6.1 for the 1996 G.C.S.P on the natural drainage plain is false. I strongly suggest that the city of Murrieta planning department, the planning commission, and the news media that they find out that who is right and who is wrong on the natural drainage in this area, for the blue line creek and it must be preserved. I ask that the environmental determination be held up. I have more than 50 separate documents to support my statement that the 1996 G.C.S.P on the natural drainage is false and worse. I do not think the city has any documents to show that they could change the natural drainage and change the zoning from R/R 5 acre sites to mix zoning on 10/02/1996. D1

Hw Baublitz 3/9/11

E

RIVERSIDE COUNTY FLOOD CONTROL AND
WATER CONSERVATION DISTRICT
RIVERSIDE, CALIFORNIA 92502

COPY E-4 1+c
Submitted on 3/23
From Harvey Baublitz

August 5, 1981

CITY OF MURRIETA
MAR 23 2011
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PLANNING DEPT

Riverside County
Planning Commission
County Administrative Center
Riverside, California

Gentlemen: Re: Tract 17510

Reference is made to tentative Tract 17510 located between the Escondido Expressway and Menifee Road on the north side of Baxter Road in the Antelope Valley area.

Our review indicates that the topography of the land consists of well defined ridges and natural watercourses that traverse the property. The parcels are of a minimum of 5 acres in size. Although all lots have building sites outside of the natural watercourses, care should be taken in their location to prevent flood damage.

E1

Following are the District's recommendations:

1. The 100 year flood plain limits through lots 30 and 31 should be delineated on an environmental constraint sheet to accompany the final map. Calculations and the pertinent data used to determine these limits should be submitted to the District for review prior to recordation of the final map.

2. The area within the delineated flood limits should be labeled "flood plain" on the environmental constraint sheet.

3. A note should be placed on the environmental constraint sheet stating, "Flood plains must be kept free of all buildings and obstructions."

E

Riverside County
Planning Commission
Re: Tract 17510

August 5, 1981

4. The natural watercourses traversing the property should be delineated and labeled on the associated environmental constraint sheet. A note should be placed on the environmental constraint sheet stating, "Watercourses shall be kept free of all buildings and obstructions." E1

5. A note should be placed on each sheet of the final map stating, "For flood hazard information concerning this tract see the associated environmental constraint sheet on file with the Riverside County Surveyor."

6. A copy of the environmental constraint sheet and the final map should be submitted to the District for review prior to recordation.

Very truly yours,

KENNETH L. EDWARDS
Chief Engineer

Donald F. Greywood

DONALD F. GREYWOOD
Subdivision Engineer

cc: Road Dept.
Dept. of Building
& Safety

E

COPY E-5 1+2

KENNETH L. EDWARDS
CHIEF ENGINEER

1995 MARKET STREET
P. O. BOX 1033
TELEPHONE (714) 787-2015

RIVERSIDE COUNTY FLOOD CONTROL AND
WATER CONSERVATION DISTRICT

RIVERSIDE, CALIFORNIA 92502

August 4, 1986

Riverside County
Planning Department
County Administrative Center
Riverside, California

Attention: Regional Team No. 2

Ladies and Gentlemen:

Re: Tract 17510
(Revised Tentative Map)

Tentative Tract 17510 is a proposal to subdivide approximately 250 acres in the Antelope Valley area. The subject property is located east of Interstate 215, north of Baxter Road.

The general topography of the area consists of well defined ridges and natural watercourses that traverse the property. The lots are of a minimum of 5 acres in size. Although all lots have building sites outside of the natural watercourses, care should be taken in their location to prevent flood damage.

Approximately 500 acres of watershed are tributary of Lot 30. The existing watercourse at this location tends to lose definition and flood flows can be expected to spread over a wider area.

E2

The District is concerned about the development occurring in the Murrieta Creek watershed. The cumulative effect of development will cause increased storm runoff and, without adequate drainage facilities in the area, will have a significant adverse impact on downstream properties. A practical and equitable mitigating measure for such an impact is the adoption and implementation of an Area Drainage Plan for the Murrieta area. Rather than await full implementation of the Murrieta Creek Area Drainage Plan, the developer has requested that a condition of approval be added requiring a drainage mitigation payment prior to construction.

Following are the District's recommendations:

1. In accordance with the written request of the applicant to the County of Riverside, dated July 23, 1986, the final map shall not be recorded until the applicant, his successors or assigns, has executed a Special Drainage Facilities Agreement with the County. Grading and building permits shall not be issued for Tract 17510 or any unit thereof until the developer has provided evidence of compliance with the terms of the Agreement.

2. The 100 year flood plain limits through Lot 30 should be delineated on an environmental constraint sheet to accompany the final map. Calculations and the pertinent data used to determine these limits should be submitted to the District for review prior to recordation of the final map. The area within the delineated flood plain limits should be labeled "flood plain" on the environmental constraint sheet. A note should be placed on the environmental constraint sheet stating, "Flood plains must be kept free of all buildings and obstructions."

3. The natural watercourses traversing the property should be delineated and labeled on the environmental constraint sheet. A note should be placed on the environmental constraint sheet stating, "Watercourses shall be kept fr of all buildings and obstructions."

4. A drainage easement should be obtained from the affected property owners f the release of concentrated or diverted storm flows onto the adjacent property. A copy of the recorded drainage easement should be submitted to the District for review prior to the recordation of the final map.

5. The property's street and lot grading should be designed in a manner that perpetuates the existing natural drainage patterns with respect to tributa drainage area and outlet points.

6. Drainage facilities outletting sump conditions should be designed to conve the tributary 100 year storm flows. Additional emergency escape should al be provided.

7. Drainage facilities located outside of road right of way should be contair within drainage easements shown on the final map. A note should be added the final map stating, "Drainage easements shall be kept free of buildings and obstructions."

8. A copy of the environmental constraint sheet and the final map should be submitted to the District for review and approval prior to recordation of the final map.

uestions regarding this matter may be referred to Mike Call of this office at 14/787-2333.

Very truly yours,

KENNETH L. EDWARDS
Chief Engineer

JOHN H. KASHUBA
Senior Civil Engineer

c: Diversified Engineering

C:DW:pml

To: City of Murrieta, Mayor and Councilman
Attn: Mr. Rick Dudley, Murrieta City Manager
From: Harvey Baublitz 28745 Baxter Rd Murrieta ca.

" CLAIM "
CIVIL RIGHTS VIOLATION

I know this letter is not in a legal form but could be if needed. It's to show the evidences that I have.

I state that my civil right for a fare and honest investigation on the Golden City's E.I.R.-SPM-5/92/158 and the tract 28532 for G.C.S.P. on the natural drainage plan 4.6.1.

The documented evidence that I have will show are false misleading and worse.

I have tried for approximately 17 years to show the planning commission and the Murrieta City Council that there is a huge problem with the natural drainage plan 4.6.1. On there off site drainage. I gave a lot of documents and spoke at all the meeting on the Golden City's approximately 247 acre development.

E3

Some documents that I have on the approximately 247 acres G.C.S.P. of 1996.

I have parcel map 13335 dated 1/16/1980 (E-1)

SOLD

New owners of parcel map 13335 that is now tract 17510 dated 2/9/1981 (E-2)

Tract 17510 revised tentative map dated 8/4/1986 Find (E-3 thru E-5)

Riverside County Planning Commission "RE. tract 17510"

Reference is made to tentative tract 17510 dated 8/5/1981 (E-4)

Riverside County Planning Department
~~RE: tract revised tentative map (E-5)~~

Letter # 9 Harvey Baublitz dated 1993, this letter was used for the comment period and response to comments dated 3/8/1996 (E-6)

This letter to the Murrieta Mayor and the City Council dated 3/8/1996.

This letter H.B # 8 was used for the comment period and the response to comment dated 3/8/1996 (E-7)

8/13/07 letter to the City of Murrieta Mayor and council. (E-8)

17510-1 dated 7/22/1987 (E-7)
H.B # 8 dated 3/8/1996

E3

Response # 1- Comment noted for the record

Response # 2- This is the first time that 17510-1 was ever mentioned. I could never find out where it came from, but I do know it was never meant to come out. It was to be buried with 17510. I always knew since 1992 something was not right and 17510-1 was proof for 17 years of trying to get Murrieta Planning Dept. and the City Council to investigate the Golden City Development.

The 17510-1 is for 65 acres of 5 acre sites for G.C.S.P it is part of the 247 acres of the G.C.S.P of 1996 adopted by the City of Murrieta. Resolution # 95 10/2/1996 a long with zoning G.C.S.P from R/R to mix zoning 10/2/1996 (E-13) 1 thru 3

I believe the response to comments for H-B #8 ways a deliberate illegal action by the Golden City Development and the City of Murrieta Planning Dept. they knew or could have because it was there for all to see.

Living here for 25 years and trying to control a very large water flow through my property. (E-6) H-B #9. I knew there G.C.S.P and the E.I.R. for 4.6.1 natural drainage had to be wrong.

The City of Murrieta became the leading agent approximately 1991-1992 for the Golden City Development. I hear they were paid 2 million dollars up front to do the E.I.R.

I don't believe the Murrieta Planning Dept. looked very hard to find anything wrong. For the Approximately 17 years that I have been trying to have them find the truth on the G.C.S.P.

Now back to 17510-1 dated 7/22/1987 (E-7) H-B #8 response to comments #2 dated 3/8/1996 I don't know where the Murrieta Planning Dept. got their info from, but I do know why. It was for me in answer to my years of trying to find out what was going on with the G.C.S.P EIR 4.6.1. I believe someone thought that if 17510-1 ever came out all the drainage problems could be blamed on the Riverside County Planning Dept. (E-10) E3

Find letter dated 3/10/2008 to Mr. Goldmen the County of Riverside's Executive Director of the Planning Dept. (E-11)

Find fax # 951-257-0353 letter to the County of Riverside Planning Dept. Attention : James Fagelson reference to 17510 and 17510-1 (E-12) 1&2

Find letter dated 1/28/08 from Harvey Baublitz to the City of Murrieta City Manager (E-9)

Find letter dated 3/20/08 from the City of Murrieta City Manager (E-10)

I now go back to 17510-1 H-B#8 response # 2 where it states that the current ownership purchased Golden City property with the county of Riverside approved tentative parcel map 17510-1 dated 7/22/1987.

When 17510-1 came out in 3/8/1996. I knew it could not be right and I tried for years to find out. I decided to go to the County of Riverside to find out. I talked to people from different dept. and looked at their micro-fiche and found all the proof that I needed. The info I needed most was 17510-1, I have all 4 sheets.

I believe sometime between 2/9/81 and 8/4/86 the 17510 was sold to the Golden City Land Co. and they knew of its baggage on the drainage.

~~Now and then I look at the documents that I have. I was looking at 17510-1~~ sheets #1 dated December 1986. I was looking at the owner certificates and saw that the owner was Golden City Land Co. and Theodore C.C..King secretary. I know of Mr. King.

I kept thinking about response #2 on H-B #8 , what was meant by the word current owner, I believed they were the same.

When I was writing about (E-13) I saw that the applicant was Golden City LTD. Dated 10/2/1996 R.C. Kung. I thought Golden City Land Co. and Golden City LTD were the same G.C.S.P SPM-5 for 247 acres.

E3

Find (E-14) letter from Golden City to Harvey Baublitz dated 10/2/1996 from Mr. Theodore C.C. King and Mr. R.C. Kung.

I now know the meaning of the words current owner and why. I think Mr. R.C. Kung might have known about 17510 and the big problems with existing natural drainage on (find E-4 dated 8/4/1981) and (E-5 dated 8/5/1986) with this being the natural drainage for the 17510 247 acres, then where did the information come from for the existing natural drainage figure 4.6.1 and the conceptual storm drainage plan. (find E 15-A and E 15-15B)

I will try to answer that for you, I believe it all comes down to a plain case of deliberate fraud by Golden City Land and Golden City LTD. For the G.C.S.P of 1996 development for the 247 acres zoned for 5 acre sites.

I believe the fraud was against me that butts the 247 acres on Baxter Rd. that I have lived at for 25 years. The citizens of Murrieta, the County of Riverside (find E-4 and E-5) fish and game, the army core of engineers in charge of all Blue Line watercourses for the inter.

(find E-16 1 thru 11) one of them is a copy of a section from a 1953 dept. of the inter map.

I know that approximately 1986 the Golden City Land Co. bought 17510 and that they never intended to live up to the agreement on the 17510 on E-5 dated 8/4/1986 note these are the districts recommendations for 17510 (1.and 2.) I believe everyone should take a hard look at 17510, like a Judge and Jury would.

The Golden City conceptual storm drainage plan (find E-15 B) show's what they planed years ago when the Golden City Land Co. bought 17510 they knew like the people they bought 17510 from it could be very hard to develop. So I believe its here when the fraud begins to start to play out.

(find E-15A) on the existing natural drainage figure 4.6.1 compare it to E-15 B, I think you will find they look like a matched pair.
This should have been a red flag for the Murrieta Planning Dept. if they were looking for one. They could have looked at the documents that I was giving to the City of Murrieta council and the Murrieta Planning commission for years.

E3

Back to (E-6 1 thru 4) lrtells of the big problem that I have had since 1984 with the drainage from the approximately 247 acres for the Golden City property.

Response #4 figure 4.6.1 shows the existing natural drainage. This is not the natural drainage (find E-16 1 thru 11)

The response #4 has the blue line creek going to the wrong dwelling, I have all 5 sheets of the Golden City vesting tentative tract 28532 by the Haaland group Inc. dated 6/1/1999 it shows the blue line creek going to property east of me note the 6/1/1999 is approximately 3 years after the city of Murrieta adopted resolution # 95.

6

Response #4 will not have to direct the flow from the creek to the Baublitz pond by a swale (find E-16) 1 thru 11, they show that I am already on the blue line creek.

(Note response #4) 4.6.4.2. The G.C.S.P 1996 BMP'S shall incorporate into all grading and improvement plans in order to protect the pond and on all off site drainage courses from sedimentation and other pollutants from the project site this was never meant to do. As of now there are approximately 10 acres feet of mud and water in my pond.
(find E-20) that tells were the sediment is coming from. It is from the hospital site of approximately 45 acres that is setting on top of the warm spring creek that flows thru the entire approximately 45 acres
(find E-16 1 thru 11)

I do not think the BMP'S is working, I also believe H-B#8 and H-B#9 was only a big lie to cover up the true facts about 17510

E3

(find E-18) 1 &2- Page 1 tells of the meeting I had in the morning of 9/14/06 with the Murrieta City Manager and 1 councilman. Page 2 tells of the night council meeting.

(find E-19) tract No. 28532 - 1&2, this is part of the map that I have.

(note) the western part where it shows 17510-1 this I believe is very bad, because it shows how far the fraud has come.

(find E-11) to the county of Riverside planning dept. that tells all about how the City of Murrieta is using 17510-1 to blame the County of Riverside for 17510 and 17510-1.

EVIDENCE

Find the documents marked for evidence's 1 thru 20 that consists of approximately 46 separate documents.

E-1 Parcel map 13335	E-7 1 thru 6	E-12 1 & 2	E-17 1
E-2 & E- 3	E-8 1	E-13 ! thru 3	E-18 1 & 2
E-4 1&2	E-9 1 thru 3	E-14 1	E-19 1
E-5 1&2	E-10 1	E-15A 15B	E-20 1
E-6 1 thru 4	E-11 1 & 2	E-16 1 thru 11	

I believe that the city of Murrieta's attorney will find out that the city has very little evidence to deny my claim, except they always thought "might" is right and it showed for approximately 17 years of heart ache and sleepless nights.

E3

" DEMANDS "

#1 I demand (find E-18 1 & 2) that the city council immediately move to correct the illegal diversion of the Warm Spring Creek Tributary where there is now a 48 in. pipe under Baxter Rd. and make sure that the detention basin follows the BMP'S plane. The flow from the pipe has to go south by a swale to the blueline creek there is no other place for the flow from the 48 in. pipe to go. (find E-10)where the city manager states they are not able to find a blueline creek that has been diverted from it's original location, if you would have looked at any of (find E-16 1 thru 11) at figure 3 on wetlands and figure 4.9.1 on the vegetation survey you would have found what you were looking for that flows under Baxter Rd.

#2 I demand that response #4 from H-B 9 (4.6.4.2) The G.C.S.P 1996 BMP'S must be incorporated into the detention basin that is located on Baxter Rd. east of meadowlark that flows to the Baublitz pond. I know that the BMP's plan was never done because the pond now has approximately 10 acres of mud and water (find E-20).

F

M. ROBERT CARRIGAN
40360 Carrigan Road, Murrieta, CA 92562
Cell Phone No. (951) 440-3435

March 8, 2011

Mr. Greg Smith
Associate Planner
City of Murrieta
Murrieta, CA

Dear Greg,

It was a pleasure to meet with you at your office yesterday morning and I wish to thank you for your time. As a landowner in the City of Murrieta, I want to reiterate the concerns I raised at our discussion regarding my property identified as follows:

Parcel No. 949180034-2
Parcel No. 949180035-3
Parcel No. 949180036-4
Parcel No. 949180037-5

I purchased the above parcels which border at the center of Hancock Avenue over 20 years ago with the anticipation that it would be a commercial area. I invested a lot of my own time and money to have a road access to Hancock Avenue and abide by the zoning area requirement. In fact, my property driveway matches up with the driveway of the Crossroad Corporate Center where a proposed signal light will be installed.

Upon reviewing the proposed zoning changes in the designated Golden Triangle North (Central Murrieta), I strongly oppose the integration of my property as part of the Golden Triangle North (Central Murrieta) area. I want to maintain my properties' current zoning designation and remain separate and independent from the designated Golden Triangle North (Central Murrieta) zone. My property has been zoned as CC for 20 years. F1

I trust that you will thoroughly consider my concerns when you implement your zoning plans and I will be at the Planning Meeting on March 9, 2011 at 6:00 p.m.

Thank you.

Sincerely,

M. Robert Carrigan

G

P.O. Box 70, Fallbrook, CA 92088
March 9, 2011

Mr. Greg Smith, Associate Planner
Murrieta City Council
Murrieta Planning Commission
City of Murrieta

1 Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

RE: MURRIETA GENERAL PLAN: 949-200-021; 949-200-020

Dear Mr. Smith, Murrieta Council, and Murrieta Planning Commission:

As an owner of property in the City of Murrieta, within the area designated as the North Golden Triangle (15.65 acres parcel numbers 949-200-021 and 949-200-020) I would like to document my views regarding the suggested changes to land use in that area. I have spoken at city hearings and met with city officials to air my comments but feel it is also important, during the noticed public review time, to bring written comments to the city regarding my investment in the city.

G1

I moved to Murrieta in 1970, later moved away for two years, then returned in March 1974 and lived there until 2006, spending over thirty-five years as a resident of Murrieta. During that time I spent years as a community volunteer. At various times I was active in the garden club, in the art club, and in the chamber of commerce. I founded the Friends of the Murrieta Library and obtained non-profit status for that group with my efforts and my money. I spearheaded the effort to bring a public library to Murrieta with five years of work culminating in the groundbreaking at the present library site. Before cityhood I attended meetings for three years on all three committee levels of the Southwest Area Plan the County of Riverside worked on for land use, including the area now encompassed by the City of Murrieta. When that plan was complete the county refused to pursue consistency zoning changes in the area of Murrieta, citing limited personnel and the confidence in a successful pending cityhood election that would entail a change of responsibility for the area from the county to the newly elected council. I was Secretary of Murrieta Citizens for Cityhood, Inc. and one of the three designated Chief Petitioners for the cityhood proposal. Working for two years and nine months, I headed the petition drive, was the committee liaison with the feasibility consultant regarding our proposal, and was in charge of advertising and press relations for the cityhood effort. I wrote the election ballot argument and set up the election night communications with the Registrar of Voters. I co-chaired the Inauguration Day ceremonies in June of 1991, serving at the pleasure of the first council-elect.

We achieved an 82.8% YES vote on cityhood November 6, 1990. After the cityhood election the council-elect chose to throw out the Riverside plan and begin a new general plan process. The resulting plan, many dollars later, did not cover the area in the center of the city, namely the Golden Triangle, including the land I now have. An informal moratorium was thus imposed on the area through lack of action on the part of the city at that time. Not until eight years after that election was city money and a contract used to pursue specific land use support in the Golden Triangle. A specific plan was proposed concerning the property south of Murrieta Hot Springs but the area along Los Alamos Road was not included. The Golden Triangle Master Plan was finally put into place and in

G1

2006 changes were made to that plan. A council imposed moratorium affected my land for over a year. The moratorium was presumably set up to make sure land was not built on that could be planned for the extension of Monroe between Los Alamos Road and Murrieta Hot Springs. None of the three possible locations for this road extension would apply to my land but my land and other parcels in the area were affected by that moratorium. I asked the city not to affect my land with the moratorium but my pleas were met with deaf ears. The moratorium cost me dearly in high interest payments at a time when my investors were driven from my land and potential projects by the city imposed moratorium. Expensive plans with high engineering and other costs were trashed by the actions of the city.

G2

Now my land has zoning that will allow a use for which I have investor interest. I am totally against the proposed general plan before you now that results in taking away my present zoning and putting an incredible amount of land, including mine, into unneeded office commercial land uses. I am opposed to your changing my zoning that will result in my financial hardship and a totally unrealistic view of the present and near future economic conditions. I have been told that you are planning for the next thirty years and that the land may not be used for the zoning you have planned until then. Yet the last changes in 2006 only lasted for five years, with the city now saying an update is again needed now? I wonder how many of the people who formulated this present general plan proposal could have known thirty years ago just how bad the international economy would be or what Murrieta's needs would be in 2011?

G3

The city has not given enough priority to the needs of the elderly which could be helped with the status quo on the zoning on my property. The baby boomers will need congregate care, residential facilities., and convalescent services. My property is perfectly located near medical facilities and across the street from second move-up homes to facilitate the needs of the elderly. To change that zoning to add to the growing glut of vacant office buildings in the area makes no sense.

Why is the city refusing to give any priority or credence to the views of the property owners in the north Golden Triangle area? Is the city purposely attempting to purposely devalue the land we have invested in? Several people have suggested that this is what is actually behind the rezoning of this area in an obvious shunning of the views of the owners of the land. Could this be to benefit the city or to benefit friends of someone in the general plan process who hope to reap the benefit of devaluation?

In addition many of the stated goals of this proposed general plan are thwarted by the zoning changes that are not consistent with those goals. A potential project on my land with present zoning will likely result in about 100 construction jobs and also in permanent jobs for the potential uses of the property. If the present zoning is changed the city and I will both suffer financial harm. Please do not change this zoning. I continue to ask the city to take a serious look at the flaws in this proposal and to consider supporting the views of the present property owners whose plans will benefit the city. Bringing in jobs and services that support the growing medical community should be valued by the city Changing the zoning of this area in the heart of the city resulting in a blighted area is a bad idea. Please allow time to review this action before rubber stamping changes in this area that will not be beneficial.

Sincerely,

Carol Kravagna Hanson

01/04/2006 00:16 9516001999 PAGE 01

H

FAX COVER SHEET

Attn: City Clerk, Kay Vinson

Fax: 951-837-9318

Correction to my Fax #

Kay,
This fax contains Two Separate Objection Letters regarding the General Plan Update scheduled for March 9, 2011 with the Planning Commission.

Five pages total. Two pages for objections for my personal property and three pages for objections to the whole Focus Area in my neighborhood.

Please fax copies of the date and time stamped pages to:

~~928-768-1527~~

928-768-1537

Thank you Kay

Sincerely,
Nancy

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Murrieta Planning Commission
General Plan Update – Land Use Element - Mixed Use Zoning as cited in Chapter Three

Nancy Knight
41650 Knight Drive
Murrieta CA 92562

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March 7, 2011

Subject: Objection to Adoption of Zoning Changes from Mixed Use on the east side of Adams between Ivy and Hawthorne – 3 Pages

My Property is currently zoned Mixed Use and as cited in the "Murrieta General Plan Update" my property fits the description of a mix of single family residential and business use. The following Community Priority, as cited in the Land Use Element of the General Plan Update on page 3-1, relates most directly to this use of my property: "Preserve elements of Murrieta's rural heritage".

The Rural Heritage of this Focus Area dates back to the 1970s. As cited in the General Plan Update "most of the area is presently developed". I have owned my property since 1976 and have over 20 years of ongoing development with residential room additions and commercial building improvements that fits the rural heritage. H1

As cited in the General Plan Update, "past interpretations of how this designation has or should be developed" ... "has resulted in parcels with 100 percent multi-family"... Specifically the Meadowlane Condominium project disrupted and divided the rural heritage of my neighborhood. It is specifically important that preservation of the balance of properties in the area are not rezoned for more Multi-family projects. The Rural Heritage must be preserved in accordance with the Land Use Element's Community Priority.

Development of my property with a single family residence and a commercial building is exemplary of "a true mix of multiple uses on a parcel" in accordance with the preservation of the Rural Heritage of the neighborhood.

Mixed use on my parcel has a proven compatibility with the surrounding properties. Our permitted commercial use of Printing and Publishing provided jobs and service to the region. According to City Staff, there has never been a complaint filed about our commercial use.

Based on my experience with mixed use, I agree with the following statement taken from the Land Use Element: H2

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MIXED USE (Page 3-48)
"The General Plan will include provisions that will allow the development of mixed use. Mixed Use involves greater use of developments that blend residential, commercial, industrial, or civic/institutional uses. By combining complementary uses, mixed use projects bring energy and vitality to areas during both daytime and after-work hours. Mixed use areas offer the opportunity for symbiotic developments that benefit both residents and the businesses operating within them. In addition, mixed use allows the advantage of flexibility of design to take full advantage of market shifts and land use trends. The General Plan will allow both vertical and horizontal mixed use."

As cited above, and in keeping with the Community Priority of preserving the Rural Heritage of the developed area on the east side of Adams and between Ivy and Hawthorne, there is no need or rationale consistent with the General Plan to exclude these properties from mixed use.

H2

In fact, the map on page 3-39 clearly displays the inconsistency of preserving the rural heritage of the area by rezoning from Mixed Use to Office and Research Park for some properties and Multi-Family Residential for others. Rural Estates on the west side of Adams will be negatively impacted by such development. Further, the limited traffic flow on Adams Ave., which is a two lane road with multiple accidents already experienced from the Meadowlane Condominiums, is proof that the area should not be rezoned for development with high traffic.

As a research scientist by profession, this rural area is inconsistent with any viable interest in large scale development as a Research Park. As mixed use, there is however potential for small scale start up research companies without disruption of the rural heritage. As an example of this potential I offer the experience of Mr. Weeks, now deceased, who was a research scientist with a workshop on his property off of Adams at Hawthorne with successful prototype projects.

Multi-Family development is a downgrade to property values in our rural area as multi-family has been cited during public comments at General Plan Update meetings as reducing property values of surrounding properties by 16%.

However, if multi-family is still the intent for our area then Mixed Use can still accommodate this objective. In the General Plan Update: "Mixed Use Land Use Designations: This designation provides for a horizontal or vertical mix of residential and non-residential uses, and utilizes both residential density and non-residential intensity standards. Floor area ratios up to 1.0 are permitted and the base residential density is 30 units per acre. These standards are intended to be applied separately from one another. In other words, a mixed-use designation that allows a base density of 30 du/ac and an intensity of 1.0 FAR allows for

H3

development of residential units at 30 du/ac on the same site with 1.0 FAR non-residential development. There is no equivalency calculation required." Allowing this potential provides surrounding area property owners with the benefit of Public Comments and the Filing of Objections to such high density development if and when a developer demonstrates such interest with an application and sufficient property owners willing to sell collectively for such a purpose.

H3

It is discriminatory to allow the MU-3 designation only in select Focus Areas. This creates a high value for these Focus Area property owners at the expense of potential competitors. The City's participation in providing a barrier to competition that benefits a few at the expense of others is worthy of investigation with close scrutiny of the property owners in the benefited Focus Areas.

Existing single family dwellings in the Focus Area of my neighborhood in this existing mixed use zone should be allowed to be sold to future homeowners as single family residential on acreage with the potential for mixed use development. It is a devaluation to existing property owners when they are allowed to continue to live in their home but if sold their small parcel (less than two acres per parcel and some as small as half acre) will convert to use for only Office and Research Park or Multi-Family Residential. There exists no proof that any developer is interested in individual small parcels for such use.

H3

I intend to sell my property as MIXED USE. As such my residential and commercial use must remain as the current Mixed Use designation as that is the only use that preserves my existing property value and is consistent with the preservation of the Rural Heritage of the area. Furthermore, my parcel has space for future development and that development should be allowed as "permitted" under the current mixed use designation as an administrative approval process which does not require Planning Commission or Council approval. This is added value for a future owner of my property.

I respectfully request that any change in zoning from Mixed Use of properties in the Focus Area of Adams Avenue between Ivy and Hawthorne be denied/rescinded.

Development for any other use should come as a request from property owners and not from city staff.

Sincerely,
Nancy Knight Nancy Knight
951-837-1617 or 951-440-0623

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Murrieta Planning Commission
General Plan Amendment

Nancy Knight
41650 Knight Drive
Murrieta CA 92562

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March 7, 2011

Subject: Objection to Adoption of a Zoning Change for My Property – 2 Pages

My Property is currently zoned Mixed Use

My Property has already been developed as Mixed Use

I have a permitted home with permitted room additions totaling approx. 2500 sq ft. with a residential electric meter.

I have a separate permitted commercial electric meter serving a permitted 1200 sq ft detached building that is currently used in accordance with the "permitted" Printing and Publishing designation. "Permitted" designations are approved at the administrative level and not as a planning commission or council application process.

I intend to sell my property as MIXED USE. As such both my residential and commercial use must remain as the current Mixed Use designation. The residential component will lose all economically viable use as an office. The floor plan and ADA compliance issues make this structure incompatible as office space. That is a taking of over $200,000 in value at today's low price per square foot if this rezoning is approved.

H4

Furthermore, my parcel has space for future development and that development should be allowed as "permitted" under the current mixed use designation as an administrative approval process which does not require an application that is presented to the Planning Commission or Council for approval. This is an added economic value that is taken if this rezoning is approved.

The California Environmental Quality Act (CEQA) specifies that spot zoning is illegal. I consider The City of Murrieta in violation of CEQA for walking my neighborhood and Selectively Spot Zoning approximately 16 residential properties on the east side of Adams between Ivy and Hawthorne. All of these homes lose value when they cannot be sold as a residence. The majority of structures that are residences today would not qualify to be sold as office space or as mufti-family housing. The city would be liable for the taking all of these structures.

The General Plan Update and Amendments should be an opportunity for property owners to request a zoning change based on market conditions and without paying rezoning fees. It should not be an opportunity for city staff to walk neighborhoods and selectively choose properties to rezone.

Based on the minutes of meetings and streaming on the Internet I witnessed that only one of my neighbors asked for a zoning change and that was Mr. Weeks who preferred mixed use but was convinced staff had the power to rezone his property without his consent and therefore recommended multi-family zoning because he thinks a developer will make an offer that will allow him to move his family out of the area. A review of his comments in the streaming video you provided on the internet is proof that this was a draconian effort at the expense of the estates on the west side of Adams. Mr. Hennicke did not want a change from mixed use. I submitted letters to staff objecting to a zoning change for my property. Mrs. Kahler, currently has two rental units on Knight Drive, one is a garage conversion to an apartment attached to a single family home. This property qualifies as multi-family housing but was selectively chosen to lose value with an office and research park zoning. Mrs. Kahler, who now lives in Arkansas, was never notified that her property was being rezoned to office. In fact, the city does not even have the General Plan Update on the city's website at www.murrieta.org making knowledge of what has happened very difficult for property owners to search for information. It is only available at an obscure website that no one can find easily at www.murrietaplan.info

H4

Phone calls to other neighbors resulted in the same response. They have no idea that this is happening. You see, no one expects this process to be conducted based on staff's whim and to even be considered for developed property. We expect that property owners have an opportunity for zoning change requests as a General Plan Amendment but when they are happy with their zoning there is no need to show up at meetings.

I respectfully request that any rezoning of my property from Mixed Use be denied.

Development for any other use should come as a request from property owners and not from city staff.

Rescind the City of Murrieta Planning staff's rezoning recommendation of my property. I object to any rezoning in my neighborhood that does not go through the formal process of Notification to all property owners within a 300 foot radius before approval is granted.

Sincerely,
Nancy Knight
Nancy Knight
951-837-1617 or 951-440-0623

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Murrieta Planning Commission
General Plan Amendment

Nancy Knight
41650 Knight Drive
Murrieta CA 92562

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March 4, 2011

Subject: Objection to Adoption of a Zoning Change for My Property – 2 Pages

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My Property has already been developed as Mixed Use

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I have a separate permitted commercial electric meter serving a permitted 1200 sq ft detached building that is currently used in accordance with the "permitted" Printing and Publishing designation. "Permitted" designations are approved at the administrative level and not as a planning commission or council application process.

H5

I intend to sell my property as MIXED USE. As such my residential and commercial use must remain as the current Mixed Use designation. Furthermore, my parcel has space for future development and that development should be allowed as "permitted" under the current mixed use designation as an administrative approval process which does not require Planning Commission or Council approval.

The California Environmental Quality Act (CEQA) specifies that spot zoning is illegal. I consider The City of Murrieta in violation of CEQA for walking my neighborhood and Selectively Spot Zoning approximately 16 properties on the east side of Adams between Ivy and Hawthorne.

The General Plan Update and Amendments should be an opportunity for property owners to request a zoning change based on market conditions and without paying rezoning fees. It should not be an opportunity for city staff to walk neighborhoods and selectively choose properties to rezone.

Based on the minutes of meetings and streaming on the internet I witnessed that only one of my neighbors asked for a zoning change and that was Mr. Weeks who preferred mixed use but was convinced staff had the power to

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rezone his property without his consent and therefore recommended multi-family zoning to preserve his property value. Mr. Hennicke did not want change from mixed use. I submitted letters to staff objecting to a zoning change for my property. Carmella Loelkes, a real estate broker, does not own property in my neighborhood. Her input at the meeting should be restricted to her own property.

Mrs. Kahler, who currently has two rental units on Knight Drive, one rented as a real estate office and the other as a home until last month, has written to me that multi-family would be her preferred choice however since she never received a letter notifying her of a zoning change for her property she did not provide input and does not even know what the recommended rezoning is for her property.

H6

Phone calls to other neighbors resulted in the same response. They have no idea that this is happening. You see, no one expects this process to be conducted based on staff's whim. We expect that property owners have an opportunity for zoning change requests as a General Plan Amendment but when they are happy with their zoning there is no need to show up at meetings.

I respectfully request that any rezoning of my property from Mixed Use be denied.

Development for any other use should come as a request from property owners and not from city staff.

Rescind the City of Murrieta Planning staff's rezoning recommendation of my property. I object to any rezoning in my neighborhood that does not go through the formal process of Notification to all property owners within a 300 foot radius before approval is granted.

Sincerely,
Nancy Knight

951-837-1617
951-440-0623

I

From: Lanier, Mary (Planning)
Sent: Tuesday, March 08, 2011 3:59 PM
To: Smith, Greg (Planning); 'Collette Morse'
Subject: FW: Compromise for Consideration

FYI

-----Original Message-----
From: nancy@thebugle.com [mailto:nancy@thebugle.com]
Sent: Tuesday, March 08, 2011 3:06 PM
To: PlanningCommission
Cc: Lanier, Mary (Planning)
Subject: Compromise for Consideration

Dear Planning Commissioners,
I have been in contact with several of my neighbors since submitting my letters of Objections for a change from Mixed Use for properties in my Focus
Area (east side of Adams Ave. between Ivy and Hawthorne).
Some say the Council denies asking that all Mixed Use be eliminated while Staff says it is the direction that the council dictated to them. I do not
know the truth however there is a compromise that may be acceptable to all
concerned.

Assuming the Planning Commission agrees with staff that Mixed Use must be eliminated then I would agree that Multi-family would be appropriate for the
area currently designated Office and Research Park and Office and Research
Park be appropriate for the area currently designated for Multi-family. A flip
of the purple and brown areas in the map on page 3-39 of the General Plan Update.

I1

The Rationale:
Multi-family acreage closer to Ivy has less detrimental impact for properties
on the west side of Adams.
There are fewer traffic issues within the quarter mile from the Adams Ave. and
Ivy intersection.
Road closures on Guava, due to flooding, is avoided as an impact to traffic
for high density housing on the southern end of Adams.
Office and Research Park could be an enhancement for the esthetic value of the
estates on the west side of Adams.
Office and Research Park is a close fit for the long time International Immunology business at Brown and Adams.
Office and Research Park would blend well with the Business Park designation
of the Renon property.

I

Looking forward to your thoughtful consideration, Nancy Knight

J

From: Abeles, Lorie (Planning)
Sent: Tuesday, March 08, 2011 4:41 PM
To: Smith, Greg (Planning); Abeles, Lorie (Planning); Anthony Casadonte (anthony.casadonte@av.abbott.com); Anthony Casadonte (ctonyusa@yahoo.com); GGoodman06@aol.com; Harley Cohen (harley.cohen@verizon.net); Harley Cohen (office); Jeff Kirshberg (jkirshberg@iecorporation.com); Kinser, Cynthia (Planning); Lanier, Mary (Planning); 'Thomas Butler (tmbmurrieta@verizon.net)'; thomas.butler@libertymutual.com
Subject: General Plan Amendment Objection

Another comment letter.

Lorie Abeles
Secretary,
Community Development Dept.
City of Murrieta
Phone: 951-461-6060

From: karl hennicke [mailto:karlhennicke@gmail.com]
Sent: Tuesday, March 08, 2011 4:36 PM
To: PlanningCommission
Subject: General Plan Amendment Objection

KARL and TERI HENNICKE
41645 Knight Drive
Murrieta, CA 92562

March 7, 2011

Murrieta Planning Commission
General Plan Amendment

RE: Objection to Adoption of a Zoning Change for My Property

Our property is currently zoned Mixed Use. I have a permitted home totaling approx. 2250 sq. feet with a residential electric meter.

J1

We purchased our property because it was Mixed Use and plan to use it as Mixed Use. The residential component will loose all economically viable use as an office and we will loose out on commercial development. The floor plan and ADA compliance issues make this structure incompatible as office space. That is a taking of over $210,000.00 in value at today's low price per square foot if this rezoning is approved. That is unacceptable.

Additionally, our property has space for future development and that development should be allowed as "permitted" under the current mixed use designation as an administrative approval process which does

J

not require an application that is presented to the Planning Commission or Council for approval. This is also an added economic value that is taken if this rezoning is approved.

The California Environmental Quality Act (CEQA) specifies that spot zoning is illegal. We consider the City of Murrieta in violation of CEQA for walking our neighborhood and selectively spot zoning approximately 16 residential properties on the east side of Adams between Ivy and Hawthorne. All of these homes will lose value when they cannot be sold as a residence. The majority of structures that are residences today would not qualify to be sold as office space or as multi-family housing. The city would be liable for a taking all of these structures.

The General Plan Update and Amendments should be an opportunity for property owners to request a zoning change based on market conditions and without paying rezoning fees. It should not be an opportunity for city staff to walk neighborhoods and selectively choose properties to rezone.

Based on the work shops, minutes of meetings and video streaming on the Internet, we witnessed that only one of our neighbors asked for a zoning change and that was Mr. Weeks. Mr. Weeks preferred mixed use but was convinced city staff had the power to rezone his property without his consent and therefore recommended multi-family zoning because he thinks a developer will make an offer that will allow him to move his family out of the area.

J1

I attended two workshops that were held on this issue and the maps that were handed out were not correct in showing the current zoning and what was purposed.. At these workshops, the staff did not accurately relay the information, feedback or comments because the majority of the property owners did not want the change suggested by the City - we wanted our property to remain the same, Mixed Use. The staff asked us to write down what zoning we would like and some alternates. I saw all of the suggestions for our area and none were office and research park.The Staff repeatedly said that the City Council directed them to get rid of all MU3. I contacted the City Council members and they deny this. Someone there is not up front and we do not appreciate the dishonesty. We, and the other property owners, are going to be affected by the loss in value and the marketability of our property if you make this change. This is a blatant violation of our rights as property owners. I spoke against rezoning my property as well as in writing. I submitted my objections to rezoning my property. I wanted my property to remain Mixed Use. I was signed up for email notification as well as a mailing and we were not notified of the zoning change to office and research park zoning.

The City of Murrieta website does not even have the General Plan Update or it's website posted on the home page. Why are you hiding this process? Why is this update not in a noticeable area on the website? This is not right, it is shady and it is not above board. Those responsible are making this very difficult for us and the other property owners to search for any information or to be part of the process.

We respectfully request that any rezoning of our property from Mixed Use be denied.

Please rescind the City of Murrieta Planning staff's rezoning recommendation of our property. We object to any rezoning in our neighborhood that does not go through the formal process of Notification to all property owners within a 300 foot radius before approval is granted.

Additionally if any office research park rezoning is to be considered it should be at the south end of Adams and Guava by the research labs.

Sincerely,

Karl and Teri Hennicke

J

(909)721-5955
karlhennicke@gmail.com

K

March 22, 2011

TO: Murrieta Planning Commission
RE: Environmental Impact Report, February 2011
Referencing Project Description

Goal LU-19.

LU-19.1 thru LU-19.3 place the input for this Specific Plan solely in the hands of "locals", particularly property owners. Though some Murrietans would like to believe they live on an island separate from others, their actions nonetheless impact the area around them – people, wildlife, water, air, and other resources. Nor will they be allowed to do as they please, because other interests will also have to influence their decisions. The General Plan needs a Policy **LU –19.4**, which addresses **larger environmental issues** and **input from appropriate governmental and other agencies.** K1

Goal LU-21.

This goal speaks of **"land use transitions between rural land uses west of Warm Springs Creek and more intense land uses east of Warm Springs Creek".** This area is in designated MSHCP area, and besides Warm Springs riparian corridor, has habitat that provides a home and forage for a number of species, of which the endangered Quino Checkerspot Butterfly is one. The fringe along Winchester Road, developed as light commercial, can act as a buffer for that land. The land itself should not be developed. K2

This goal, as stated, is a wide-open door, inappropriate even at the level of a General Plan.

Sincerely yours,

Robert D. Wheeler, Ph.D.
Environmental and Resource Economics specialization.
29071 Calle del Buho, Murrieta 92563-5661
robertdwheeler@verizon.net

L

Citizens for Quality Life in Murrieta
35510 Los Alamos Rd. Murrieta, CA 92563
(951) 505-7428 www.CQLM.net

CITY OF MURRIETA
FEB 24 2011
RECEIVED
CITY MANAGER'S OFFICE

uary 23, 2011

Subject: Western Riverside Multi-Species Habitat Conservation Plan – MSHCP

CQLM has compiled this information to help you on your path of understanding the MSHCP. MSHCP was designed as an EXPERIMENT. The MSHCP "imposes a regulatory expansion of jurisdiction otherwise NOT authorized by federal and state law" (see Jackson, DeMarco & Peckenpaugh comments page 3,II).
These few documents, about a 30 minute read, have been highlighted to assist your comprehension and give you a deeper, understanding of the questionable foundation of MSHCP.

1) Jackson DeMarco & Peckenpaugh "Comments on the Preliminary Administrative Draft Multi-species Habitat Conservation Plan and Administrative Draft Implementation Agreement". Dated March 20, 2002. The Draft MSHCP documents referenced were adopted without ANY significant modifications. Ms. Staples, the author, secured exemption for the Farm Bureau from MSHCP.
2) Endangered Species Bulletin July/August 2000 Volume XXV No. 4 "Multi-species HPs: ***Experiments*** with the Ecosystem Approach". This approach identifies land, <u>without</u> any critical habitat with the purpose of INTRODUCING species into the area to see if they adapt.
3) Scientific Review Panel, Center for Biology, University of CA, and Riverside 2/13/1999 wrote this article with concerns about the validity of experimental habitat. The County of Riverside provides grants to UCR and hires UCR biologists for MSHCP studies. It appears their opinion has changed after this 1999 report. Is it because they receive grants from the County? UCR cannot be "independent".
4) Resolution No. 03-1246 adopted by the City of Murrieta along with the other 15 local cities Sept. 16, 2003. See Section IV D-EXEMPTIONS
5) Ordinance NO. 289-03 adopted by the City of Murrieta along with the other 15 local cities, October 7, 2003 for implementation.
6) Model Conservation Easement provided by the RCA. See highlights and margin notes of the obligations on the donor in perpetuity.
7) "Summary of a Proposed Implementation Strategy for the Western Riverside MSHCP" June 1, 2000 Draft and adopted. See pg. 18- Safety Nets, the LAST resort, is to offer "just compensation" contrary to the obligation agreed to by the city members, in item 3 above.

L1

How can the city maneuver through all of this and maintain its ability to protect its citizens as well as the city? CQLM cannot urge you enough to incorporate in this General Plan, some goals and policies written by an expert MSHCP attorney. This will be so cost effective in the long run!

Very truly yours,

Max

Max Miller- Chairman
Mike O'Donnell- Co-Chairman
Gayle Vergara- Secretary
Shawn Horwitz- Recording Treasurer
MaryAnn Miller- Reporting Treasurer

/

M1

Murrieta City Council
Murrieta Planning Commission
Mr. Greg Smith, Associate Planner
City of Murrieta
24601 Jefferson Ave.
Murrieta, CA 92562

Date: March 11, 2011

Re: Los Alamos Hills Specific Plan Area and the Western Riverside Multi-Species Habitat Plan (MSHCP)

This letter serves as my formal request that the City agree that the current number of acres held for conservation within the Los Alamos Hills Community Specific Plan area is sufficient to satisfy the MSHCP requirements for conservation in this area.

It is my vision to maintain, improve and develop the remaining properties within the Los Alamos Hills Specific Plan area. The development of these remaining properties is vital in providing a sustainable and viable community.

Any further Regional Conservation Authority implementation of the MSHCP or city imposed MSHCP restrictions on development, allowed by the zoning in this rural enclave, in the Los Alamos Hills Specific Plan Area, will have a significant impact and result in the destruction of an existing community. This destruction will cause financial devastation and an unfair emotional burden on individual private property owners currently living in the Los Alamos Hills Specific Plan area.

Signed Diana Fivecoats
Address 28150 Celia Road
Address Murrieta Cal. 92563

CITY OF MURRIETA
MAR 14 2011
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M2

Mr. Greg Smith, Associate Planner
City of Murrieta
24601 Jefferson Ave.,
Murrieta, CA 92562

Date: March 11, 2011

Re: Los Alamos Hills Specific Plan Area Boundary

This letter serves as my formal request that The Los Alamos Hills Specific Plan area boundary be INCLUDED in this Murrieta General Plan 2035 prior to adoption. The boundary was presented to the city with the Los Alamos Hills General Plan Goals and Policies for the Los Alamos Hills Specific Plan 12/29/2010.

The Los Alamos Hills Specific Plan shall include the commercial and business park on the east end of the Los Alamos Hills Specific Plan area and fronts on Winchester Road east of Warm Springs Creek within the boundary of the Los Alamos Hills Specific Plan to provide a **sustainable and viable community**.

The city MUST include the Los Alamos Hills Specific Plan boundary to accurately compute the projected housing density in the Los Alamos Specific Plan area. A TBD or To Be Described area as shown in Table 3-15 page 3-18 of the General Plan Draft is not adequate for a future growth density calculation.

The Environmental Impact Report (EIR) evaluations and conclusions cannot be accurately studied and reviewed without the boundary of the Specific Plan area being included. The Los Alamos Hills Specific Plan will "tier" off the Environmental Impact Report as submitted with the Murrieta General Plan 2035. without stating the area's boundary the impact to the Los Alamos Hills Specific Plan Area is inaccurate regarding **all** of the following elements:

A) Vision
B) Land Use Element
C) Economic Development Element
D) Circulation Element
E) Infrastructure Element
F) Healthy Community Element
G) Conservation Element
H) Recreation and Open Space Element
I) Air Quality Element
J) Noise Element
I) Safety Element
J) Housing Element

Signed Diana [illegible]
Address 28150 Celia Road
Address Murrieta, CA 92563

CITY OF MURRIETA
MAR 14 2011
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PLANNING DEPT

APR-21-2011 01:11P FROM: TO:6983416 P.1

N

Attn. MARY Lanier

City OF Murrieta Planning Director

~~14 Pages~~ to Follow

N

Clay Borel
36371 ~~36505~~ Briggs Road
Murrieta, CA 92563

CITY OF MURRIETA
APR 21 2011
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April 18, 2011

Mary Lanier
~~**City of Murrieta Planning Director**~~
1 Town Square
Murrieta, CA 92562

RE: APN #'s 963060031, 963070001 and 963070034 /General Plan Update

Dear: Ms Lanier

I am writing to ask that the City of Murrieta please consider changing the future zoning of my family's properties in the General Plan Update.

It appears the city has put portions of my family's properties in a Specific Plan where there are not property lines to divide the land. This would make the property virtually impossible to sell to a developer that didn't want to be part of two separate developments. This appears to be an attempt to divide our land by the water course rather than by the legal parcel.

Currently the General Plan Update calls that APN # 963070034 become as "Business Park," while portions of APN #'s 963060031 and 96307000 are in the same "Business Park," as well as in the Los Alamos Hills Specific Plan, at the same time. Please see attached maps.

N1

Currently APN # 963070034 fronts North Hwy 79 between future French Valley Parkway and Clinton Keith, while both a public park, as well as open space border our land to the West. The Borel Airpark Center properties are directly to our East and the French Valley Airport is less than a mile to our South.

As life time residents and owners of this land, over a 100 yrs, we have a unique attachment and are habituated to the land. While many other of your residents are comfortable living on smaller pieces of land, we could not retain living on only one piece, while watching either of the other two pieces be developed. I guess what I'm trying to explain, is that if one piece is sold, there will not be a reason for us to retain the others, as our emotionally necessary amount of "habitat" (buffer from urbanization) will be no longer be available to live on.

As a smart growth advocate I believe there is a better use for my family's land than what is currently being tabled in the current General Plan Update.

We would like the current future use to include high density housing, so that the new trend in industrial businesses, including housing for their employees, could have the availability to apply it to our land. We would like to see this mixed use available on both APN #'s 963070001 and 963070034.

I have seen Abbot Vascular grow in Temecula, and noticed how their business now abuts apartments and condominiums, making it easier for employees to live near their work place. Abbot Vascular also has a business less than a mile to our East in the Borel Airpark Center. While I do not know of any current plan for Abbott to expand, I do believe their offices in Temecula give a primary example of how it could be designed to work for future company in our area.

N2

Borel Airpark Center, at one time was being considered for sunset, however it has be extended into perpetuity. A few years ago, Ashley Jones of the City of Murrieta, had our family sign paperwork allowing Import and Export on our land and have since realized how assembly of products for export, if even within the country such as medical items, often require several employees.

Future development on our property could help fulfill the intent of the French Valley Airport, as it was to provide for the neighboring communities commercial and industrial needs, as per its original development.

I believe our property would be a great location for this sort of smart growth.

Thank you for considering the change, and please take note to the burden the city could be placing on our selling the land by requiring our land to be in two separate Specific Plans without legal delineation.

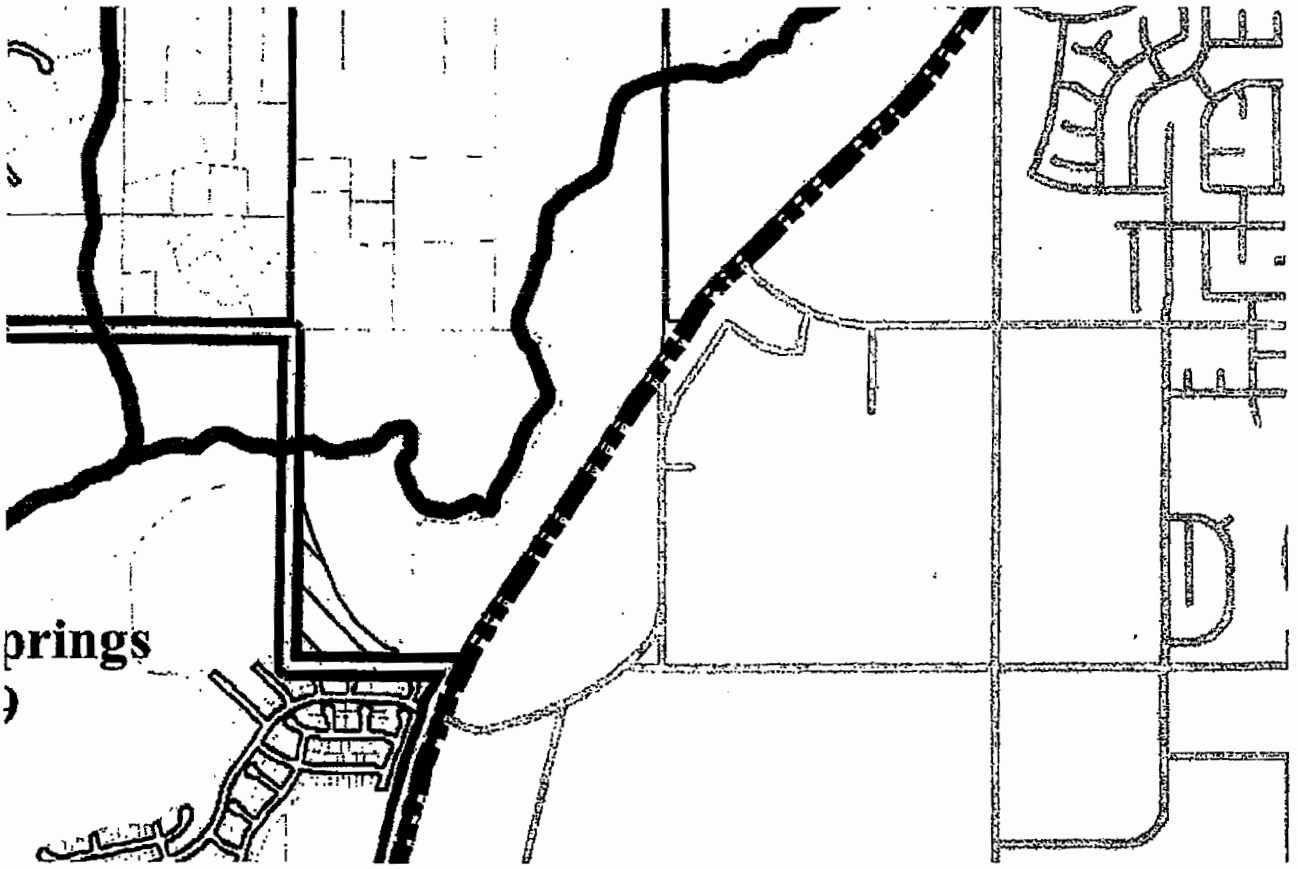
Sincerely,

Clay Borel

Clay Borel

CC:
Mayor Randon Lane
Mayor Pro-tem Douglas McAllister
Councilmember Rick Gibbs
Councilmember Allan Long
Councilmember Kelly Bennett

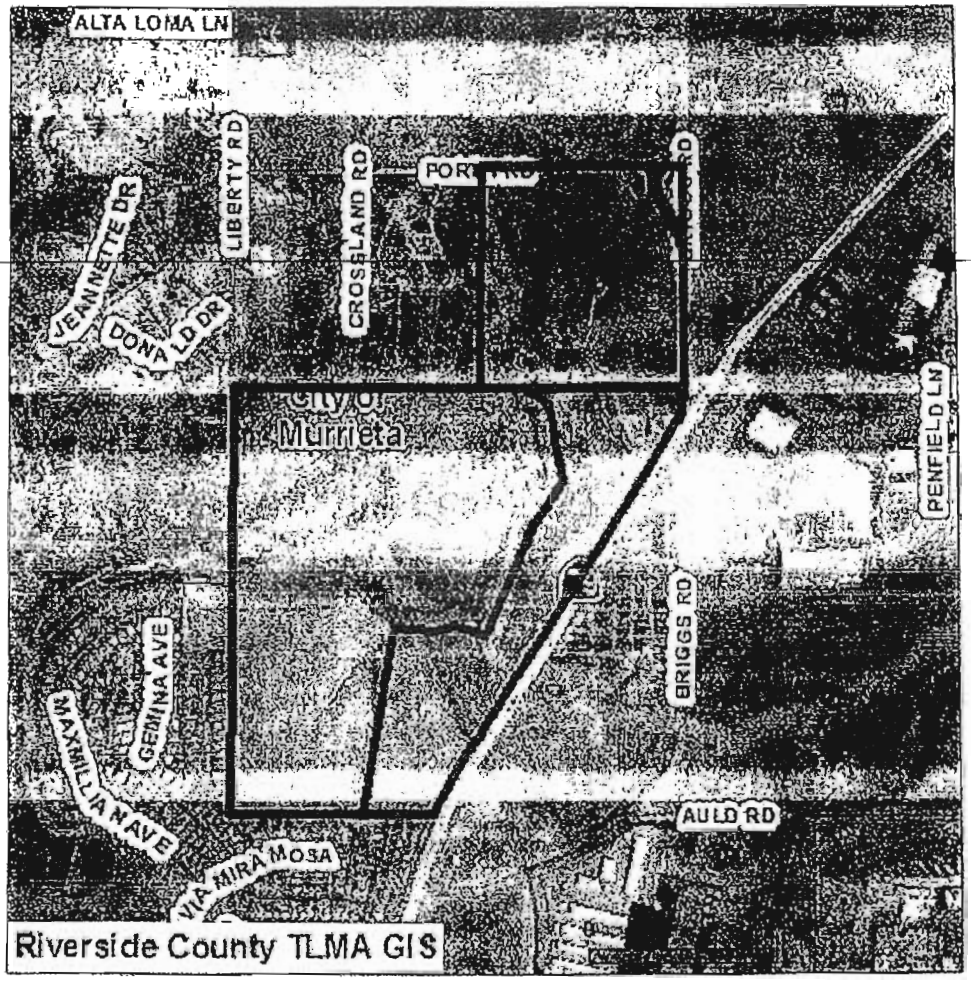
N



From your General Plan

N

Borel Property



Selected parcel(s):
963-060-031 963-070-001 963-070-034

"IMPORTANT"
Maps and data are to be used for reference purposes only. Map features are approximate, and are not necessarily accurate to surveying or engineering standards. The County of Riverside makes no warranty or guarantee as to the content (the source is often third party), accuracy, timeliness, or completeness of any of the data provided, and assumes no legal responsibility for the information contained on this map. Any use of this product with respect to accuracy and precision shall be the sole responsibility of the user.

REPORT PRINTED ON...Wed Apr 20 20:26:10 2011
Version 101221

APN #'s 963060031, 963070001 and 963070034

May 6, 2011
Ms. Mary Lanier
Planning Director
City of Murrietta
Sent via email
MLanier@murrieta.org

RE: GENERAL PLAN AMENDMENT MURRIETA VILLAS

Dear Ms. Lanier:

As the City is again embarking on a comprehensive General Plan Amendment, we took the opportunity to review the proposed revisions to the Elements of the General Plan.

We noticed in our review that the newly proposed Open Space Element is reconfirming the designation of the Murrieta Villas property from Creek Corridor in the 1994 General Plan to Open Space which occurred in the 1997 and 2006 General Plan Amendments.

In the current General Plan "Creek Corridors" are defined as:

01

- *"The General Plan Area includes Murrieta Creek and Warm Springs Creek. Both Creeks have the potential to provide recreational trail and open space usage. The two creeks are identified in Figure V-1. Special design and improvement plans should be prepared for each creek. Multi-use trails are expected to be included in the plans for each creek. Also, because both creeks extend beyond the Plan Area, the City of Murrieta must coordinate their efforts with regional agencies and interest groups."*

In the proposed General Plan, the Murrieta Villas property is again clearly designated a green color and called out as Open Space on Exhibit 9-2.

For the record, the owners of the Murrieta Villas property do not support the designation of their property to open space.

For our clarification, is the Murrieta Villas parcel the only privately owned parcel being designated open space in this proposed General Plan Amendment?

Sapetto Group, Inc. 231 East Memory Lane • Santa Ana, California 92705 • (949) 252-0841 • Fax (949) 252-0842 • www.sapettogroup.com

Ms. Mary Lanier
Planning Director
City of Murrieta
May 6, 2011
Page 2

01 We feel it is important to convey to the City that the Open Space Designation of the Murrieta Villas ~~property is not appropriate for the former airport landing strip which can be developed and~~ appropriately accommodate the City's vision for a Creek Corridor.

Sincerely,

Pamela Sapetto
Principal
Sapetto Group, Inc
psapetto@sapettogroup.com

cc: Mr. Jim Holston
Mr. Edward Park
Mr. Elliot Joelson

P1

Board of Directors
W. Ben Wicke, President
Harvey R. Ryan, Vice President
Phil Williams, Treasurer
Judy Guglielmana, Director
Andy Morris, Director

Elsinore Valley Municipal Water District

Our Mission...
EVMWD will provide reliable, cost-effective, high quality water and wastewater services that are dedicated to the people we serve.

General Manager
Ronald E. Young
District Secretary
Terese Quintanar
Legal Counsel
Best Best & Krieger

January 25, 2011

CITY OF MURRIETA
FEB 01 2011
RECEIVED
CITY MANAGER'S OFFICE

Mary
handle
Rick

Rick Dudley, City Manager
City of Murrieta
26442 Beckman Court
Murrieta, CA 92562

Subject: Urban Water Management Plan Update Notification and Request for Information

Dear Mr. Dudley:

The State of California requires urban water purveyors to update their Urban Water Management Plans (UWMP) every five years. As the water purveyor for much of the Elsinore Valley, the Elsinore Valley Municipal Water District (EVMWD) is updating its UWMP. The previous UWMP was prepared in 2005 and was based on growth projections developed at that time. Since then, growth in the Valley has been substantial. Consequently, the updated UWMP will reflect the current growth trends and will identify water supplies needed to meet future growth.

EVMWD requests a copy of any recent updates of your General Plan. If possible, please forward the requested information by February 28, 2011 to the attention of Senior Engineer, Dr. Sudhir Mohleji. We will be forwarding you a copy of the 2010 Draft UWMP document in April or May 2011 for your input on the contents of this plan. EVMWD will be evaluating and addressing its water conservation and recycled water programs in the Draft UWMP and would appreciate your input on how to better utilize this critical resource.

If you have any questions or comments, please contact Sudhir Mohleji at 951-674-3146, extension 8347.

Sincerely,

Paul S. Carver

Paul S. Carver, P.E.
Director of Engineering

CC: Sudhir Mohleji, EVMWD
Julius Ma, EVMWD
Matt Huang, MWH
Ganesh Krishnamurthy, MWH

F:\ENGIN\3_District Projects\Urban Water Management Plan (2010) - 75802\Letters\01-31-11 UWMP Request for Information-Rick Dudley-City of Murrieta.doc

951.674.3146
Fax 951.674.9872
www.evmwd.com

31315 Chaney Street
P.O. Box 3000
Lake Elsinore, CA 92530

P2

EASTERN MUNICIPAL WATER DISTRICT
SINCE 1950

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General Manager
Anthony J. Pack

Director of The Metropolitan Water District of So. Calif.
Randy A. Record

Legal Counsel
Redwine and Sherrill

March 30, 2011

Mary Lanier
Director of Planning/Community Dev. Director
City of Murrieta
26442 Beckman Ct.
Murrieta, CA 92562

SUBJECT: Urban Water Management Plan

Dear Mary Lanier,

The Urban Water Management Planning Act (Act) requires urban water suppliers providing water to 3,000 or more customers, or providing over 3,000 acre-feet per year of water, to prepare an Urban Water Management Plan (UWMP). These plans are prepared every five years and are submitted to California Department of Water Resources (DWR). UWMP's are required for an agency to be eligible to receive grant funding, and provide the basis for water supply assessments and verifications. The 2010 UWMP's for retail water purveyors are due by July 1, 2011.

Eastern Municipal Water District (EMWD) is in the process of preparing its 2010 UWMP. Over the next several months, EMWD will be documenting its projections on how to provide reliable, quality water supply to its retail and wholesale customers. EMWD's UWMP will discuss the sources of available water and the demand for water in its service area.

The draft of the EMWD 2010 UWMP is scheduled to be available in early May 2011 for public review, with EMWD Board of Directors adoption planned in June of 2011. Input and comments on the 2010 UWMP will be accepted any time prior to or at the public hearing that will be scheduled in June of 2011. If you have any questions or concerns, please contact Elizabeth Lovsted at 951-928-3777 Ext. 4307 or by e-mail at lovstede@emwd.org.

Sincerely

Anthony J. Pack
General Manager

AJP:EL:tm

CITY OF MURRIETA
APR 07 2011
RECEIVED
PLANNING DEPT

Mailing Address: Post Office Box 8300 Perris, CA 92572-8300 Telephone: (951) 928-3777 Fax: (951) 928-6177
Location: 2270 Trumble Road Perris, CA 92570 Internet : www.emwd.org

P3

Rancho Water

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Director of Planning

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Chief Engineer

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James B. Gilpin
Best Best & Krieger LLP
General Counsel

April 4, 2011

Rick Dudley
City Manager
City of Murrieta
1 Town Square
24601 Jefferson Ave.
Murrieta, California 92562

SUBJECT: 2010 URBAN WATER MANAGEMENT PLAN UPDATE

Dear Mr. Dudley:

The Rancho California Water District (RCWD/District) is in the process of reviewing its 2005 Urban Water Management Plan (UWMP) and will consider if changes or amendments are needed in the preparation of its 2010 UWMP Update. The District is documenting its sources of available water, system demands and water use baseline and targets for 2015 and 2020, water reliability, water shortage contingency planning, water quality, and demand management measures.

The Urban Water Management Planning Act requires urban water suppliers providing water to more than 3,000 customers, or providing more than 3,000 acre-feet of water annually, to prepare and adopt an UWMP every five years in December in years ending in five and zero. However, because of recent changes in State law the due date was extended to July 1, 2011.

The RCWD Draft 2010 UWMP is anticipated to be available in May 2011 for review, with RCWD Board of Directors adoption planned in June 2011. If you have any questions or concerns, place contact Denise Landstedt, Water Resources Planner, at (951) 296-6916 or by email at landstedtd@ranchowater.com.

Sincerely,

RANCHO CALIFORNIA WATER DISTRICT

Perry R. Louck
Director of Planning

Enclosure

C: Pat Thomas, Director of Public Works
Mary Lanier, Director of Planning

CITY OF MURRIETA
APR 07 2011
RECEIVED
PLANNING DEPT

Rancho California Water District
42135 Winchester Road • Post Office Box 9017 • Temecula, California 92589-9017 • (951) 296-6900 • FAX (951) 296-6860

Q

The Sauls Company

March 11, 2011

Mr. Jim Kelly
President
Emerald Venture Group, Inc.
10650 Treena Street, Suite 111
San Diego, CA 92131

Re: Conceptual Reserve Design use in City of Murrieta General Plan

Dear Jim,

I observed that the City of Murrieta is using the US Fish and Wildlife Service Conceptual Reserve Design (CRD) for their General Plan illustration. For several reasons described in this letter, the City of Murrieta should consider discontinuing its use in the General Plan.

For clarification, the MSHCP describes the CRD as:

> "As described in *Section 3.2.1* of this document, the Conceptual Reserve Design is intended to describe one way in which the MSHCP Conservation Area could be configured consistent with MSHCP Criteria; it does not represent the only possible reserve that could be assembled consistent with the MSHCP Criteria. Flexibility is intended to be incorporated in the Reserve Assembly process to enable new information and data to be incorporated as part of the longterm MSHCP implementation process."

Q1

As stated above, the CRD is <u>one way</u> to interpret the MSHCP Criteria.

Use of the CRD does not provide for use of the flexibility as intended in the plan. The MSHCP is criteria based plan allowing for different interpretations. For example, new information is intended in interpreting the Criteria and accomplishing the Reserve Assembly. New information is important in this process. This is explained more clearly in the plan's Section 2.1.1 description of the Vegetation Map which states:

> "The MSHCP incorporates features to update the vegetation map as new information is obtained, such as the development of a new vegetation map as part of the MSHCP Monitoring Program. The timing and methodology for developing this map is described in *Section 5.3* of this document. This approach is compatible with the criteria based format of the MSHCP which calls for assembly of 153,000 acres of Additional Reserve Lands from within an approximate 300,000-acre Criteria Area. Reserve Assembly will involve review of a variety of project-specific vegetation data to refine and guide the Reserve Assembly process. This criteria-based format differs somewhat from large-scale NCCPs/HCPs for which a specific reserve boundary is delineated on a map at the time of permit issuance. Under that type of approach, validation of the vegetation map at the landscape level may be more important than under the criteria-based approach selected for this MSHCP. The organizational structure established for the MSHCP, as

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described in *Section 6.6* of this document, also provides opportunities to incorporate new information during the term of the MSHCP Permit."

The CRD is one interpretation, and is a static map, based upon information available before the plan was permitted. The intent of the plan is to use new information during the term of the MSHCP

It is the MSCHP Cell Criteria applied to the MSHCP Conservation Area that is the appropriate approach to defining the conservation requirements for the MSHCP Reserve Assembly. As described in Section 3.1.10 below, the precise configuration for new Conservation within the Criteria Area has not been defined or mapped and the CRP was developed for analysis purposes.

"~~The description and analysis of the MSHCP Conservation Area have two primary purposes: (1) to~~ provide a complete enough description of the Conservation anticipated under the MSHCP such that Reserve Assembly can be adequately measured and monitored over the long-term MSHCP implementation process, while at the same time incorporating sufficient flexibility to allow appropriate response to new information and changing conditions; and (2) to provide a sufficient level of detail to permit analysis of Covered Species consistent with regulatory requirements. A generalized description and analysis of the MSHCP Conservation Area is presented in *Section 3.2.*

Q1

The MSHCP Conservation Area will be comprised of existing Public/Quasi-Public Lands and new Conservation on approximately 153,000 acres of land within the Criteria Area. While the precise configuration for new Conservation within the Criteria Area has not been defined or mapped, a Conceptual Reserve Design was developed for analysis purposes as described in *Sections 3.1.9 and 3.3.1* of this document.

While certainly not the only possible configuration to emerge from application of Criteria within the Criteria Area, the Conceptual Reserve Design was a useful tool in establishing conservation targets as part of the MSHCP planning process. The conservation targets developed as part of that process, along with anticipated Conservation on Public/Quasi-Public Lands, form the basis for the description of the MSHCP Conservation Area presented in this section."

The MSHCP was intended to have local control so that land use, infrastructure, project specific information and updated science could be used for implementing the plan. To defer to a six year old CRD map for use in Murrieta's General Plan, (an interpretation by USFWS that was only one of many possible interpretations for Reserve Assembly at the time of the permit) disregards currently available information. It is not the City making their determination based on best available information. This is not what is intended in the MSHCP.

Use of the CRD also presents more of a hard line plan which places the City and/or RCA at greater risk to a legal challenge of taking private property.

For these reasons the City should not use the CRD in the General Plan. For confirmation of this conclusion City representatives should confer with Charlie Landry, Regional Conservation Authority Executive Director on this issue.

Sincerely,

Ed Sauls

c. Charles Landry

R

Smith, Greg (Planning)

From: Thomas, Pat (Public Works)
Sent: Wednesday, March 23, 2011 5:29 PM
To: Kinser, Cynthia (Planning); Lanier, Mary (Planning)
Cc: Moehling, Bob (Engineering); Smith, Greg (Planning)
Subject: FW: LOMR Study for Warm Springs Creek

Mary/Cynthia,
See attached comments from Larry Markham regarding 100' setback from natural channels not appearing in the General Plan update. You may want to bring this up with RBF.

I was not sure whether the setback would apply to the Warm Springs Creek channel on west side of I-15. Apparently, Larry thinks this should not apply. I did not make any commitments to the developer, but suggested we should schedule a meeting to discuss their plans for the property. R1

Let me know if you have any questions/comments.

Patrick Thomas
Director of Public Works/City Engineer
City of Murrieta
1 Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

ph. 951-461-6078
fax 951-461-6034

email: pthomas@murrieta.org

From: Larry Markham [mailto:lrm@markhamdmg.com]
Sent: Tuesday, March 22, 2011 5:03 PM
To: Thomas, Pat (Public Works); bcooper@superiorrm.com
Subject: RE: LOMR Study for Warm Springs Creek

BTW PAT, THE 100' DOES NOT SEEM TO APPEAR IN THE PROPOSED GEN PLAN UPDATE

PLANNING NEEDS TO BE MADE AWARE OF THE FACT THAT THIS IS A FLOOD CONTROL MASTER PLAN CHANNEL (IF WE USE SHEETS PILES THERE WILL BE NO DISTURBANCE OF EXISTING RESOURCES) AND NOT A NATURAL STREAM BED AT LEAST UP TO THE FREEWAY AND DISCHARGES INTO A CONCRETE LINED TRAP CHANNEL.

SIMILAR SITUATION FOR MURRIETA CREEK EXCEPT IT IS A SOFT CHANNEL THAT IS ACOE DESIGNED (WITH A SELF MITIGATION STRIP WITHIN THE CHANNEL) AND WILL BE FLOOD MAINTAINED.

LRM

From: Thomas, Pat (Public Works) [mailto:PThomas@murrieta.org]
Sent: Tuesday, March 22, 2011 4:25 PM
To: bcooper@superiorrm.com
Cc: Larry Markham
Subject: LOMR Study for Warm Springs Creek

Brent,

I wanted to let you know, the City has contracted with JLC Engineering to prepare the LOMR Study for Warm Springs Creek. We believe this will reduce the floodplain boundary on your parcel map. I discussed the set back issue with our Planning Dept and they were not willing to commit to a reduction from the 100' setback, but willing to consider a reduction based on proposed development plans.

Have you had any further thoughts on development plans and/or would it be beneficial to schedule a meeting with City Engineering and Planning Depts? Also, Larry Markham is looking into the availability of left over sheet piling from a project on the Santa Ana River. He thought the pilings may be useable for the channel on your property.

Let me know if you have any questions and/or would like to arrange a meeting to discuss potential development plans.

Patrick Thomas
Director of Public Works/City Engineer
City of Murrieta
1 Town Square
24601 Jefferson Avenue
Murrieta, CA 92562

ph. 951-461-6078
fax 951-461-6034

email: pthomas@murrieta.org

S

Murrieta General Plan Update Process March 23, 2011

I want to address an element of the General Plan of the City of Murrieta that has to do with landscaping. The City has, of course, influence over the landscaping of its parks and green belts. The City could have business and private land developing permits require a certain amount of native, water-conserving plants in landscaping. In a leadership way, the City can demonstrate the advantages and choices o native plants that require little or no watering. We can assemble lists of acceptable water-saving plants in a very short time.

Today, I am proposing that we take a forward look at requiring and encouraging more decorative and functional landscaping here with Southern California native plants. This concept is not totally new; it just hasn't been applied as it could be.

As a water conservation tool, native plants can save the City a lot on water costs and those savings can be put to good use in other parts of our budget. Saving water and money is more important today than it has ever been before because of budget shortfalls everywhere. By taking the lead in water conservation, our City will demonstrate how business and private property owners can do the same. We will be able to see that conservation efforts have much more potential then we've previously realized. S1

There are other unseen benefits like supporting the native wildlife. The importance of native pollinators has still not been totally recognized and rarely spoken about. Many native birds need native plants for the seeds, berries and insects to grow healthy. Also, native plants do not need the pesticides and fertilizers, which make green waste much more useable.

The advantage we have as humans is to be able to control the outdoor environment. All our landscaping needs can be met with California native plants. Some native plants are fire-resistant in this fire-prone area. We might select native plants for aesthetics or in places where soil retention is needed, as in a slope. Selecting the right plants may be challenging at first, until we become more familiar with the various native plants that are easy to acquire and others can be made available. There are some that produce large

flowers or many small flowers; some with bright colors and still others with a rainbow of color choices. Some very good examples are right in our own backyard at the Santa Rosa Plateau.

We have traditionally landscaped without considering the geographical area. Water needs in the past were not a part of consideration for plant selection. We in Murrieta live in an area that only gets an average of about 11 inches of rain per year. And that is barely above desert rainfall.

S1

Many native perennials and trees, after their initial deep rooting, need no watering at all. Some native annuals need an area level enough to soak up winter rains; after that, no watering is needed unless you want a longer growing season. We know the cost of water is not likely to go down anytime soon. We must start conserving now for long-term savings of money, and develop a new attitude towards uses of native plants.

Let us rewrite the language in the General Plan to evolve and to incorporate more native plants in our landscaping that will save money and the environment. Let us not continue in wasteful use of our precious water supply. Now, we need to become stewards of our earth.

John Dechert, Murrieta Resident Phone 951 677 4413

Staff Responses to Comments Received on General Plan 2035

A1. Responses on items 2-12 and the "Additional Changes" note. For Item 1, discussion

A2. has been to add McElwain to the Circulation Element. This will be a staff recommendation.

B1. The existing homes do not front on Whitewood. Their access is from local streets in the tract. Additional runs of the traffic model are being done, which do not include the connection of Whitewood to Jackson Avenue. However, City staff recommendation will be to include the Whitewood extension as shown in the Circulation Element.

B2. Same as Response B1.

B3. Although no alignment has been determined, it could be that property south of Whitewood would be needed for the alignment that connects Whitewood to Jackson Avenue.

B4. This is unknown by the City.

B5. Same as Response B3.

C1. Comments are being provided to the Planning Commission and City Council, who are the decision-makers in this process of approval for the General Plan 2035.

C2 The extension of Whitewood to Jackson Avenue is being proposed to relieve congestion at intersections like Murrieta Hot Springs Road and Jackson Avenue and Murrieta Hot Springs Road and Margarita Road.

D. No projects that would change the drainage, approve grading or earth disturbing activities are proposed with the General Plan Update. Although future projects may be able to "tier" from the Environmental Impact Report being done for this update, those future projects would still need to comply with the California Environmental Quality Act, Clean Water Act and other applicable laws.

E1. This letter was written by Riverside County Flood Control prior to incorporation by the City of Murrieta. City staff is aware of blueline streams and ephemeral creeks in this area. A number of tentative and vested maps and Specific Plans were approved in this area, after the August 5, 1981 letter. Those projects would have been reviewed by local, regional, state and federal agencies; and the projects would have been conditioned for inclusion in an area drainage plan. Following approval of the Golden City Specific Plan and other subdivision, once Mr. Baublitz had exhausted all administrative remedies with the City, his next step would have been to secure legal counsel.

E2. Riverside County Flood Control letter dated August 4, 1986. Same response as E1.

E3. Same as Response E1.

F1. Mr. Carrigan met with the Community Development Director and the Public Works Director prior to the March 23, 2011 Planning Commission hearing on the General Plan Update. At the March 23, 2011 Planning Commission Mr. Carrigan spoke, and told the Commission that he met with City staff, wanted to thank them and that he was satisfied with the proposed changes and the updates.

G1. Ms. Kravagna Hanson's letter provides her history with the City of Murrieta as a citizen and volunteer.

G2. Her opposition to the proposed changes for the Golden Triangle North (Central Murrieta) area is stated.

G3. Comment on additional jobs coming to the City, if proposed project with existing land use and zoning is approved.

H1. Background information on the property use and zoning. The General Plan 2035 is eliminating the MU-3 land use designation and is recommending the following land use designation for this individual's property: Office and Research Park. Staff's recommendation is to leave the land use designations as described in the previous sentence, and as shown on General Plan Exhibit 3-5, General Plan Land Use Policy Map.

H2. Property owner's reasoning for keeping the current MU-3 zoning on the Knight property.

H3. Objects to proposed changes for the MU-3 land use and zoning for the Knight property and neighboring properties also zoned MU-3. The General Plan 2035 is eliminating the MU-3 land use designation and is recommending the following land use designation for this individual's property: Office and Research Park. Staff's recommendation is to leave the land use designations as described in the previous sentence, and as shown on General Plan Exhibit 3-5, General Plan Land Use Policy Map.

H4. Additional comments objecting to the changes to eliminate the MU-3 zone.

H5. Same as H2, H3, and H4.

H6. Mrs. Knight again request that the City deny staff recommendation to change the MU-3 zoning. The General Plan 2035 is eliminating the MU-3 land use designation and is recommending the following land use designation for this individual's property: Office and Research Park. Staff's recommendation is to leave the land use designations as described in the previous sentence, and as shown on General Plan Exhibit 3-5, General Plan Land Use Policy Map.

I1. Comments acknowledged. Ms. Knight is proposing alternative land uses than those discussed by staff and residents at the two public workshops held on the MU-3 area. The General Plan 2035 is eliminating the MU-3 land use designation and is recommending the following land use designation for this individual's property: Office and Research Park. Staff's recommendation is to leave the land use designations as

described in the previous sentence, and as shown on General Plan Exhibit 3-5, General Plan Land Use Policy Map.

J1. Owner objects to change in land use and zoning based on belief that property value will decline, that the change violates CEQA, that no property owner choice in changing from MU-3, and believes that the change favors one property owner. The General Plan 2035 is eliminating the MU-3 land use designation and is recommending the following land use designation for this individual's property: Office and Research Park. Staff's recommendation is to leave the land use designations as described in the previous sentence, and as shown on General Plan Exhibit 3-5, General Plan Land Use Policy Map.

K1. Comment is that policies ignore the effects and impacts that can occur outside the area because of decisions taken for this area.

K2. The comment is that this area could be developed, but that it should not because it is habitat for the MSHCP.

L1. The letter states the author's opinion about the Multiple Species Habitat Conservation Plan (MSHCP) and provides a list of seven documents. It is stated they believes that these documents supports their view of the MSHCP.

M1. This is a form letter dated March 11, 2011 from a resident associated with CQLM. The text request that the City adopt a policy about how the City will address Multiple Species Habitat Conservation Plan (MSHCP)conservation requirement for properties in the Los Alamos Hill area.

M2. This is a form letter dated March 11, 2011 from a resident associated with CQLM. The letter request that the Los Alamos Hills Specific Plan boundaries be included in General Plan 2035 prior to its adoption.

N1. Description of the property and area.

N2. Owner requests to have a portion of the property re-zoned to Multiple Family Residential and to encourage "smart-growth," by locating job producing uses next to higher density residential. Currently, the property has the following land use designations: Rural Residential (which will be retitled Large Lot Residential), Single-Family Residential 1 (which will be retitled Single-Family Residential) and Business Park. The General Plan 2035 does not propose any land use designation changes for this owner's property.

O1. The City Council directed staff to only consider land use changes in the Focus Areas. Murrieta Villas is not located in one of those Focus Areas.

P1. Notification of UWMP for EVMWD. Contacted by City staff through emails and telephone calls.

P2. Notification of UWMP for EMWD. Contacted by City staff through emails and telephone calls.

P3. Notification of UWMP for RCWD. Contacted by City staff through emails and telephone calls

Q1. Staff agreed with Mr. Sauls that the Conceptual Reserve Design map should not have been used. It will be replaced with an MSHCP exhibit provided by the RCA.

R1. The General Plan 2035 does not include policies that cite specifics as to the minimum foot setback required from natural channels.

S1. The author's comments are noted. Landscaping and water conservation are addressed in the Municipal Code. The City of Murrieta approved a Water Efficient Landscaping Ordinance to comply with state law on January 19, 2010.

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EIR Cultural Resources Mitigation Measures with Suggested Changes by Pechanga Tribe and City Recommendations

(Track changes text reflects suggestions by Pechanga Tribe. **Bold** and ~~strikeout~~ reflect suggestions by City).

CR-1 ~~All f~~Future development projects **for properties that are vacant, undeveloped or considered to be sensitive for cultural resources by the City of Murrieta Community Development Department** shall ~~be required to~~ conduct a **Phase I** Cultural Resources Study ~~(archaeological, historical, and/or paleontological)~~ **of the subject property in accordance with the City of Murrieta's protocol by a qualified professional, which shall be submitted to the City of Murrieta Community Development Department for review and approval.** ~~on a project-specific basis, as determined by the City reviewer. The studies shall be carried out by Riverside County qualified consultants.~~ **The Phase I Cultural Resources Study shall determine where the subject development project would potentially cause a substantial adverse change to any significant archaeological, palentological, or historic resources. The Phase I Cultural Resources Study shall be prepared to meet the standards established by Riverside County and shall, at a minimum, including the results of the following:**

1. **Records searches at the Eastern Information Center (EIC), the National or State Registry of Historic Places, and any appropriate public, private, and tribal archives.**

2. **Sacred Lands File records search with the Native American Heritage Commission (NAHC), followed by project scoping with the tribes recommended by the NAHC.**

3. **Field survey of the subject development site.**

The proponent of the subject development project and the qualified professional(s) are also encouraged to contact the local Native American tribe (as identified by the NAHC and the City of Murrieta) to obtain input regarding the potential for native American resources to occur on the subject site.

Measures shall be identified to mitigate the known and potential significant effects of the subject development project, if any. Mitigation for historic resources shall be considered in the following order of preference:

1. **Avoidance.**

2. **Changes to the structure provided pursuant to the Secretary of Interior's Standards.**

3. **Relocation of the structure.**

4. **Recordation of the structure to Historic American Buildings Survey (HABS)/Historic American Engineering Record (HAER) standard if demolition is allowed.**

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Avoidance is the preferred treatment for known significant prehistoric and historical archaeological sites, and sites containing Native American human remains. Where feasible, plans for subject development projects shall be developed to avoid known significant archaeological resources and sites containing human remains. Where avoidance of construction impacts is possible, the subject development project shall be designed and landscaped in a manner, which shall ensure that direct impacts from increased public availability to these sites are avoided. Where avoidance is selected, archaeological resource sites and sites containing Native American human remains shall be placed within permanent conservation easements or dedicated open space areas.

~~Archaeological consultants shall consult with the appropriate Native American Tribe[1] prior to performance of field surveys. If cultural resources are encountered during the survey, the City shall require that the resources **shall be** are evaluated for their eligibility for listing on the National Register, California Register, and any City registers, in consultation with the appropriate Tribe. The qualified specialist, in consultation with the appropriate Tribe (based upon the nature of the find), shall determine whether additional excavations are warranted which such activities shall be conducted per CEQA Guidelines Section 15064.5. Any identified resources shall be avoided, if feasible. Ground-disturbing activity in areas that have been determined to be culturally sensitive will be monitored by the appropriate Riverside County qualified specialist and the appropriate professional Native American Tribal representative.~~

CR-2 **If the Phase I Cultural Resources Study required under Mitigation Measure CR-1 determines that monitoring during construction by a professional archaeologist is needed for the subject development project, the project proponent shall retain a professional archaeologist, subject to approval by the City of Murrieta Community Development Director, prior to the issuance of grading permits. The task of the professional archaeologist shall be to verify implementation of the mitigation measures identified in the City-approved Phase I Cultural Resources Study and to monitor the initial ground-altering activities, including but not limited to, debris removal, vegetation removal, tree removal, grading, trenching, or other site preparation activities. The professional archaeologist shall be empowered to temporarily halt or divert construction equipment to allow recording and removal of the unearthed resources. All artifacts discovered at the subject development site shall be inventoried and analyzed by the professional archaeologist. If any artifacts of Native American origin are discovered, a Native American Tribal monitor shall be asked to help analyze the Native American artifacts for identification as everyday life and/or religious or sacred items, cultural affiliation, temporal placement, and function, as deemed possible.**

A report of the findings, including an itemized inventory of recovered artifacts, shall be prepared and shall include a discussion of the significance

~~[1] It is anticipated that the Pechanga Tribe will be the "appropriate" Tribe due to their prior and extensive coordination with the City and due to its demonstrated cultural affiliation and prior designation of Most Likely Descendent within the City boundaries.~~

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of the recovered artifacts. The report and inventory, when submitted to the City of Murrieta Community Development Department, shall signify completion of the program to mitigate impacts to archaeological and/or cultural resources.

CR-~~1~~3 In the event that cultural resources (archeological, historical, paleontological) resources are inadvertently unearthed during excavation and grading activities of any future development project, the contractor shall **immediately** cease all earth-disturbing activities within a 100-meter radius of the area of discovery. The project proponent ~~, and~~ shall retain ~~the appropriately a~~ qualified **professional** ~~specialist~~ (i.e., ~~Riverside County~~ archaeologist, historian, architect, paleontologist, Native American Tribal monitor), **subject to approval by the City of Murrieta Community Development Director,** ~~as well as the appropriate professional Native American Tribal monitor~~ to evaluate the significance of the finding and appropriate course of action (refer to Mitigation Measures CR-1, CR-2, and CR-4), ~~which shall include preservation in place and avoidance as required by CEQA when feasible~~. If avoidance is not feasible, ~~S~~salvage operation requirements pursuant to Section 15064.5 of the CEQA Guidelines shall be followed. After the find has been appropriately mitigated, work in the area may resume.

CR-~~2~~4 In the event that human remains are unearthed during excavation and grading activities of any future development project, all activity shall cease immediately. Pursuant to State Health and Safety Code Section 7050.5, no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner shall within 24 hours notify the Native American Heritage Commission (NAHC). The NAHC shall then contact the most likely descendant of the deceased Native American, who shall serve as consultant on how to proceed with the remains.

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PLANNING COMMISSION
STAFF REPORTS

ATTACHMENT 10

Murrieta

Planning Commission Staff Report

To:	Planning Commission
From:	Greg Smith, Associate Planner
Date:	March 9, 2011
Subject:	General Plan 2010 Annual Progress Report

RECOMMENDATION

Receive and File the Draft General Plan 2010 Annual Progress Report to the Governor's Office of Planning and Research, and the Department of Housing and Community Development.

PROJECT DESCRIPTION

The City of Murrieta is required by State Law to prepare an Annual Progress Report (APR) for the current City of Murrieta General Plan. The State of California Government Code Section 65400(a)(2) was changed on January 1, 2007 to require submittal of the report each year. The report must be accepted by the City of Murrieta City Council, and then sent to the Governor's Office of Planning and Research (OPR), and the Department of Housing and Community Development (HCD).

OPR provided guidance on how to write the report in a document, dated July 11, 2007, which allows cities to use a flexible format for the Report. That document listed the types of information that should be included in the Report, and also included a list of optional information that can be included in the APR.

The attached document has been prepared in accordance with the OPR January 2007 guidance document, which provides that the purpose of the Annual Progress Report is to inform:

- Local legislative bodies (City Council) with specific information on how the General Plan is being implemented, and how modification to the General Plan can be made to improve implementation.
- State agencies (OPR and HCD) help in identifying trends in land use decision-making and to meet statutory requirements.

ENVIRONMENTAL DETERMINATION

Not applicable.

NOTICING

Not applicable

Planning Commission Staff Report
Meeting Date: 3-09-2011

Prepared by:	Recommendation approved by:
Greg Smith Associate Planner	Cynthia Kinser City Planner

Exhibit
Exhibit 1 – Draft City of Murrieta 2010 General Plan Annual Progress Report
Attachment 2 - Draft Annual Housing Element Progress Report (2010)

Murrieta

Planning Commission Staff Report

To:	Planning Commission
From:	Greg Smith, Associate Planner
Date:	March 23, 2011(Continued from March 9, 2011)
Subject:	Comprehensive General Plan Update and Environmental Impact Report: Second Hearing

RECOMMENDATION

Discuss and comment on the Draft General Plan and Draft Environmental Impact Report, take public testimony, and continue the hearing to April 6, 2011.

PROJECT DESCRIPTION

Application Type: General Plan Amendment (GPA-2009-2841)

Applicant: City of Murrieta

Location: The City of Murrieta is located in southeastern Riverside County, and is comprised of 26,852 acres (41.96 square miles) of which 21,511 acres (33.61 square miles) is located within the City Limits and 5,341 acres (8.34 square miles) is located within the City's Sphere of Influence. Surrounding cities include Menifee to the north, Temecula to the south and east, Wildomar to the west, and unincorporated Riverside County to the north, south, and east.

Description: The General Plan 2035 is a comprehensive update of the 1994 General Plan, which includes an update of existing elements, as well as the addition of two elements. The General Plan 2035 comprises the following State mandated and optional elements: Land Use; Economic Development; Circulation; Healthy Community; Conservation; Recreation and Open Space; Air Quality; Noise; and Safety. The Housing Element is being updated in a separate process. In addition, a Climate Action Plan (CAP) is being prepared. The CAP is an implementing action of the General Plan 2035 that describes measures intended to reduce greenhouse emissions within City operations and the community at-large.

BACKGROUND

On March 9, 2011, the Planning Commission continued the hearing on the draft General Plan 2035 and the Draft Environmental Impact Report (DEIR) to March 23, 2011. The first of several meetings focused on providing the background for how the General Plan update has reached this point and a general overview of the draft documents.

Subsequent Planning Commission meetings will discuss, in greater detail, the specific General Plan elements, the goals and policies in those elements, and how they are tied to the environmental document (DEIR).

ANALYSIS

This second Planning Commission hearing will focus on the following elements:

- Circulation
- Safety
- Infrastructure
- Conservation

In addition, a discussion of the issues with the French Valley Airport Land Use Plan will be covered. Much of the discussion in the General Plan on airports is found in the Land Use Element. However, the goals and policies found in other elements, including the Circulation and Safety Elements, specifically applies to airports.

CIRCULATION ELEMENT

The Circulation Element represents the City's overall transportation plan to accommodate the movement of people and goods within and through the City. It establishes goals and policies to achieve a balanced transportation system that adequately serves the growth and development anticipated in the Land Use Element. *Government Code* Section 65302 (b) requires that a General Plan include the Circulation Element.

The Circulation Element provides thresholds for evaluating road segments and intersections based upon the Level of Service (LOS) determined for those locations. For example the LOS "D" or better is required for intersections during peak hours. Road segments generally need to operate at a LOS "C" or better.

Iteris is the sub-consultant working with RBF Consulting to run the traffic models, prepare the traffic analysis, and also prepare the Circulation Element. In order to maintain the value of the environmental document, as a program EIR, additional intersections were evaluated for the traffic study.

SAFETY ELEMENT

The Safety Element describes hazards that exist in Murrieta and the measures that the City is taking to address them. Some naturally occurring hazards may be unavoidable, however their impacts on communities can be reduced through planning and preparation. Thus, the Safety Element addresses geologic, seismic, flood, and fire hazards. This Element also addresses hazards created by human activity: hazardous materials and waste, aircraft hazards, and incidents that call for police protection. California *Government Code* Section 65302(g) requires that a General Plan include a Safety Element.

Public safety is a major component of the Safety Element. The Murrieta Police Department and Murrieta Fire Department have reviewed the draft General Plan and DEIR to ensure the documents are consistent with their department goals, policies, and existing and future needs in terms of personnel and facilities.

CONSERVATION ELEMENT

The purpose of the Conservation Element is to provide direction regarding the conservation, development, and utilization of natural and cultural resources. It serves as a guide for the City of Murrieta, its residents, and its businesses to understand what natural or other resources exist in the City, how development impacts these resources, and methods to maintain, preserve, or conserve these resources. The Conservation Element considers the following resources in the natural environment: water; hills and ridges; and mineral, paleontological, and biological resources. It also considers resources within the built environment: urban ecology, farmland, cultural, energy, and solid waste. California *Government Code* Section 65302 (d) requires "*that a General Plan include a conservation element for the conservation, development, and utilization of natural resources including water and its hydraulic force, forests, soils, rivers and other waters, harbors, fisheries, wildlife, minerals and other natural resources.*"

INFRASTRUCTURE ELEMENT

In order to accommodate sustainable growth of Murrieta's resident population and employment centers, the City must actively plan for and allocate resources to infrastructure systems. This Element addresses facilities for water, wastewater, flood control, storm drainage, electricity and natural gas. It identifies infrastructure issues that affect General Plan implementation, seeking to ensure that adequate infrastructure is provided with all new development projects, and that infrastructure is maintained and upgraded as needed. This Element also seeks to encourage the expansion of recycled water systems throughout the City, as an important part of ensuring sufficient water supplies. California *Government Code* Section 65302 (b) requires that the General Plan include *"local public utilities and facilities, all correlated with the land use element of the plan."*

AIRPORT LAND USE

The General Plan discusses Airport land use under regional issues in the Land Use Element. Per the California State Aeronautics Act (*Public Utility Code* Sections 21670 et. seq.), the Riverside County Airport Land Use Commission (RCALUC) has two primary functions: 1) prepare and adopt and airport land use compatibility plan, and 2) review the plans, regulations, and other actions of local agencies and airport operations with the land use compatibility plan.

Section 5.1, the Land Use Section of the Environmental Impact Report discusses the history of the most recent Airport Land Use Compatibility Plans. This section also provides details on the Initial Study that was done to comply with the California Environmental Quality Act. The Initial Study provides a matrix of mitigation measures to address the residential and non-residential displacement, based on inconsistencies in the Airport Land Use Plan and surrounding land uses. Those inconsistencies were in the City of Murrieta, the City of Temecula and Riverside County. The

previous 2004 ALUCP had identified two areas of inconsistency in the City of Murrieta. In one of those areas an Airport Land Use Override was done by the City of Murrieta (Murrieta MarketPlace), and the Airport Land Use Commission has agreed to find the second area (west of Winchester Road) consistent with the ALUCP for a Rural Residential Land Use with a 2.5 Acre Minimum lot size.

APRIL MEETINGS:

The next meeting is tentatively scheduled for April 6, 2011. If the Commission continues the hearing to that date, the next General Plan elements to be discussed are:

- Economic Development Element
- Air Quality Element
- Healthy Community Element

In addition, a discussion of the Climate Action Plan is proposed. The CAP is an implementation tool for the policies in the Air Quality, Infrastructure and other elements of the General Plan. The next meeting will discuss new State Laws that led to the inclusion of the CAP in the General Plan update.

ENVIRONMENTAL DETERMINATION

The City of Murrieta is the Lead Agency under *CEQA* and is responsible for preparing the Program EIR for the Murrieta General Plan 2035 (State Clearinghouse No. 20100111084). This Program EIR has been prepared in conformance with *CEQA* (*California Public Resources Code* [PRC] Section 21000 et seq.); *CEQA Guidelines* (*California Code of Regulations* [CCR], *Title 14*, Section 15000 et seq.); and the rules, regulations, and procedures for implementation of *CEQA*, as adopted by the City of Murrieta. The principal *CEQA Guidelines* sections governing content of this document are Sections 15120 through 15132 (Contents of Environmental Impact Reports), and Section 15168 (Program EIR).

The City has prepared a Draft Environmental Impact Report (DEIR) to address significant impacts that that were identified; including Land Use, Traffic and Circulation, Air Quality, Noise, and Parks and Recreation. A Statement of Overriding Considerations will be required to address those impacts that cannot be mitigated to a level of insignificance.

The DEIR is also being prepared with the intent that future development may tier from the CEQA document and the proposed mitigation, unless it is determined that any future proposed project presents significant impacts not considered and/or mitigated by this EIR. Tiering involves the use of a previous, and usually more complete, analysis that allows a proposed project to comply with CEQA regulations because the previous analysis addressed issues that could impact the proposed project.

A Notice of Availability (NOA)/Notice of Completion (NOC) were issued on February 7, 2011, and the 45-day review period ends on March 24, 2011. At the end of the 45-day review period, comments and responses to those comments will be incorporated into the document for the Final Environmental Impact Report (FEIR).

Section 5.0 of the EIR evaluates the impacts associated with the proposed General Plan 2035. This section contains a detailed environmental analysis of the existing conditions, project impacts, recommended mitigation measures, and unavoidable adverse impacts for a number of environmental

topic areas. Mitigation measures that are incorporated into the General Plan 2035 in the form of goals and policies are described and additional mitigation measures, which may be required to mitigate project impacts, are recommended. These additional mitigation measures will make up the Mitigation Monitoring Report (MMRP) that will become part of the environmental approval for the EIR.

NOTICING

The project was noticed in accordance with Section 16.76 of the Development Code with a display notice in *The Californian* newspaper for a minimum of 10 days prior to the hearing, and the posting of notices at City Hall as well as the main Fire Station. Notices were also mailed to property owners and the surrounding property owners for parcels included in the focus areas where land use changes are proposed.

Prepared by:	Reviewed by:
Greg Smith Associate Planner	Cynthia Kinser City Planner
Approved by: Mary E. Lanier Community Development Director	

ATTACHMENTS

1. Draft General Plan (previously transmitted)
2. Draft Environmental Impact Report (previously transmitted)
   Land Use Map
3. Focus Area Maps: Existing and Proposed Land Uses (To be distributed at the hearing)

Murrieta

Planning Commission Staff Report

To:	Planning Commission
From:	Greg Smith, Associate Planner
Date:	April 6, 2011(Continued from March 23, 2011)
Subject:	Comprehensive General Plan Update and Environmental Impact Report: Second Hearing

RECOMMENDATION

Discuss and comment on the Draft General Plan and Draft Environmental Impact Report, take public testimony, and continue the hearing to April 27, 2011.

PROJECT DESCRIPTION

Application Type: General Plan Amendment (GPA-2009-2841)

Applicant: City of Murrieta

Location: The City of Murrieta is located in southeastern Riverside County, and is comprised of 26,852 acres (41.96 square miles) of which 21,511 acres (33.61 square miles) is located within the City Limits and 5,341 acres (8.34 square miles) is located within the City's Sphere of Influence. Surrounding cities include Menifee to the north, Temecula to the south and east, Wildomar to the west, and unincorporated Riverside County to the north, south, and east.

Description: The General Plan 2035 is a comprehensive update of the 1994 General Plan, which includes an update of existing elements, as well as the addition of two elements. The General Plan 2035 comprises the following State mandated and optional elements: Land Use; Economic Development; Circulation; Healthy Community; Conservation; Recreation and Open Space; Air Quality; Noise; and Safety. The Housing Element is being updated in a separate process. In addition, a Climate Action Plan (CAP) is being prepared. The CAP is an implementing action of the General Plan 2035 that describes measures intended to reduce greenhouse emissions within City operations and the community at-large.

BACKGROUND

The first Planning Commission hearing on March 9, 2011 focused on providing the background for how the General Plan update has reached this point and a general overview of the draft documents. The second hearing on March 23, 2011 discussed the Circulation, Safety, Infrastructure and Conservation Elements. In addition, the structure and content of the Environmental Impact Report was also reviewed. The Planning Commission continued the hearing on the draft General Plan 2035 and the Draft Environmental Impact Report (DEIR) to April 6, 2011. The last Planning Commission hearing, which is scheduled for April 27, 2011, is intended to wrap-up the discussion by the Planning Commission. The Commission will need to make recommendations to the City Council, based on the information presented by staff and the public testimony from the hearings.

ANALYSIS

This third Planning Commission hearing will focus on the remaining General Plan Elements:

- Economic Development
- Air Quality
- Healthy Community
- Recreation and Open Space
- Noise

In addition, the discussion will include the French Valley Airport Land Use Compatibility Plan and Climate Action Plan (CAP). The CAP, which is an implementation tool, is included in the appendix. The CAP was written to comply with Assembly Bill 32 and other legislation that was recently passed, which requires a reduction of greenhouse gases.

ECONOMIC DEVELOPMENT ELEMENT

Economic development has been identified by City leaders as the key priority of the City and the focus for the General Plan 2035. The purpose of the Economic Development Element is to identify current economic development conditions and to demonstrate how the General Plan will promote business activity and employment growth within the City; consistent with the priorities identified by City leaders and the community. The Economic Development Element establishes goals and policies to promote fiscal stability, expand the City's employment base, and enhance the City's revenues in order to provide quality services to the community. These goals and policies provide for the implementation of the vision of Murrieta as a regional economic job center and premier commercial hub. The Economic Trends and Conditions Background Report (January 2010) and Retail Market and Fiscal Impact Analyses (January 2011) prepared by Stanley R. Hoffman Associates serve as the basis for direction in this Element and can be found in the Appendices for General Plan 2035 and the DEIR.

The Economic Development Element is not a mandatory element required by State Planning Law. However, a General Plan may also include other topics of local interest, as chosen by the local jurisdiction. Murrieta has chosen to include an Economic Development Element to address the economic health of the City and to establish goals and policies that encourage economic growth while also maintaining and improving the quality of life in the community.

HEALTHY COMMUNITY ELEMENT

The purpose of this Healthy Community Element is to promote the health, safety, and general welfare of Murrieta's residents, workers, and visitors. It highlights the connections between health and the physical, social, and economic environment, and provides an overarching strategy for achieving and maintaining a healthy community. The Element begins by describing the legal and logical basis for creating a Healthy Community Element; is followed by key health conditions and determinants in Murrieta; and continues with the Vision and Key Concepts for health in Murrieta. The centerpiece of the Element is a set of explicit goals and policies to promote a healthy community. The goals and policies – as well as the summary of key health conditions and determinants – are organized according to the following key topics:

- Citywide Health
- Land Use and Urban Design for Health
- Environmental Health
- Safe, Sustainable, and Active Transportation
- Public Spaces for Physical Activity and Social Cohesion
- Healthy Economy
- Healthy Goods and Services

Health and city planning have been closely connected for a very long time. The health crises created by rapid industrialization and urbanization during the late 19th and early 20th centuries were the impetus for much of modern planning and zoning. Faced with the rampant spread of diseases and with the health effects of locating industrial pollution sources in close proximity to high-density residential urban areas, city planners began requiring basic infrastructure to protect public health. The result was the Federal Zoning Enabling Act, which enabled modern zoning and is still the legal rationale for land use regulation and planning across the country.

Since the goal of the General Plan is to create a long-term vision for the City's physical form and character, it provides a fundamental opportunity to promote community health for the long-term. The Healthy Community Element is consistent with *Government Code* Section 65303, which authorizes local jurisdictions to adopt additional elements to those required by state law when they relate to the physical development of the jurisdiction.

RECREATION AND OPEN SPACE ELEMENT

Surrounded by natural beauty, with hills and creeks within its borders, Murrieta is well positioned to provide opportunities for recreation, outdoor activities, and enjoyment of nature. Parks, recreation facilities, and trails promote health, and community members value them highly. Recreation programs such as classes and events offer a variety of benefits including health, education, and social interaction. Besides promoting aesthetic values, open space management and conservation can provide habitat, contribute positively to air and water quality, and protect residents from hazards such as fires and floods.

The Recreation and Open Space Element provides the goals and policies, which are implemented through the Parks Master Plan. California *Government Code* Section 65560(b)(3) stipulates that the General Plan address:

"...Open space for outdoor recreation, including but not limited to, areas of outstanding scenic, historic and cultural value; areas particularly suited for park and recreation purposes, including access to lakeshores, beaches, and rivers and streams; and areas which serve as links between major recreation and open-space reservations, including utility easements, banks of rivers and streams, trails, and scenic highway corridors..."

NOISE ELEMENT

The Noise Element examines noise sources in the City to identify and assess the potential for noise conflicts and problems, and to identify ways to reduce existing and potential noise impacts. This Element addresses noise that affects the larger community, rather than noise associated with site-specific conditions. Existing and future noise from mobile and stationary sources are considered, as well as the compatibility of land uses and sensitive receptors. The Element identifies projected noise levels and contains goals and policies to maintain noise levels that are compatible with various types of land uses, as well as prevent high noise levels in sensitive areas. The regulatory framework, background information, and existing and future conditions can be found in the General Plan EIR.

Government Code Section 65302(f) requires that a General Plan include:

> *"... a noise element which shall identify and appraise noise problems in the community. The Noise Element shall recognize the guidelines established by the Office of Noise Control in the State Department of Health Services and shall analyze and quantify...current and projected noise levels for all of the following sources: (1) highways and freeways; (2) primary arterials and major local streets; (3) passenger and freight on-line railroad operations and ground rapid transit systems; (4) commercial, general aviation, heliport, and military airport operations, aircraft overflights, jet engine test stands, and all other ground facilities and maintenance functions related to airport operation; (5) local industrial plants, including but not limited to, railroad classification yards; (6) other ground stationary noise sources identified by local agencies as contributing to the community noise environment."*

AIR QUALITY ELEMENT

Recognizing the importance of air quality associated with the public's health and welfare and that air quality is a regional issue that extends beyond the jurisdictional boundaries of a city, Murrieta has chosen to include Air Quality as an optional Element within its General Plan. The Air Quality Element is intended to establish policy direction and implementation measures that allow the South Coast Air Basin to attain Federal and State air quality standards, as well as to protect Murrieta residents and businesses from the harmful effects of poor air quality. The Element includes a number of policies to reduce current pollution emissions and to require new development to include measures to comply with air quality standards. This Element also contains provisions to address new air quality regulations and requirements. A Climate Action Plan (CAP), which addresses global climate change issues and the reduction of greenhouse gas emissions, was also prepared.

The City of Murrieta is located in the South Coast Air Basin (Basin), a 10,743-square mile area bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto

Mountains to the north and east. Regulatory oversight for air quality in the Basin rests with South Coast Air Quality Management District (SCAQMD) at the regional level, the California Air Resources Board (CARB) at the State level and the United States Environmental Protection Agency (U.S. EPA) at the Federal level. The SCAQMD monitors air quality at 37 monitoring stations throughout the Basin. Each monitoring station is located within a Source Receptor Area (SRA). The communities within an SRA are expected to have similar climatology and ambient air pollutant concentrations. The City of Murrieta is located in SRA 26 (Temecula Valley).

Although Air Quality is not a required element, California *Government Code* Section 65303 authorizes cities and counties to adopt *"any other elements or address any other subjects, which, in the judgment of the legislative body, relate to the physical development of the county or city."* Once adopted, an optional element carries the same legal weight as any of the seven mandatory elements and must be consistent with all other elements. *Government Code* Section 65302(d), which provides the statutory requirements for the Conservation Element, also serves as the applicable *Government Code* section for the Air Quality Element. Further guidance is provided in the Office of Planning and Research's *2003 General Plan Guidelines* regarding the assessment of air quality impacts in General Plans.

CLIMATE ACTION PLAN

The City of Murrieta, as part of the proposed General Plan 2035, has prepared a Climate Action Plan (CAP). The purpose of the CAP is to address the main sources of emissions that contribute to global climate change. The CAP consists of the following:

- A city-wide existing GHG emissions inventory;
- Quantification of General Plan horizon year emissions;
- Development of measures aimed at reducing GHG emissions generated within the City;
- Development of thresholds of significance and a methodology for CEQA review of GHG and climate change impacts for subsequent projects within the City;
- A mechanism for monitoring and reporting of the GHG compliance program; and
- An implementation plan for future action.

As part of the CAP, the City has joined the International Council for Local Environmental Initiatives (ICLEI)-Local Governments for Sustainability. ICLEI is an association of over 1,100 local governments from 67 countries who are committed to sustainable development. ICLEI provides technical consulting, training, and information services to build capacity, share knowledge, and support local governments in the implementation of sustainable development at the local level. Future GHG analyses for projects proposed in the City will be tiered off of the CAP.

Policies addressing GHG emission are included in many of the General Plan Elements including Air Quality, Land Use and the Healthy Community Element. The regulatory framework for the reduction of GHG emissions is outlined in Section 5.6 of the DEIR.

AIRPORT LAND USE

The General Plan discusses Airport land use under regional issues in the Land Use Element. Per the California State Aeronautics Act (*Public Utility Code* Sections 21670 et. seq.), the Riverside County

Airport Land Use Commission (RCALUC) has two primary functions: 1) prepare and adopt and airport land use compatibility plan, and 2) review the plans, regulations, and other actions of local agencies and airport operations with the land use compatibility plan.

Section 5.1, the Land Use Section of the Environmental Impact Report discusses the history of the most recent Airport Land Use Compatibility Plans.

ENVIRONMENTAL DETERMINATION

The City of Murrieta is the Lead Agency under *CEQA* and is responsible for preparing the Program EIR for the Murrieta General Plan 2035 (State Clearinghouse No. 20100111084). This Program EIR has been prepared in conformance with *CEQA* (*California Public Resources Code* [PRC] Section 21000 et seq.); *CEQA Guidelines* (*California Code of Regulations* [CCR], *Title 14*, Section 15000 et seq.); and the rules, regulations, and procedures for implementation of *CEQA*, as adopted by the City of Murrieta. The principal *CEQA Guidelines* sections governing content of this document are Sections 15120 through 15132 (Contents of Environmental Impact Reports), and Section 15168 (Program EIR).

A Notice of Availability (NOA)/Notice of Completion (NOC) were issued on February 7, 2011, and the 45-day review period ended on March 24, 2011. The comments and responses to those comments received during the 45-day review period will be incorporated into the document for the Final Environmental Impact Report (FEIR).

NOTICING

The project was noticed in accordance with Section 16.76 of the Development Code with a display notice in *The Californian* newspaper for a minimum of 10 days prior to the hearing, and the posting of notices at City Hall as well as the main Fire Station. Notices were also mailed to property owners and the surrounding property owners for parcels included in the focus areas where land use changes are proposed.

Prepared by:	Reviewed by:
Greg Smith Associate Planner	Cynthia Kinser City Planner
Approved by: Mary E. Lanier Community Development Director	

ATTACHMENTS

1. Draft General Plan (previously transmitted)
2. Draft Environmental Impact Report (previously transmitted)

Murrieta

Planning Commission Staff Report

To:	Planning Commission
From:	Greg Smith, Associate Planner
Date:	June 8, 2011
Subject:	Murrieta General Plan 2035 and Environmental Impact Report (SCH No. 2010111084)

RECOMMENDATION

That the Planning Commission adopt the resolution recommending that the City Council certify the Final Environmental Impact Report (SCH#2010111084); and, adopt the Murrieta General Plan 2035.

PROJECT DESCRIPTION

Application Type: General Plan Amendment (GPA-2009-2841)

Applicant: City of Murrieta

Location: The City of Murrieta is located in southeastern Riverside County, and is comprised of 26,852 acres (41.96 square miles) of which 21,511 acres (33.61 square miles) is located within the City Limits and 5,341 acres (8.34 square miles) is located within the City's Sphere of Influence. Surrounding cities include Menifee to the north, Temecula to the south and east, Wildomar to the west, and unincorporated Riverside County to the north, south, and east.

Description: The General Plan 2035 is a comprehensive update of the 1994 General Plan, which includes an update of existing elements, as well as the addition of two elements. The General Plan 2035 comprises the following State mandated and optional elements: Land Use; Economic Development; Circulation; Healthy Community; Conservation; Recreation and Open Space; Air Quality; Noise; and Safety. The Housing Element is being updated in a separate process. In addition, a Climate Action Plan (CAP) was prepared. The CAP is an implementing action of the General Plan 2035 that describes measures intended to reduce greenhouse emissions within City operations and the community at-large.

BACKGROUND

In 2009, the City Council adopted the City's first Comprehensive Economic Development Strategy which identifies the City's 20 year vision for Murrieta as a diversified business hub for Southwest Riverside County and neighboring North San Diego County. As part of the implementation of that Strategy, the City Council directed staff to commence a comprehensive update of the City's General Plan, with the objective of addressing our economic future by promoting our City as a long term home for technologically-advanced firms and higher educational facilities, including healthcare, medical facilities and services, software companies, engineering companies, medical device companies, biotechnology firms, defense contractors, research and development operations, green-tech, and light manufacturing.

Additionally, the City desired to address the implementation of SB 375 related to the reduction of greenhouse gas emissions, along with further promotion of the City's Healthy Murrieta program through the creation of a Healthy Community Element. With these objectives, the Murrieta General Plan 2035 officially commenced in August 2009.

Throughout late 2009 and early 2010, a variety of community workshops were conducted related to community vision, land use, and city-wide goals. Additionally, there were focused workshops for key areas in the community where land use changes were planned to implement the economic strategy. The objectives of the strategy, along with the community outreach, resulted in the drafting of the Murrieta General Plan 2035 and Environmental Impact Report.

The Planning Commission has held three public hearings on these documents on March 9, 2011, March 23, 2011 and April 6, 2011.

The first Commission meeting focused on providing a general overview of the draft documents, along with a review of the land use changes proposed in the Focus Areas. The following two meetings discussed the details of the Environmental Impact Report (EIR), the General Plan Elements, and the background documents, which includes the economic studies for the Economic Development Element, and the Climate Action Plan related to implementing SB 375.

ANALYSIS

Since the April 6, 2011 Commission hearing, a technical review of the General Plan document was conducted, which resulted in text changes to correct grammar and minor clarifying language in the document. Attachment 4 provides an errata document that identifies the proposed changes to the General Plan document.

There are two matters to bring back to the Planning Commission related to the extension of Whitewood Road to Jackson Avenue and the results of the review of the General Plan with the Airport Land Use Commission.

WHITEWOOD ROAD EXTENSION

West of I-15, the City's street pattern has the characteristics of a grid pattern, allowing for alternative north/south and east/west circulation. The future completion of Jefferson Avenue, will allow a parallel alternative to the I-15 from Temecula to Lake Elsinore. East of I-15, in part due to topography, the north/south and east/west connections are limited, thereby, providing for greater reliance on I-215 for north/south access.

Staff proposed the extension of Whitewood Avenue south to Jackson/Ynez in order to provide a similar alternative that Jefferson Avenue provides. The extension of Whitewood Avenue would allow a freeway alternative for more localized traffic between Temecula, Murrieta, and Menifee. These alternatives also provide an alternative to emergency responders.

The Planning Commission requested additional information regarding traffic volumes related to the Circulation Plan with and without the Whitewood Avenue extension. The matter was analyzed and it was determined that there was little to no difference in the traffic model with either scenario. The Whitewood extension is a matter of providing a north/south circulation alternative to the I-215.

AIRPORT LAND USE

The General Plan discusses Airport land use under regional issues in the Land Use Element. Per the California State Aeronautics Act (*Public Utility Code* Sections 21670 et. seq.), the Riverside County Airport Land Use Commission (RCALUC) has two primary functions: 1) prepare and adopt and airport land use compatibility plan, and 2) review the plans, regulations, and other actions of local agencies and airport operations with the land use compatibility plan.

On May 12, 2011 the Riverside County Airport Land Use Commission reviewed the Murrieta General Plan 2035 and determined that with the addition of the following policies, the ALUC could find General Plan 2035 and the proposed land uses conditionally consistent with the Airport Land Use Plan.

LU-25.10 Submit tentative tract maps and parcel maps to the Riverside County Airport Land Use Commission for consistency review. This is applicable to properties designated as Rural Residential and Single-Family Residential in the General Plan and that are located within Compatibility Zones C and D in the French Valley Airport Land Use Compatibility Plan.

LU-25.11 Submit commercial development and places of assembly to the Riverside County Airport Land Use Commission for consistency review with the applicable average and single-acre population intensity limits in the French Valley Airport Land Use Compatibility Plan for properties within Compatibility Zones B1, C, and D.

LU-25.12 Require new development that is 10 acres or larger in area to incorporate open space area in compliance with the Riverside County Airport Land Use Compatibility Plan Section 4.2.4 and in compliance with the applicable Compatibility Zones requirements in the French Valley Airport Land Use Compatibility Plan

ALUC staff also requested that text in the draft General Plan be corrected to reflect that the 55 CNEL contour for the French Valley Airport encroaches slightly into the eastern part of the City of Murrieta, along the west side of Winchester Road.

COMMENTS

A number of letters were received commenting on the Draft EIR. The California Environmental Quality Act (CEQA) requires that EIR comments be addressed and included in the Final EIR (Attachment 6). Letters were also received commenting on the General Plan document, though there is no requirement to provide a written response to the letters, these letters have been addressed and are included in Attachment 7. Some comments prompted a change to the text, which is addressed in the response letter and is also reflected in the General Plan errata (Attachment 4) and the Final EIR.

ENVIRONMENTAL DETERMINATION

The City of Murrieta is the Lead Agency under *CEQA* and is responsible for preparing the Program EIR for the Murrieta General Plan 2035 (State Clearinghouse No. 20100111084). This Program EIR has been prepared in conformance with *CEQA* (*California Public Resources Code* [PRC] Section 21000 et seq.); *CEQA Guidelines* (*California Code of Regulations* [CCR], *Title 14*, Section 15000 et seq.); and the rules, regulations, and procedures for implementation of *CEQA*, as adopted by the City of Murrieta. The principal *CEQA Guidelines* sections governing content of this document are Sections 15120 through 15132 (Contents of Environmental Impact Reports), and Section 15168 (Program EIR).

The City has prepared a Draft Environmental Impact Report (DEIR) to address significant impacts that that were identified; including Traffic and Circulation, Air Quality, Noise, and Parks and Recreation. A Statement of Overriding Considerations will be required to address those impacts that cannot be mitigated to a level of insignificance.

The DEIR is also being prepared with the intent that future development may tier from the CEQA document and the proposed mitigation, unless it is determined that any future proposed project presents significant impacts not considered and/or mitigated by this EIR. Tiering involves the use of a previous, and usually more complete, analysis that allows a proposed project to comply with CEQA regulations because the previous analysis addressed issues that could impact the proposed project.

A Notice of Availability (NOA)/Notice of Completion (NOC) were issued on February 7, 2011, and the 45-day review period ended on March 24, 2011. At the end of the 45-day review period, comments and responses to those comments were incorporated into the document for the Final Environmental Impact Report (FEIR).

The EIR evaluates the impacts associated with the proposed General Plan 2035, providing detailed environmental analysis of the existing conditions, project impacts, recommended mitigation measures, and unavoidable adverse impacts for certain environmental topic areas. Mitigation measures are incorporated into the General Plan 2035 document in the form of goals and policies, along with the Mitigation Monitoring Report Program (MMRP) that is part of the EIR.

IMPLEMENTATION

The General Plan is the City's policy document identifying the City's objectives and goals for the next 20 years. With the adoption of the General Plan, there will be a subsequent work program to implement its objectives. Such actions will include zone changes, Development Code Amendments, and other programs to implement the goals and objectives of the Murrieta General Plan 2035.

NOTICING

The project was noticed in accordance with Section 16.76 of the Development Code with a display notice in *The Californian* and *Press Enterprise* newspapers for a minimum of 10 days prior to the hearing, and the posting of notices at City Hall as well as the main Fire Station, Police Department and Library. Notices were also mailed to property owners and the surrounding property owners for parcels included in the focus areas where land use changes are proposed.

Prepared by:	Reviewed by:
Greg Smith	Cynthia S. Kinser
Associate Planner	City Planner

ATTACHMENTS

1. Draft Resolution
2. Statement of Facts and Findings and Statement of Overriding Considerations
3. Draft General Plan 2035 (Previously distributed)
4. General Plan 2035 (errata)
5. Draft Environmental Impact Report, including Climate Action Plan (Previously distributed))
6. Final Environmental Impact Report, includes Mitigation Monitoring Reporting Program, Comments and Responses to Draft Environmental Impact Report
7. General Plan Comments and Responses

PLANNING COMMISSION MINUTES

ATTACHMENT 11

MINUTES

MURRIETA PLANNING COMMISSION
ONE TOWN SQUARE, 24601 JEFFERSON AVE.
MURRIETA, CA

MARCH 9, 2011 – 6:00 P.M.
REGULAR MEETING

CALL TO ORDER **Vice Chair Goodman** called the meeting to order at 6:05 p.m.

ROLL CALL

Present:	Casadonte, Cohen, Kirshberg, Goodman and Butler*
Absent:	None
Staff Present:	Mary Lanier, Community Development Director; Cynthia Kinser, City Planner; Prescilla Dugard, Assistant City Attorney; Collette Morse, Project Manager with RBF Consulting; Bob Moehling; Engineering Manager; Bruce Coleman, Economic Development Director; Adam Huber, IS Technician II; Lorie Abeles, Secretary; and Kathleen Shubin, Minutes Clerk.

*Chair Butler arrived at 6:28 p.m.

PLEDGE OF ALLEGIANCE

Commissioner Cohen led in the Pledge of Allegiance.

AGENDA REVIEW

Vice Chair Goodman reviewed the agenda.

Action: A motion was made by **Commissioner Cohen** and seconded by **Commissioner Casadonte** to approve the agenda.

AYES:	Casadonte, Cohen, Kirshberg and Goodman
NOES:	None
ABSENT:	Butler
ABSTAIN:	None

PUBLIC COMMENTS

None

RECEIVE AND FILE

1. GENERAL PLAN 2010 ANNUAL PROGRESS REPORT

Ms. Kinser relayed this is the annual 2010 General Plan Progress Report on the current General Plan, not the one the Commission is about to review. This item will be forwarded to the City Council then to the office of Planning and Research.

Action: A motion was made by **Commissioner Casadonte** and seconded by **Commissioner Kirshberg** to receive and file the report.

AYES:	Casadonte, Cohen, Kirshberg and Goodman
NOES:	None
ABSENT:	Butler
ABSTAIN:	None

CONTINUED PUBLIC HEARING

1. GENERAL PLAN AMENDMENT 2009-2841 (GENERAL PLAN 2035)

Ms. Lanier stated there will be three Commission hearings on this item including tonight, March 23, 2011 and April 13, 2011. She spoke about the General Plan update that began in 2009 which will be setting the vision and policy for the next 20-25 years for the City. In addition, the City Council's vision with economic development and focusing on the freeway corridors and future economic vitality has been taken into consideration.

Several steps have taken place leading to tonight including: Visioning Workshops, Land Use Workshops, meetings with Los Alamos Hills residents, property owners and CQLM (Citizens for Quality of Life in Murrieta), City Council and Planning Commission Land Use Alternatives Workshops, goals for Healthy Murrieta Workshop; and City Council and Planning Commission General Plan Workshops.

Ms. Lanier spoke about the Land Use focus areas, the General Plan 2035 which include: the Land Use Element, Economic Development Element, Circulation Element, Infrastructure Element, the Healthy Community Element, Conservation Element, Recreation and Open Space Element, Air Quality Element, Noise Element, Safety Element and Housing Element.

Collette Morse, RBF Consulting, gave a presentation on the General Plan Program Environmental Impact Report (EIR). She spoke about the purpose of the California Environmental Quality Act (CEQA), why the EIR is required, program EIR and its advantages, purpose and analysis of the EIR, overview of the draft EIR conclusions, significant unavoidable impacts, alternatives and the EIR process.

Ms. Lanier presented on the recommended Land Use Plan. The focus areas included: North Murrieta Business Corridor, Clinton Keith Mitchell, Golden Triangle North (Central Murrieta), South Murrieta Business Corridor, Multiple Use 3 and the Los Alamos Hills Area. She also spoke about the Historic Murrieta Specific Plan, Land Uses and Zoning and the next steps in the process for adoption.

Commissioner Cohen asked what the intent is for the meeting tonight. Ms. Lanier replied the primary focus is the General Plan and said staff will be taking questions on the EIR. In addition, the community will be able to provide their comments at this meeting as well as the upcoming meetings.

Chair Butler thanked the public for coming out tonight as well as the comments received via email and mail. He noted the public is welcome to submit a letter of memorandum or an email to city staff to be included in the record.

Commissioner Casadonte asked if the intent is to go through a more detailed examination in a public forum outside of public comments because the overview today is very general. Ms. Lanier said it will be up to the Commission on how they want to go through the General Plan. **Chair Butler** suggested the Commission move from the general discussion to more specific as needed. Following this meeting, staff will be given a couple of weeks to work on the Commission and the public's comments.

Commissioner Casadonte asked what the history was with the three additional focus areas. Ms. Lanier replied it was in discussion with the Land Use Subcommittee. He asked if there are any proposed changes to the EIR from the Commission and if it will it be going through an additional review period. Ms. Morse said she hopes there are not any changes and said staff will make sure it is consistent.

Commissioner Cohen spoke about exhibit 3-2 on French Valley and said he could not find the supplement information on this. Ms. Morse replied this reference is directly from the Airport Land Use Plan and said she will look into getting this information. **Commissioner Cohen** spoke about the Circulation Element. Ms. Lanier said the traffic consultant was not able to make it this evening but that all questions will be relayed. **Commissioner Cohen** talked about the Los Alamos Hills area boundary saying it reflects a much smaller area. Ms. Lanier replied the boundary has not been defined and that it will be coming back with the Specific Plan.

Commissioner Kirshberg encouraged to have more water efficiency language in Chapter 6 and to include it as one of the goals. Ms. Morse replied it will overlap the Conservation Element and that it will be referenced. He spoke about Goal 15, INF-1, saying "high threat activities", may not be the best wording. He suggested adding a bullet to this goal to read "disposal of fats, oils and grease". **Commissioner Kirshberg** suggested adding to INF-19, to add "proactively manage their assets in order to maintain". He spoke about adding to the recycled water section a final goal of ground water management for non-potable uses. **Commissioner Kirshberg** spoke about Section 5-15 of the EIR and if all water districts are using the 2006 General Plan Update. Ms. Morse replied when this plan is adopted, the water districts will apply this information to their Growth Management Plan. Ms. Lanier stated the water districts have been sent this information and that there have been some meetings with them where discussion had been made on the proposed changes.

Vice Chair Goodman inquired about eliminating MU-2. Ms. Lanier replied after discussion and ease of future planning, it made sense to combine MU-1, MU-2 and MU-3 and eliminate them all. She elaborated on the Land Use Element 20.6, which is a policy for the Los Alamos Hills area. This area includes 2.5+ acre lots as well as the ability to have live stock. **Vice Chair Goodman** spoke about reducing the fees for upcoming development. Ms. Lanier replied the fee study has recently been updated and several fees were reduced. **Vice Chair Goodman** asked if Murrieta could compete with the Los Angeles and Orange County areas for economic development. Economic Development Director Bruce Coleman said currently, Murrieta competes in the San Diego market but overtime, may be competing with Los Angeles and Orange County. Improvements on Interstate 91 will help with this also. **Vice Chair Goodman** commented on working with universities and colleges. Mr. Coleman said he has been working closely with UC Riverside and is a member of a group called Connect. Murrieta is actively encouraging technical schools to move here and has been working with the Murrieta Valley Unified School District and the Chamber of Commerce.

Action: The Commission recessed at 7:52 p.m. and resumed at 8:06 p.m.

Chair Butler commented there is overlap between the EIR and the General Plan. Ms. Morse stated the Commission has been given a two volume set which are the policy vision and the EIR. **Chair Butler** spoke about Section 3 of both books saying they are related to Land Use. Ms. Lanier relayed there is an overlap of these documents and said the difference between the 2005/2006 General Plan is that this new one will focus on the land use city wide and not just specific areas. **Chair Butler** spoke about the sphere of influence. Ms. Lanier stated staff chose not to reference it in this change and said it is within Riverside County's jurisdiction and that they did receive comments from them. He talked about the North Murrieta Business Corridor and said the main driver of this area is the Loma Linda Hospital which has changed the dynamics in the area. This will provide the opportunity for business and economic development within the hospital location.

Chair Butler asked what the intentions were of the Clinton Keith area. Ms. Lanier replied the vision was to go all the way to Winchester and that it is probably five years out. He spoke about the key issues of this area of trying to figure out how the infrastructure is run and buffering of the different uses. Ms. Lanier stated not all of the residents have agreed on the proposed changes and that many of the residents lifestyles have changed such as keeping the rural residential style.

Ms. Lanier spoke about complimenting the Civic Center area and provided the opportunity of offices in the civic complex. This is the idea behind the MU3 and looking at existing zoning around the undeveloped parcels. **Chair Butler** spoke about the property along Adams and said he would like to have more discussion on this area at the next meeting. Ms. Lanier spoke about the Historic Murrieta Specific Plan saying there will not be any changes made but that they wanted to acknowledge it in the General Plan update. **Chair Butler** stated some of the major issues that they were to look at are the buffering zone, MSJCP and infrastructure. Ms. Lanier replied yes those are some of the main issues that have been outlined in the General Plan. In addition, the City has received proposed goals and policies from CQLM and has incorporated and modified some of them.

Ms. Lanier stated the Housing Element will be brought back in April and once it is completed, it will become a part of the General Plan.

Chair Butler opened public comments.

North Murrieta business corridor

Harvey Baublitz, Murrieta, spoke against any proposed development to this area. He talked about Warm Springs Creek going through his property and asked for information regarding the natural drainage in the area. Mr. Baublitz stated the 1996 Golden City Specific Plan is false regarding the drainage on his property.

Allan Davis, Murrieta, stated the regional commercial zoning of this area will take a long time to absorb. He spoke about the Antelope Road infrastructure and said it is missing from many of the documents.

Clinton Keith/Mitchell

Allan Davis, Murrieta, spoke about the extension on McElwain Lane north to Keller Road. He recommended that McElwain Lane be kept in the Circulation Element.

Golden triangle north (central Murrieta)

M. Robert Carrigan strongly opposes any changes to this area. He would like to speak with Ms. Lanier on how the proposed changes would benefit Murrieta. Mr. Carrigan said it is unfair to be grouped in a different zoning category that can have impact on the value of his property.

Carol Kravagna Hanson, Murrieta, said she does not want her land to be rezoned because there is land similar to hers across town zoned the same. She said a moratorium had been placed on her property.

South Murrieta Business Corridor

Allan Davis, Murrieta, spoke about issues along the vertical alignment along Madison Avenue.

Multiple Use-3

TJ Rossi, TPAC LLC, spoke in favor of the MU3 zoning. He owns APN 906-060-049 and said the intention for this property was to have a mixed use with retail. He does not want to be locked into office and research zoning.

Los Alamos Hills

Mary Ann Miller, CQLM, spoke about the lack of the Los Alamos Hills boundary and has asked the City Council for an inclusion before the adoption of the General Plan.

Joyce Dodd, CQLM, spoke about the high density issue on Site 5 and 6. He was told by a Councilman in January not to worry about these sites since they were removed from consideration from high density. Ms. Dodd stated they were only removed by the proposed specific plan boundary.

Max Miller, CQLM, spoke about several goals of CQLM and said they have applied for insertion into the General Plan.

Michael O'Donnell, CQLM, said Los Alamos Road is the only public road in that area and that infrastructure is very important to the residents in that area. He said in the EIR, LU-16 is not conducive for this area to get infrastructure.

Jim Kelly, CQLM, asked that the stake holder have time to develop with the MSHCP.

Anne Lindsley, CQLM, spoke about not being able to subdivide their land or build a granny flat. She asked that the Los Alamos Hills Specific Plan be put on the March 23rd agenda and be included in the General Plan.

Larry Markham, Murrieta, said he is not in support of being included in the Los Alamos Hills Specific Plan.

Historic Murrieta Specific Plan and General Plan and EIR

Ann Borel, Murrieta, spoke about the MSHCP and the HCP relationship.

Action: The Commission recessed at 9:35 p.m. and resumed at 9:45 p.m.

Ms. Lanier relayed the traffic consultant as well as the interim traffic consultant will be attending the next meeting. She noted the changes discussed on the designation and said the main focus on the General Plan was to have a guided document. Ms. Lanier referenced the Housing Element and said it will be brought back in April or May. She also will be responding to CQLM.

Commissioner Casadonte said he would like to have further discussion on economic development, projections of jobs related to the development and population, the EIR and its relation to the French Valley Airport and the impact with mitigation.

Commissioner Cohen asked if the Commission could get two versions of the current and proposed zone changes as well as maps with the lands use versus zoning. Ms. Lanier replied it will be brought back to the Commission. **Commissioner Cohen** asked if there is information for the Commission to show if the zone changes and development is the right move. Ms. Lanier replied there is a disc under the Technical Appendices which shows fiscal analysis and an Economic Development report. **Commissioner Cohen** expressed frustration there is not a specific plan for the Los Alamos Hills area and would like to get more information on this.

Commissioner Kirshberg asked why there is not a specific Plan for Los Alamos Hills. Ms. Lanier said staff is not opposed to a specific plan for that area and that CQLM is looking at preparing a Specific Plan. **Commissioner Cohen** would like to ensure that the General Plan references the creation of the Los Alamos Hills Specific Plan and the goals support the future creation of this specific plan.

Vice Chair Goodman spoke about the specific plan. Ms. Lanier replied staff has included a provision in the EIR to accommodate the growth the CQLM group is proposing. They fully anticipate the development of the Specific Plan in an environmental period.

Chair Butler spoke about the concerns expressed of the boundaries being shrunk and the effect the elimination of MU2 and MU3 will have on the parcels.

Action: A motion was made by **Commissioner Cohen**, seconded by **Commissioner Kirshberg,** to continue this item to the next regular scheduled Planning Commission meeting on March 23, 2011.

AYES:	Casadonte, Cohen, Kirshberg, Goodman and Butler
NOES:	None
ABSENT:	None
ABSTAIN:	None

CITY PLANNER REPORT

None

CITY ATTORNEY REPORT

None

PLANNING COMMISSION REPORTS

Commissioner Cohen thanked staff and Ms. Morse for the information provided this evening.

Vice Chair Goodman stated he may not be able to attend the next meeting.

Chair Butler relayed he will not be present at the April 13 meeting. He thanked Vice Chair Goodman for opening the meeting in his absence.

ADJOURNMENT

The meeting was unanimously adjourned at 10:11 p.m. on a motion by Casadonte and seconded by Cohen to the Regularly Scheduled meeting of the Planning Commission to be held on Wednesday, March 23, 2011 at 6:00 p.m. in the City of Murrieta Council Chambers, One Town Square, 24601 Jefferson Avenue, Murrieta, California.

Commission Chairman

Lorie Abeles
Commission Secretary

Commission approved minutes on April 13, 2011

MINUTES

MURRIETA PLANNING COMMISSION
ONE TOWN SQUARE, 24601 JEFFERSON AVE.
MURRIETA, CA

MARCH 23, 2011 – 6:00 P.M.
REGULAR MEETING

CALL TO ORDER **Chair Butler** called the meeting to order at 6:11 p.m.

ROLL CALL

Present:	Casadonte, Cohen, Kirshberg and Butler
Absent:	Goodman
Staff Present:	Mary Lanier, Community Development Director; Cynthia Kinser, City Planner; Prescilla Dugard, Assistant City Attorney; Collette Morse, Project Manager with RBF Consulting; Janet Harvey, Iteris; Pat Thomas, Public Works Director; Bob Moehling; Engineering Manager; Brian Stephenson, Contract Traffic Engineer; Adam Huber, IS Technician II; Lorie Abeles, Secretary; and Kathleen Shubin, Minutes Clerk.

PLEDGE OF ALLEGIANCE

Chair Butler led in the Pledge of Allegiance.

AGENDA REVIEW

Chair Butler reviewed the agenda.

Action: A motion was made by **Commissioner Cohen** and seconded by **Commissioner Kirshberg** to approve the agenda.

AYES:	Casadonte, Cohen, Kirshberg and Butler
NOES:	None
ABSENT:	Goodman
ABSTAIN:	None

APPROVAL OF MINUTES

Action: A motion was made by **Commissioner Casadonte** and seconded by **Commissioner Kirshberg** to approve the Planning Commission minutes of February 23, 2011.

AYES:	Casadonte, Cohen, Kirshberg and Butler
NOES:	None
ABSENT:	Goodman
ABSTAIN:	None

PUBLIC COMMENTS

Mayor Randon Lane spoke to the Commission about his past experience on the Planning Commission. He thanked the Commissioners for all their hard work and effort they have given while serving on the

Commission. **Chair Butler** thanked the Mayor for speaking to the Commission.

CONTINUED PUBLIC HEARING

1. **GENERAL PLAN AMENDMENT 2009-2841 (GENERAL PLAN 2035):** The General Plan 2035 is a comprehensive update to the 1994 General Plan, which includes an update to existing elements, as well as the addition of two elements. Environmental Determination: The project has been determined to require an Environmental Impact Report (EIR) pursuant to the Guidelines for Implementation of the California Environmental Quality Act (CEQA), California Code of Regulations (CCR) Title 14. A Draft Environmental Impact Report (DEIR) was prepared for the project and is being circulated for a 45-day public review from February 8, 2011 to March 24, 2011.

Chair Butler suggested making a change to the procedure on this item. He would like the Commission to consider taking the public comments before the Commission moves into questions and discussion. There was a consensus with the Commission to take public comments after staff's presentation.

Ms. Lanier relayed what staff will be discussing tonight. These include: review of the four elements-Circulation, Infrastructure, Conservation and Safety; French Valley Airport; reviewing the Environmental Impact Report; and responding to Los Alamos Hills questions/comments from the March 9th hearing.

Janet Harvey, Iteris Consultant, spoke about the Circulation Element analysis methodology and results. She gave the FAQ's about the models which included the travel demand model process that is a standard four-step model that covers: trip generation, trip distribution, mode choice and traffic/transit assignments.

Collette Morse, RBF Consulting, reported on the Infrastructure, Conservation and Safety Elements and spoke about the synergies between their policies. In the Infrastructure element, Ms. Morse talked about the service gaps and the City roles. She spoke about the Conservation Element and the existing measures within the natural environment, built environment, and the goals and policies to supplement them. Ms. Morse talked about the Safety Element and the natural and manmade hazards along with the goals and policies to address such hazards including emergency preparedness and response.

Ms. Morse talked about the French Valley Airport addressed in the Land Use, Noise and Safety Elements. She also spoke about the Riverside County Airport Land Use Compatibility Plan and the French Valley Airport. Ms. Morse covered the General Plan Program Environmental Impact Report and the 2035 statistics and focus area growth projections. She talked about the advantages of a program EIR and what is analyzed in the General Plan EIR. Ms. Morse gave an overview of the Los Alamos Hills questions and comments including what the difference is between the General Plan and the Specific Plan.

Ms. Lanier stated the responses to the EIR will be compiled and discussed at the next Planning Commission meeting.

Action: The Commission recessed at 7:25 p.m. and resumed at 7:41 p.m.

Chair Butler opened the public comments.

Circulation Element:

Matt Livingston, Murrieta, spoke about the property he owns on Whitewood and Murrieta Hot Springs and the potential extension of that road. He said it will affect the neighborhood and financially cost the property owners and the City.

Ken Wood, Murrieta, lives on the area where the Whitewood extension is being proposed. He said this will bring a considerable amount of traffic in this area and will impact the schools. Mr. Wood suggested the Commission disregard the expansion of Whitewood and rely on the extension of Jackson Road.

Allan Davis, Murrieta, spoke about Linnel Lane north to Keller Road and suggested they include the McElwain Road extension all the way to Keller Road. He spoke about the city standards for roads and thought they were a Level "D" or better, not a Level "C". Mr. Davis also talked about the program EIR and said if you have an overriding considerations and an intersection that fails or fails in the future at an "E" or a "F" level that staff will rely on an EIR, MND or future projects and that it can not be worse then a "F". He received clarification from staff that it is their intent to not be levied with the entire mitigation requirement that need to been with this General Plan with an "E" or a "F".

Martin Coronado, Murrieta, presented the Commission with a petition of residents opposing the widening of Whitewood Road. He said there is very little benefit to widening the street and expressed concern over the safety of the children in the area.

Larry Markham, Murrieta, agreed with Mr. Davis' comments and spoke about the French Valley Airport. He would like to incorporate the Comprehensive Land Use Plan to avoid cases on having to go back to the County Aviation Land Use Commission. Mr. Markham will be submitting written comments on the Conservation Element to staff.

General Plan:

TJ Rossi, TPAC LLC, spoke about his property and the proposed MU-3 to be rezoned to Office and said that it will hinder what they are planning on developing on their property.

John Dechert, Murrieta, suggested the City look at adding language in the General Plan to incorporate landscaping with native plants that require little or no water.

MaryAnn Miller, CQLM, spoke about the need to have the boundaries mapped out for the Los Alamos Hills area in order for them to have a cost analysis done for the rural road standard and all the infrastructure.

Michael O'Donnell, CQLM, relayed they have spoke with Mr. Markham about his property and said the only concern is that the City will require his project to change their design plans. He suggested

staff take their time on the General Plan so that there is no waste of resources. Mr. O'Donnell said the Los Alamos Hills Specific Plan must be completed now, before the General Plan is adopted by the City Council.

Circulation Element:

Commissioner Casadonte asked if there is another cross town route alternative for the east end portion of Murrieta. Ms. Lanier replied Clinton Keith is proposed to go through from I-215 to Winchester. Mr. Thomas said they are planning on extending Keller Road in the Circulation Element. **Commissioner Casadonte** talked about the population projections and the creation of new jobs. Mr. Thomas stated they plan on creating a more equal housing to job balance and have current residents work within the City.

Commissioner Cohen asked how realistic the proposed enhancement with the General Plan is. Mr. Thomas said they looked at the physical opportunities for them and think it is possible to make those enhancements at those intersections. **Commissioner Cohen** spoke about McElwain Road going through to Keller Road. Mr. Thomas replied the Circulation Element shows McElwain Road not extending past Linnell Lane but if there is development in that area in the future, the extension could be added to the General Plan. Mr. Thomas said they will be renaming the new Antelope Road and keeping the old Antelope Road name just that. **Commissioner Cohen** asked what is acceptable for the City Standard. Mr. Thomas replied it is A, B and C for road segments and A, B, C and D for intersections. He said the extension of Keller Road to Winchester will be added to the Circulation Element in the future.

Commissioner Kirshberg asked why a similar analysis was not done to storm drainage. Mr. Thomas replied a storm drain master plan had been done in the past and that local storm drains are part of the development of the areas. **Commissioner Kirshberg** asked if the enhanced geometrics feed into the road CIP. Mr. Thomas commented when the new General Plan is approved, new DIF fees will be completed. **Commissioner Kirshberg** spoke about the circulation impact in regards to the EIR and the deficiencies in the Circulation Element and communicating with other agencies. Mr. Thomas said they have met with the local water districts and other agencies. Ms. Lanier stated they are letting the local utility and water districts know of the City's proposed changes to the land use so they can prepare themselves. **Commissioner Kirshberg** talked about the Whitewood extension and the impact on it if the Traffic Circulation Element included Whitewood. Ms. Harvey replied when the Whitewood extension is not included in the element, there is poor service in that area.

Chair Butler spoke about the Whitewood and Murrieta Hot Springs intersection and the difference between the recommended scenario and recommended enhance geometrics. Mr. Thomas said they continue to look at ways to improve the level of service in circulation.

Commissioner Kirshberg asked why the enhancements for item 5-7 of increasing the time at an intersection are recommended. Ms. Harvey replied there are times where the level of service works there may be a slight increase. Also, with the addition of a left turn lane, it will make the intersection safer.

Chair Butler asked what the difference between Table 5-6 and 5-7 are. Ms. Morse replied Table 5-6 represents build out to the proposed General Plan before any geometrics. **Chair Butler** suggested having a program in place for connecting bike trails. He commented the McElwain Road extension to Keller Road is not part of the Circulation Plan. Mr. Thomas said it is unknown since it not certain what will be developed in the area.

Commissioner Casadonte talked about the French Valley Parkway. Mr. Thomas said that freeway interchange is taken to account and talked about Date Street intersecting with Jefferson and Cherry Street. In addition, he spoke about the extension to Winchester. He said the city's model is a subset of the regional model and that all of the potential future development is taken into account in the Circulation Model.

Action: The Commission recessed briefly at 9:11 p.m. and resumed at 9:24 p.m.

Safety:

Commissioner Casadonte asked what the fire and police service looks like in 2035. Ms. Morse said she has spoke with both departments and they have acknowledged there is some deficiency now and that they are striving to make it better. **Commissioner Casadonte** asked if there is a substation for the police or an additional fire station toward the eastern side of Murrieta. Ms. Lanier said there is a police substation proposed in the Regency project. There is discussion for a potential Fire Station 6 as the area develops. Fire Chief Matt Shobert said Fire Station 6 is proposed in the area of Leon Road and Winchester and with that location built, should provide adequate amount of stations for long term response. **Chair Butler** expressed his concern about emergency access at the Vineyard development behind Murrieta Valley High School. Mr. Thomas said Fire Station 5 is close to the future Vineyard Parkway. Fire Chief Shobert said the city has adopted the Wild Land Urban Interface Codes that addresses many of these issues. **Chair Butler** spoke about the earthquake fault zone, the liquefaction zone and the flood zone coinciding along the Washington corridor and problems that may occur in the future.

Conservation Element:

Commissioner Cohen asked if there are any issues with endangered species in Murrieta. Mr. Thomas replied there are some areas with native species. **Commissioner Cohen** said it makes sense to have a policy dealing with endangered species.

Commissioner Kirshberg spoke about the PQP Land and the Conservation Elements with it. Ms. Morse said the map was pulled directly from the MSHCP.

Commissioner Kirshberg inquired about the Riverside policy areas. Ms. Lanier replied the PQP are part of the original land with the MSHCP. These are publicly owned land where development can not occur.

Commissioner Butler talked about the goals to protect native trees. Ms. Lanier said they have goals for plant and water conservation and that the water efficiency ordinance has been approved by the City Council and does include native plants. **Chair Butler** asked if the Municipal Code has enough

language about protecting the ridge lines. Ms. Lanier said they will be updating the Municipal Code and will be visiting the hillside revisions to the Development Code. She included most ridgelines are within Riverside County jurisdiction and they have a Hillside Ordinance. **Chair Butler** spoke about alternative energy and making wind turbines feasible in terms of the permitting process. He would like the city to encourage the use of both solar and wind alternative resources.

Infrastructure:

Commissioner Casadonte asked if the city has looked at impact in terms of infrastructure in ways of mitigating infrastructure development and/or improvements that would help offset potential damages as a result to some seismic activity. Mr. Thomas replied there are development standards that require a set back and fault zone. In addition, the Building Code has strict requirements. **Commissioner Casadonte** inquired if there are height limitations in term of buildings that can affect infrastructure capacities or capabilities. Ms. Lanier said they are anticipating along the new Antelope corridor, to go 10 plus stories. In addition, high rise buildings will be placed in the northern corridor. Ms. Lanier stated the focus areas need significant infrastructure, facilities and the three primary areas that are focus areas. She said infrastructure will be installed by developers as development comes into the area and will be the primary source of getting infrastructure in that area.

Action: On a motion by **Commissioner Cohen,** and seconded by **Commissioner Kirshberg,** the meeting was continued past 10:00 p.m. It passed unanimously.

Commissioner Cohen talked about the water district service area boundaries and the keyhole area. Ms. Lanier said there is a process to annex into the water districts. **Commissioner Cohen** spoke about CQLM and their concerns of potential conflicts with their goals. Ms. Lanier replied when focusing on increasing density, you need to focus on the development of areas that have infrastructure. When there is a subdivision that is developed in an area where there is no sewer lines or water lines, the developer needs to bring all the utilities to that area.

Commissioner Kirshberg spoke about the new growth in terms of what agency the water usage is in. Ms. Morse said they did contact the four water districts and we may not have received all of the information from them. They will be following up with them. **Commissioner Kirshberg** suggested breaking the findings down to single family versus multifamily and to use Rancho California Water District to generate the numbers for the waste water usage.

Chair Butler talked about having a more efficient water system. Ms. Morse replied it is important to show the correct boundaries and that they will be putting together a more accurate map.

Action: A motion was made by **Commissioner Casadonte**, seconded by **Commissioner Cohen,** to continue this item to the next Special Planning Commission meeting on April 6, 2011.

AYES:	Casadonte, Cohen, Kirshberg and Butler
NOES:	None
ABSENT:	Goodman
ABSTAIN:	None

CITY PLANNER REPORT

Ms. Kinser anticipates the Commission will have a recommendation to give to the City Council on the General Plan at the April 27th Planning Commission meeting.

CITY ATTORNEY REPORT

None

PLANNING COMMISSION REPORTS

Chair Butler reminded the Commission that the deadline to submit their 700 forms is March 31st.

ADJOURNMENT

The meeting was unanimously adjourned at 10:28 p.m. on a motion by Casadonte and seconded by Cohen to the Special meeting of the Planning Commission to be held on Wednesday, April 6, 2011 at 6:00 p.m. in the City of Murrieta Council Chambers, One Town Square, 24601 Jefferson Avenue, Murrieta, California.

Thomas W. Butler
Commission Chairman

Lorie Abeles
Commission Secretary

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MINUTES

MURRIETA PLANNING COMMISSION
ONE TOWN SQUARE, 24601 JEFFERSON AVE.
MURRIETA, CA

APRIL 6, 2011 – 6:00 P.M.
SPECIAL MEETING

CALL TO ORDER **Chair Butler** called the meeting to order at 6:12 p.m.

ROLL CALL

Present:	Casadonte, Kirshberg, Goodman and Butler
Absent:	Cohen
Staff Present:	Mary Lanier, Community Development Director; Cynthia Kinser, City Planner; Priscilla Dugard, Assistant City Attorney; Bruce Coleman, Economic Development Director; Greg Smith, Senior Planner; Colby Diuguid, Recreation Supervisor; Lorie Abeles, Secretary; Adam Huber, IS Technician II; and Sarah Manwaring, Assistant City Clerk.

PLEDGE OF ALLEGIANCE

Vice Chair Goodman led the Pledge of Allegiance.

AGENDA REVIEW

Chair Butler reviewed the agenda.

Action: A motion was made by **Commissioner Casadonte** and seconded by **Vice Chair Goodman** to approve the agenda and to continue the approval of the minutes to the April 13, 2011 meeting.

AYES:	Casadonte, Kirshberg, Goodman and Butler
NOES:	None
ABSENT:	Cohen
ABSTAIN:	None

PUBLIC COMMENTS

Robert Carrigan, Murrieta, thanked City staff for speaking to him about the proposed zone changes in the area near his property.

CONTIUED PUBLIC HEARINGS

1. **General Plan Amendment 2009/2841 (GENERAL PLAN 2035):** The General Plan 2035 is a comprehensive update to the 1994 General Plan, which includes an update to existing elements, as well as the addition of two elements. 1. Environmental Determination: The project has been determined to require an Environmental Impact Report (EIR) pursuant to the Guidelines for Implementation of the California Environmental Quality Act (CEQA),

California Code of Regulations (CCR) Title 14. A Draft Environmental Impact Report (DEIR) was prepared for the project and is being circulated for a 45-day public review from February 8, 2011 to March 24, 2011.

Stan Hoffman, Hoffman and Associates, presented on economic trends and conditions. He discussed Murrieta's sub-regional strategic location, demographic characteristics and trends, analysis of Murrieta's economic base, public revenue/public service trends and strategic approach to economic growth. Mr. Hoffman spoke about export base jobs and identifying key industry sectors, employment growth and education.

Commissioner Casadonte asked to have export based jobs described. Mr. Hoffman said they divided economic jobs into export base and local servicing. The manufacturing and professional technical jobs provide services or products that could be sold in another region. **Commissioner Casadonte** asked how many jobs are targeted in the Super Target area. Mr. Hoffman replied around 800 jobs are expected in this 400,000 square foot area. **Commissioner Casadonte** spoke about the percentage of commuters. Mr. Hoffman said Murrieta has a high commuter rate and that only 13% of those employed work within the City.

Commissioner Kirshberg talked about looking at local education opportunities not only in Murrieta but in cities near Murrieta. Ms. Lanier replied there are several educational facilities nearby including: San Jacinto College, Murrieta Education Center and Cal State San Marcos. The City of Murrieta is also in a partnership with the City of Temecula, Temecula Unified School District and Cal State San Marcos to provide more educational opportunities in the area.

Vice Chair Goodman asked about the sub region reference. Mr. Hoffman replied it is made up of four communities. These include: Temecula, Murrieta, Menifee and Corona. **Vice Chair Goodman** spoke about the ratio of jobs in Murrieta saying the statistics showed only 15,941 jobs in 2009. Mr. Hoffman said these numbers were from the Employment Development Department which tracks people that register jobs. This does not include the self-employed in Murrieta which could be 4-5%. **Vice Chair Goodman** talked about focusing on jobs that do not need college degrees such as mechanics or plumbers. Ms. Morse, of RBF Consulting, replied they have a policy that deals with these topics specifically to provide technical training. Mr. Coleman said there are education components that are critical to the City including a four-year university. The City has partnered up with the school district to put together international events for students to show them what types of jobs are prevalent in the world today.

Chair Butler spoke about the focus being retail manufacturing and office professional. Mr. Hoffman said yes they are, along with retail, accommodations and hotels. These all have economic and fiscal components. **Chair Butler** spoke about the school district and education. Mr. Coleman replied Murrieta is known for its great schools and scores. **Chair Butler** asked what the city can do to promote retail business. Mr. Hoffman said visibility and accessibility is very important. Mr. Coleman stated the city should focus on retail and that it should not be spread out too much.

Chair Butler spoke about matching land use with retail, and having pre-approved EIR's. Mr. Coleman replied this is a major, but great investment for the city. Mr. Hoffman said pre-approved EIR's are a good incentive and said it helps to streamline the permitting or development process.

Chair Butler asked about mixed use. Ms. Lanier said they looked at mixed use in a land use perspective and that they will be looking to create a mixed use area in the future.

Commissioner Casadonte asked if there were statistics on the cost of labor. Mr. Hoffman said they looked at the average wages but did not do a comparison. He said the medium for wages are around $80,000 and that Murrieta has diversity in its labor force.

Action: The Commission took a brief recess.

Healthy Community/Recreation and Open Space Element:

Pam Arifian, RBF Consulting, gave a presentation on the Healthy Community Element. Items she discussed where: national trends, U.S. obesity statistics, key healthy planning concepts, health in the General Plan process, existing conditions and the Healthy Community Element.

Collette Morse, RBF Consulting, spoke about the Recreation and Open Space Element which included discussion on: identifying recreation and open space opportunities, establishing goals and policies, parkland needs, recreation facility needs, recreation program needs, other needs and trails and bikeways.

Commissioner Casadonte spoke about the median age. Ms. Morse said Murrieta will have an older age median age in the future based on the information and trends. **Commissioner Casadonte** asked if there will be any impact to emergency service access and response time in the future. Ms. Morse replied they have been having meetings with local providers to make sure there is adequate accessibility. **Commissioner Casadonte** inquired if there is a defined center of population in the city. Ms. Lanier said in about 10 to 15 years a more dense population will be in the central part of the city.

Commissioner Kirshberg suggested adding to the introduction of the Healthy Community section ages "and levels" of youth. He would like to address the special needs in the community and asked if there are other goals to address this. Ms. Morse said the collaboration with local communities is the only policy addressing this. **Commissioner Kirshberg** said the city needs to be more proactive with this. Mr. Diuguid stated the city currently offers alternative recreation programs for special needs adults and is working with the Autism Society. He said there is not a lot of need for services for youth since they get it through the schools.

Commissioner Goodman spoke about bicycle usage and suggested having businesses install a bicycle rack outside of their business. Ms. Lanier replied this provision can be added in the Healthy Community section or in the Circulation Element.

Chair Butler suggested including the northeast and southeast corner of Calle Del Oso Oro and Washington to the Parks and Open Space section since it would be an ideal lot and location. He asked about the Equestrian Center. Mr. Diuguid said it opened in October 2010 and has recently been in its rainy season but will be hosting many shows in the next couple of months. He noted that the center is one of the very few public owned horse arenas in the area and has the potential to become self sustaining.

Vice Chair Goodman inquired if there is only one public pool at California Oaks Park. Mr. Diuguid replied yes and that there is a need for another pool in the future and that Los Alamos Hills Park is planned to have a pool.

Action: The Commission took a brief recess.

Air Quality and Climate Control Action Plan:

Eddie Torres, RBF Consulting, presented on the Air Quality and Climate Control Action Plans. Items in the Air Quality Element where: recognizing air quality as a regional issue, considering the relationship between land use and air quality and establishing goals and policies. Mr. Torres spoke about the Climate Action Plan which included discussion on the community-wide and municipal emissions, Greenhouse Gas Emissions (GHG) inventory, reduction targets, GHG reduction measures and implementation.

Chair Butler asked if the Climate Control Action Plan is an Element. Mr. Torres replied it is not, but is a cohesive plan that can be easily incorporated with the element.

Commissioner Casadonte spoke about the data from the electric and gas providers. Mr. Torres said the data was used to get the natural gas emission numbers. **Commissioner Casadonte** said he did not see any sites along the eastern portion monitored for noise. He also suggested getting some baseline number relative to the existing conditions for airport noise.

Commissioner Kirshberg asked what the definition of a clean project was. Mr. Torres replied it is a product that emits lower levels of volatile organic compounds that react to organic gases. **Commissioner Kirshberg** spoke about the electricity levels and where the amounts came from.

Chair Butler said it is a very ambitious goal to have 15% less emissions within the city in the future. Mr. Torres said this is a living document and will need to be updated. **Chair Butler** would like the city to avoid heavy regulations on alternative energy sources such as solar or windmills.

Ms. Lanier reported the Riverside County Economic Development Agency and the Airport Land Use Commission are preparing the Airport Compatibility Plan which will be looking at land use and noises in relation to the airport. This information will be completed in July and will coincide with the final actions of the General Plan. In addition, staff is preparing the Response to Comments documents.

Ms. Lanier relayed staff is preparing the Mitigation Monitoring Program and is anticipating there will be findings and will be adopted by the City Council. This information will be brought to the Commission at the next meeting. Staff is looking to have this item continued to the May 11th Planning Commission meeting and bringing it to the City Council around July 1st.

Action: A motion was made by **Commissioner Kirshberg,** seconded by **Commissioner Casadonte** to continue this item to the May 11, 2011 Planning Commission Meeting.

AYES:	Casadonte, Kirshberg, Goodman and Butler
NOES:	None
ABSENT:	Cohen
ABSTAIN:	None

CITY PLANNER REPORT

Ms. Kinser relayed BMW is planning on opening in May. She said the Alcoholic Beverage Sales Ordinance was brought forward to the City Council, and with a few minor modifications, introduced and will be brought back for a second reading at their next meeting.

CITY ATTORNEY REPORT

None

PLANNING COMMISSION REPORTS

Commissioner Casadonte asked for verification on the dates of the next meetings. Ms. Lanier replied the General Plan will be brought back to the Planning Commission on May 11th and that a separate hearing will be done with the City Council. Ms. Kinser indicated the City Council will be receiving all the Planning Commission minutes.

Vice Chair Goodman asked if there will be a regularly scheduled Planning Commission meeting on April 27th. Ms. Kinser said she will let the Commission know if there is.

Chair Butler relayed he will not be present for the April 13th Planning Commission meeting. He was happy to hear from Mr. Carrigan during public comments and that he got his answer from staff.

ADJOURNMENT

The meeting was unanimously adjourned at 9:42 p.m. on a motion by Goodman and seconded by Kirshberg, to the next Regularly Scheduled meeting of the Planning Commission to be held on Wednesday, April 13, 2011 at 6:00 p.m. in the City of Murrieta Council Chambers, One Town Square, 24601 Jefferson Avenue, Murrieta, California.

Thomas M Butler
Commission Chairman

Lorie Abeles
Commission Secretary

MINUTES

MURRIETA PLANNING COMMISSION
ONE TOWN SQUARE, 24601 JEFFERSON AVE.
MURRIETA, CA

JUNE 8, 2011 – 6:00 P.M.
REGULAR MEETING

CALL TO ORDER **Chair Butler** called the meeting to order at 6:05 p.m.

ROLL CALL

Present:	Casadonte, Cohen, *Goodman, Kirshberg and Butler
Absent:	None
Staff Present:	Mary Lanier, Economic Development Director; Cynthia Kinser, City Planner; Prescilla Dugard, Assistant City Attorney ;Collette Morse, RBF Consulting; Bob Moehling, Engineering Manager; Brian Stephenson, Contract Engineer; Adam Huber, IS Technician II; and Kathleen Shubin, Minutes Clerk.

***Vice Chair Goodman** arrived at 6:43 p.m.

PLEDGE OF ALLEGIANCE

Commissioner Cohen led in the Pledge of Allegiance.

AGENDA REVIEW

Chair Butler reviewed the agenda.

Action: A motion was made by **Commissioner Cohen** and seconded by **Commissioner Casadonte** to approve the agenda.

AYES:	Casadonte, Cohen, Kirshberg and Butler
NOES:	None
ABSTAIN:	None
ABSENT:	Goodman

PUBLIC COMMENTS

None

APPROVAL OF MINUTES

Action: A motion was made by **Commissioner Casadonte** and seconded by **Commissioner Kirshberg** to approve the minutes of May 25, 2011.

AYES:	Casadonte, Cohen, Kirshberg and Butler
NOES:	None
ABSTAIN:	None
ABSENT:	Goodman

CONTINUED PUBLIC HEARING

1. **GENERAL PLAN AMENDMENT 2009-2841 (GENERAL PLAN 2035).** The General Plan 2035 is a comprehensive update to the 1994 General Plan, which includes an update to existing elements, as well as the addition of two elements. Environmental Determination: The project has been determined to require an Environmental Impact Report (EIR) (SCH# 201011084) pursuant to the Guidelines for Implementation of the California Environmental Quality Act (CEQA), California Code of Regulations (CCR) Title 14. A Draft Environmental Impact Report (DEIR) was prepared for the project and is being circulated for a 45-day public review from February 8, 2011 to March 24, 2011.

Ms. Lanier gave a presentation on this item. She discussed the following topics: a recap of the General Plan 2035 Process, Whitewood extension, Airport Land Use Commission and EIR response to comments.

Ms. Morse spoke about the commissions and public comments on the General Plan. She talked about the Whitewood Road extension, McElwain Road extension, Riverside County Airport Land Use Commission, individual property owner requests to not change land use designation and the Los Alamos Hills area. Ms. Morse discussed the Errata for the final General Plan 2035 and the implementation. She spoke about the Environmental Impact Report including analysis, comments and the final document.

Ms. Lanier relayed the Pechanga Tribe has requested a two week delay on this item based on their concerns regarding cultural resources. She said their concerns are more project specific and that staff does not recommend the inclusion of these on the General Plan but that staff is willing to work with the tribe. In addition, the City of Menifee has written a letter referencing Scott Road. Ms. Lanier said their comments are not General Plan issues and that they will be working with the City of Menifee staff.

Commissioner Casadonte spoke about the EIR and the ultimate goal. Ms. Morse replied the EIR is currently a two volume set and said that after the final certification, there will be one volume. She said the certification happens when the City Council adopts the General Plan. **Commissioner Casadonte** inquired about the Airport Land Use recommendations. Ms. Lanier said there is reference to it in the General Plan and that maps will be made available for public viewing. She also spoke about the Airport Land Use Commission and the need for them to sign off on the General Plan. They had asked for a number of policies to be added to the plan. Ms. Morse said there were no land use changes adjacent to the airport.

Commissioner Kirshberg spoke about the TOD and said he liked the changes made.

Commissioner Cohen asked for clarification on some wording in the General Plan.

***Vice Chair Goodman** arrived at 6:43 p.m.

Commissioner Cohen inquired about the Conservation Element and the protection of evasive species. Ms. Morse replied it is not part of the importance issue and that is why it was not included. Ms. Lanier said they could include it. **Commissioner Cohen** spoke about the Whitewood extension. Ms. Lanier

said staff is recommending continuing with the extension.
Chair Butler talked about the Whitewood extension and the affect on surrounding streets and circulation. He spoke about the MU-3 zoning and the Los Alamos Hills area as well.

Vice Chair Goodman commented on the Airport Land Use Compatibility Plan with the EIR.

Action: The Commission recessed at 7:35 p.m. and resumed at 7:47 p.m.

Chair Butler opened the public comments.

Pamela Sapetto, CD Murrieta LLC, commented on economic development on the transit oriented mixed use and suggested the City look at mixed use and transit oriented use in the Golden Triangle area. She spoke on behalf of the Murrieta Villas, saying their location has been designated as open space in the General Plan. Her clients believe the original designation of the pre-corridor could still be implemented with the development of this parcel. They are not in support of designating this area as open space.

Bud Spresney, Cerritos, submitted a copy of his comments for the record.

Anna Hoover, Cultural Resource Representative for the Pechanga Tribe, spoke about their concerns with the MMRP, saying the mitigation measures are vague and that future consultants may be confused with the mitigation measures. They are asking for a continuance of this item to work with Planning staff.

Matt Livingston, Murrieta, owns a 10-acre parcel at Creekside Village and spoke in opposition of the Whitewood extension.

TJ Rossi, TPAC LLC, spoke about his property on Kalmia and Jefferson and spoke in opposition of the rezoning of his parcel to office/research.

Brett Bozeman, Murrieta, expressed his concerns of safety and property value with the possible Whitewood extension.

Luis Torres, Murrieta, spoke in opposition of the Whitewood expansion saying it will not be safe for children and that there will be an issue of commercial vehicles traveling the road. In addition, he spoke about the air quality and noise. He suggested continuing with the connection of Ynez and Jefferson and seeing if there are any problems with this before extension Whitewood.

Mary Ann Miller, CQLM, expressed concern that the Los Alamos Hills Specific Plan is not included with the General Plan. She encouraged staff to complete the General Plan goals and policies for the Los Alamos Hills Specific Plan and work with CQLM.

Max Miller, CQLM, submitted letters from the Los Alamos Hills Specific Plan to the Commission. He said the key issues for this area are funding and Los Alamos Hills Road.

Kitty Hoole, Murrieta, said having six lanes on Jefferson is not a necessity. She suggested having traffic go down Washington and up Kalmia Street since there is already commercial use along that route.

Barbara Redmund, Murrieta, spoke about property she has along Mitchell Road and Clinton Keith. She would like this parcel to be included in the zone change.

Jose Savinovich, Murrieta, talked about the EIR and the trucking lanes saying he is opposed to having commercial usage along a residential area.

Garry Boltz, Murrieta, spoke in opposition of the expansion of Jefferson saying there are other options.

Chair Butler closed the public comments.

Ms. Lanier clarified on the discussion on the MSHCP that there is a policy in the General Plan to propose an implementation program and to provide incentives. She spoke about the TOD and the Golden Triangle saying staff is not proposing a TOD in Golden Triangle North and that the parameters are included in the General Plan. There are no TOD's proposed anywhere in the City.

Ms. Lanier spoke about the Murrieta Villas property saying it currently has an open space designation and that they did not identify it as a land use change. She talked about the discussions staff has had with the Pechanga Tribe. Staff does not recommend including their suggestions in the General Plan since they are much more specific than what staff would like to include. City staff would like to work with them before this item is brought forward to the City Council.

Ms. Lanier talked about the Whitewood extension analysis and the traffic impact. Staff is in support of the Whitewood extension. She spoke about the Los Alamos Hills area saying staff has included some of their goals in the General Plan and think they are appropriate for the General Plan. Ms. Lanier commented on the widening of Jefferson which has been proposed to go through and connect to Wildomar. She said this has been in the General Plan for years and that Murrieta is working with the surrounding cities in the planning of this corridor. Mr. Stephenson said the addition to a six lane road is primarily to connect all the way from Temecula to Wildomar. The EDT is 40,000 along this road, which is greater than a four-lane highway can handle. Ms. Kinser included the majority of Jefferson is a six lane road and that there is a small area where it goes to four lanes. She said Jefferson is built to accommodate a six-lane road.

Commissioner Casadonte asked if the noise levels for the French Valley Airport are based on current volumes. Ms. Morse replied yes they are based on the existing airport operations.

Commissioner Kirshberg spoke about the Whitewood extension and what the cost of it would be. Mr. Moehling estimated it would cost $4 million. Ms. Kinser relayed the General Plan report was posted on the City's website on Friday morning. **Commissioner Kirshberg** spoke about Mr. Rossi's property. Ms. Lanier said the zone change they are proposing is a very complimentary designation of that area.

Commissioner Cohen commented on Mr. Rossi's property as well as the Whitewood extension.

Vice Chair Goodman spoke about the Whitewood extension and why this is needed if the I-215 will be widened. Mr. Moehling said the I-15 and I-215 are generally used for movement of goods and that the residential roads such as Whitewood are used for residential use.

Action: The Commission recessed at 8:55 p.m. and resumed at 9:10 p.m.

Chair Butler asked if there was an analysis on the impact of emergency response on the Whitewood extension. Ms. Lanier replied there has not been a specific analysis in regards to emergency vehicles. **Chair Butler** spoke about the Creekside development and Mr. Rossi's property. He asked if there was anything to prevent the Los Alamos Hills Specific Plan with going forward. Ms. Lanier replied no. **Chair Butler** talked about the Clinton Keith and Mitchell road and traffic circulation.

Commissioner Kirshberg expressed concern with the Whitewood expansion and that the public was not given more time to review the documents for the meeting tonight.

Commissioner Cohen spoke about his concern with Mr. Rossi's property zone change. He was also concerned with the Los Alamos Hills Specific Plan.

Vice Chair Goodman expressed his concern with the Los Alamos Hills Specific Plan and the Whitewood and Jackson extension.

Chair Butler talked about the cost benefit analysis of the Whitewood extension. He would like to see how the Jackson connection does before moving forward with Whitewood. **Chair Butler** spoke about the Los Alamos Hills Specific Plan and said for purposes of the General Plan, it does not need to be included. He would also like Mr. Rossi's parcel to be zoned to Commercial.

Vice Chair Goodman inquired about possible changes to Jefferson. Mr. Lanier replied if there are changes made to Jefferson, then a different analysis will need to be done to the EIR. Ms. Dugard said in order for the City Council to adopt the recommendation to make changes to Jefferson, the EIR would have to be analyzed. There will be a four-month delay to conduct the new analysis. Ms. Dugard recommended the Commission makes it motion with the added language that the Planning Commission recommends "changes to the General Plan in the following areas...".

Action: A motion was made by **Vice Chair Goodman** to adopt the resolution as written with the following changes: that the City Council look into two specific points, Whitewood and Jefferson traffic considerations discussed by the Planning Commission tonight.

Ms. Dugard said if Vice Chair Goodman would like to add the Jefferson issue to the motion, referring it to the City Council does not affect the certification of the EIR until the City Council decides what they want to do with it. If the Commission wants the City Council to eliminate the six lanes, the recommendation would have to include the EIR changes.

Chair Butler suggested Vice Chair Goodman amend his motion to not have the Whitewood expansion and not designating the Jefferson corridor a six-lane road.

Vice Chair Goodman withdrew his motion.

Action: A motion was made by **Commissioner Cohen** and seconded by **Vice Chair Goodman** to adopt the Resolution Recommending that the City Council:

1. Certify the Final Environmental Impact Report for Murrieta General Plan 2035 (SCH NO. 2010111084);

2. Adopt the Mitigation, Monitoring and Reporting Program;
3. Adopt the Statement of Facts and Findings and Statement of Overriding Considerations;
4. Adopt the Climate Action Plan included as Appendix P to the EIR; and
5. Adopt proposed General Plan 2035 as presented to the Planning Commission at this hearing;

And the following changes: to not include the extension of Whitewood; evaluate the circulation issue around Jefferson to four lanes from Lemon to North of the City boundary; and recommend they also instruct staff upon the approval of the General Plan update to immediately start development of the Specific Plan of Los Alamos Hills and to complete that plan within one year.

Vice Chair Goodman inquired why a change to the EIR would need to be done. Ms. Lanier said it is required with the decrease of the service level.

Chair Butler asked if the Los Alamos Hills Specific Plan has been submitted. Ms. Lanier replied no and that the document provided by CQLM indicated their desire to finish the Specific Plan. Ms. Lanier spoke about Mr. Rossi's property and said the Commission could make a change to the zone change and that this could be part of the motion. This change will have no affect on the EIR.

Chair Butler suggested amending the language of the motion to approve the Specific Plan within one year of submitted Specific Plan and to address Mr. Rossi's piece of property.

Commission Cohen said the Commission has expressed their thoughts and concerns with Mr. Rossi's property. In regards to the Los Alamos Hills Specific Plan, he thinks this should be City driven to finish the process.

Ms. Lanier replied the City could take the lead of this project and that it would be in the direction of the City Council since a budget would need to be allocated for this project. Ms. Kinser said all the minutes from the previous Planning Commission meetings along with the staff reports will be included in the staff report for the City Council. **Chair Butler** asked if Mr. Rossi's property could be mentioned in the staff report. Ms. Lanier replied yes.

Ms. Lanier asked for consensus of Mr. Rossi's property. **Chair Butler** said Mr. Rossi would prefer Commercial zone over the proposed zone change.

The motion again stands as:

Action: A motion was made by **Commissioner Cohen** and seconded by **Vice Chair Goodman** to Adopt the Resolution Recommending that the City Council:

1. Certify the Final Environmental Impact Report for Murrieta General Plan 2035 (SCH NO. 2010111084);
2. Adopt the Mitigation, Monitoring and Reporting Program;
3. Adopt the Statement of Facts and Findings and Statement of Overriding Considerations;
4. Adopt the Climate Action Plan included as Appendix P to the EIR; and
5. Adopt proposed General Plan 2035 as presented to the Planning Commission

at this hearing;

And the following changes: to not include the extension of Whitewood; evaluate the circulation issue around Jefferson to four lanes from Lemon to North of the City boundary; and recommend they also instruct staff upon the approval of the General Plan update to immediately start development of the Specific Plan of Los Alamos Hills and to complete that plan within one year.

AYES:	Casadonte, Cohen, Kirshberg, Goodman and Butler
NOES:	None
ABSTAIN:	None
Absent:	None

CITY PLANNER REPORT

Ms. Kinser thanked the Commission for all their work on this item. She announced there will be a "Chip-Chat" with the City Council on June 22nd and that there are no items on the Planning Commission agenda.

CITY ATTORNEY REPORT

Ms. Dugard gave her compliments to the Commission and staff on this item.

PLANNING COMMISSION REPORTS

Commissioner Casadonte reminded everyone Flag Day is on June 14th.

Commissioner Cohen encouraged everyone to attend the Father's Day Car Show on June 20th.

Chair Butler suggested everyone attend the Birthday Bash on June 25th and the various Concerts in the Park events.

ADJOURNMENT

The meeting was unanimously adjourned at 10:27 p.m. on a motion by Casadonte and seconded by Goodman. to the Regularly Scheduled meeting of the Planning Commission to be held on Wednesday, June 22, 2011 at 6:00 p.m. in the City of Murrieta Council Chambers, One Town Square, 24601 Jefferson Avenue, Murrieta, California.

Thomas M Butler
Commission Chairman

Lorie Abeles
Commission Secretary

DRAFT GENERAL PLAN 2035
AND DRAFT ENVIRONMENTAL IMPACT REPORT
(PROVIDED UNDER A SEPARATE COVER)

ATTACHMENT 12

GENERAL PLAN UPDATE
COMMUNITY MEETINGS AND WORKSHOPS

ATTACHMENT 13

CITY OF MURRIETA
GENERAL PLAN UPDATE
COMMUNITY MEETINGS AND WORKSHOPS

DATE	TYPE OF MEETING	LOCATION
January 14, 2010	Chamber of Commerce Presentation	Black Angus
January 22, 2010	Youth Visioning Workshop	Vista Murrieta High School
January 25, 2010	Brokers Meeting	Murrieta Public Library
January 25, 2010	Rotary Presentation	Sizzler
January 28, 2010	Visioning Workshop	Murrieta Mesa High School
January 30, 2010	Visioning Workshop	Murrieta Mesa High School
March 23, 2010	North Murrieta Business Corridor Area Meeting	Rail Ranch Elementary School
March 25, 2010	Clinton Keith/Mitchell Area Meeting	Fire Station #4
March 27, 2010	Land Use Workshop	Murrieta Senior Center
March 29, 2010	South Murrieta Business Corridor Area Meeting	Citizens Bank Conference Room
April 13, 2010	Los Alamos Area Meeting	Rail Ranch Elementary School
April 22, 2010	MU-3 Area Meeting	Murrieta Public Library
May 3, 2010	Golden Triangle North Area Meeting	Murrieta Public Library
June 2, 2010	North Murrieta Business Corridor area Meeting	Council Chambers
June 7, 2010	MU-3 Area Meeting	Council Chambers
June 8, 2010	Clinton Keith/Mitchell Area Meeting	Council Chambers
June 10, 2010	Golden Triangle North Area Meeting	Council Chambers
June 23, 2010	Joint CC/PC Land Use Workshop	Council Chambers
July 7, 2010	Joint CC/PC Land Use Workshop	Council Chambers
October 21, 2010	Healthy Community Workshop	Library
November 30, 2010	Joint CC/PC General Plan Workshop	Council Chambers
December 2, 2010	Los Alamos Area Meeting	Library
January 10, 2011	Historic Commission	Council chambers
January 11, 2011	Joint CC/PC Workshop	Council Chambers
January 19, 2011	Joint PC/Transportation Meeting	Council Chambers

CITY OF MURRIETA
NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN that a public hearing will be held before the City of Murrieta City Council on Tuesday, July 19, 2011 at 7:00 p.m. at City Hall, One Town Square, 24601 Jefferson Avenue, Murrieta, CA 92562, to consider the following matter:

GENERAL PLAN AMENDMENT 2009-2841 (GENERAL PLAN 2035). The proposed actions consist of adopting a Resolution to certify the Final Environmental Impact Report (SCH#2010111084); and adopt the Murrieta General Plan 2035. Environmental Determination: The project has been determined to require an Environmental Impact Report (EIR) pursuant to the Guidelines for Implementation of the California Environmental Quality Act (CEQA), California Code of Regulations (CCR) Title 14. A Draft Environmental Impact Report (DEIR) was prepared for the project and was circulated for a 45-day public review from February 8, 2011 to March 24, 2011.

Any person may submit written comments to the City Council before the hearing or may appear and be heard before the City Council at the time of the hearing. State law provides that if you challenge the City's action in court you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the City Council at, or prior to the public hearing. The proposed action descriptions, maps and other information may be reviewed at the Community Development Department offices at City Hall Monday – Thursday from 8:00 - 5:00 p.m.

If you have any questions please contact the project planner Greg Smith at (951) 461-6414 or email gsmith@murrieta.org.

Published: The Californian
Press Enterprise
No later than July 9, 2011

the future of southern california
Murrieta
General Plan Update

Section 11.0

Mitigation Monitoring Program

11.0 MITIGATION MONITORING AND REPORTING PROGRAM

Section 1.0 and Section 5.0 of this EIR identify the mitigation measures that will be implemented to reduce the impacts associated with the Murrieta General Plan 2035 project. The *California Environmental Quality Act* (*CEQA*) was amended in 1989 to add Section 21081.6, which requires a public agency to adopt a monitoring and reporting program for assessing and ensuring compliance with any required mitigation measures applied to proposed development. As stated in *Public Resources Code* Section 21081.6,

> *. . . the public agency shall adopt a reporting or monitoring program for the changes to the project which it has adopted, or made a condition of project approval, in order to mitigate or avoid significant effects on the environment.*

Public Resources Code Section 21081.6 provides general guidelines for implementing mitigation monitoring programs and indicates that specific reporting and/or monitoring requirements, to be enforced during project implementation, shall be defined prior to final certification of the EIR.

The mitigation monitoring table below lists those mitigation measures that may be included as conditions of approval for the project. These measures correspond to those outlined in Section 1.0 and discussed in Section 5.0. To ensure that the mitigation measures are properly implemented, a monitoring program has been devised which identifies the timing and responsibility for monitoring each measure. The applicant/developer of specific future projects will have the responsibility for implementing the measures, and the various City of Murrieta departments will have the primary responsibility for monitoring and reporting the implementation of the mitigation measures.

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
AESTHETICS							
AES-1	For future development located in or immediately adjacent to residentially zoned properties, construction documents shall include language that requires all construction contractors to strictly control the staging of construction equipment and the cleanliness of construction equipment stored or driven beyond the limits of the construction work area. Construction equipment shall be parked and staged within the project site, as distant from the residential use, as reasonably possible. Staging areas shall be screened from view from residential properties.	During Pre-Construction and Construction	Review and Approval of Construction Documents Periodic Site Inspections During Construction	City of Murrieta Planning Department and Building and Safety Department			
AES-2	Construction documents shall include language requiring that construction vehicles be kept clean and free of mud and dust prior to leaving the development site. Streets surrounding the development site shall be swept daily and maintained free of dirt and debris.	During Pre-Construction and Construction	Review and Approval of Construction Documents Periodic Site Inspections During Construction	City of Murrieta Planning Department and Building and Safety Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
AES-3	Construction worker parking may be located off-site with prior approval by the City. On-street parking of construction worker vehicles on residential streets shall be prohibited.	During Pre-Construction and Construction	Review and Approval of Construction Documents Periodic Site Inspections During Construction	City of Murrieta Planning Department and Building and Safety Department			
NOISE							
NOI-1	The City shall require future developments to implement the following measures to reduce the potential for human annoyance and architectural/structural damage resulting from elevated groundborne noise and vibration levels. ▪ Pile driving within a 50-foot radius of historic structures shall utilize alternative installation methods where possible (e.g., pile cushioning, jetting, predrilling, cast-in-place systems, resonance-free vibratory pile drivers). ▪ The preexisting condition of all designated historic buildings within a 50-foot radius of proposed construction activities shall be evaluated during a preconstruction survey. The preconstruction survey shall determine conditions that exist before construction begins for use in evaluating damage caused by construction activities. Fixtures and	Prior to Issuance of Grading Permit During Construction	Periodic Site Inspections During Grading and Construction	City of Murrieta Planning Department and Building and Safety Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
	finishes within a 50-foot radius of construction activities susceptible to damage shall be documented (photographically and in writing) prior to construction. All damage shall be repaired back to its preexisting condition. Vibration monitoring shall be conducted prior to and during pile driving operations occurring within 100 feet of the historic structures. Every attempt shall be made to limit construction-generated vibration levels in accordance with Caltrans recommendations during pile driving and impact activities in the vicinity of the historic structures.						
NOI-2	Residential projects located within the 55 CNEL noise contour for the French Valley Airport shall be subject to review by the Riverside County Airport Land Use Commission and shall be required to ensure interior noise levels from aircraft operations are at or below 45 dB CNEL.	Prior to Issuance of Grading Permit During Construction	Review by Riverside County Airport Land Use Commission	City of Murrieta Planning Department and Building and Safety Department			
GEOLOGY							
GEO-1	Prior to issuance of a Grading Permit for each future development project, a registered geologist or soils engineer shall prepare an area-specific Geologic Study, which shall be submitted to the Public Works or Building and Safety Department for approval. The Geologic Study shall specify the measures necessary to mitigate impacts related to fault rupture, groundshaking, landslides, liquefaction or dynamic settling, expansive or collapsible soils, lateral spreading, and	Prior to Issuance of a Grading Permit During Construction	Review and Approval of Geologic Study Issuance of Grading Permit Site Inspections	City of Murrieta Planning Department and Building and Safety Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
	other geologic and seismic hazards, if any. All recommendations in the Geologic Study shall be implemented during area preparation, grading, and construction.						
GEO-2	Prior to issuance of any Grading Permit, project applicants of future development projects shall comply with each of the recommendations detailed in the Geotechnical Study, and other such measure(s) as the City deems necessary to adequately mitigate potential seismic and geotechnical hazards.	Prior to Issuance of a Grading Permit During Construction	Review and Approval of Geologic Study Issuance of Grading Permit Site Inspections	City of Murrieta Planning Department and Building and Safety Department			
CULTURAL RESOURCES							
CR-1	Future development projects shall continue to be evaluated for cultural resources by the City of Murrieta through review by the Eastern Information Center (EIC) and notification of and consultation with the local tribes for new entitlement projects. The projects shall be evaluated for compliance with the California Environmental Quality Act (CEQA) and where feasible, avoidance of cultural resources. If, following review by the EIC and/or tribal consultation, it is determined that there is a potential for impacts to cultural resources, further cultural resources analysis by a qualified professional(s), as defined in Mitigation Measure CR-2, may be required by the City.	During Site Plan Review	Completion of cultural resource review by Eastern Information Center Completion of Cultural Resources Analysis	City of Murrieta Planning Department and Building and Safety Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
CR-2	In the event that cultural resources (archaeological, historical, paleontological) resources are inadvertently unearthed during excavation and grading activities of any future development project, the contractor shall cease all earth-disturbing activities within a 100-foot radius of the area of discovery. If not already retained due to conditions present pursuant to Mitigation Measure CR-1, the project proponent shall retain a qualified professional (i.e., archaeologist, historian, architect, paleontologist, Native American Tribal monitor), subject to approval by the City of Murrieta to evaluate the significance of the find and appropriate course of action (refer to Mitigation Measures CR-1 and CR-3). If avoidance of the resources is not feasible, salvage operation requirements pursuant to Section 15064.5 of the CEQA Guidelines shall be followed. After the find has been appropriately avoided or mitigated, work in the area may resume.	During Excavation and Grading Activities	On-Site Archaeological Monitor, if Archaeological, Historical, or Paleontological Resources are Discovered	City of Murrieta Planning Department and Building and Safety Department			
CR-3	In the event that human remains are unearthed during excavation and grading activities of any future development project, all activity shall cease immediately. Pursuant to State Health and Safety Code Section 7050.5, no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner shall within 24 hours notify the Native American Heritage Commission (NAHC). The NAHC shall then	During Excavation and Grading Activities	On-Site Monitor Report to Riverside County Coroner's Office, if Human Remains are Discovered	City of Murrieta Planning Department and Building and Safety Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
	contact the most likely descendant of the deceased Native American, who shall serve as consultant on how to proceed with the remains.						
HYDROLOGY, DRAINAGE, AND WATER QUALITY							
HYD-1	Prior to issuance of any Grading or Building Permit, and as part of the future development's compliance with the NPDES requirements, a Notice of Intent shall be prepared and submitted to the San Diego RWQCB providing notification and intent to comply with the State of California General Construction Permit. Also, a Stormwater Pollution Prevention Plan (SWPPP) shall be reviewed and approved by the Director of Public Works and the City Engineer for water quality construction activities on-site. A copy of the SWPPP shall be available and implemented at the construction site at all times. The SWPPP shall outline the source control and/or treatment control BMPs to avoid or mitigate runoff pollutants at the construction site to the "maximum extent practicable." All recommendations in the Plan shall be implemented during area preparation, grading, and construction. The project applicant shall comply with each of the recommendations detailed in the Study, and other such measure(s) as the City deems necessary to mitigate potential stormwater runoff impacts.	Prior to Issuance of any Grading or Building Permit During Construction	Review and Approval of SWPPP Issuance of Grading or Building Permits Site Inspections	City of Murrieta Public Works and Engineering Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
HYD-2	Prior to issuance of any Grading Permit, future development projects shall prepare, to the satisfaction of the Director of Public Works and the City Engineer, a Water Quality Management Plan or Stormwater Mitigation Plan, which includes Best Management Practices (BMPs), in accordance with the Riverside County DAMP and the Murrieta WQMP. All recommendations in the Plan shall be implemented during post construction/operation phase. The project applicant shall comply with each of the recommendations detailed in the Study, and other such measure(s) as the City deems necessary to mitigate potential water quality impacts.	Prior to Issuance of Grading Permits During Construction During Development Operations (Post Construction)	Review and Approval of WQMP Issuance of Grading Permit Site Inspections	City of Murrieta Public Works and Engineering Department			
HAZARDS AND HAZARDOUS MATERIAL							
HHM-1	The Community Development Department, in cooperation with the Murrieta Fire Department and the Riverside County Community Health Agency, Materials Management Division, shall provide information to businesses on viable alternatives to hazardous materials. Create an informational pamphlet with existing hazardous material substitutions and retailers that sell the materials. Offer the information to applicable business owners who are required to file as a hazardous waste handler in the City.	In Conjunction with Implementation of General Plan	Update and Provide Information to Businesses on Alternatives to Hazardous Waste	City of Murrieta Planning Department and Building and Safety Department/ Murrieta Fire Department/ Riverside County Department of Public Health			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
HHM-2	The Community Development Department, in cooperation with the Murrieta Fire Department and the Riverside County Community Health Agency, Materials Management Division, provide information on viable alternatives to household hazardous materials on the City's website so households may use alternatives. Information will also educate the public to the health, safety, and environmental benefits of using non-hazardous substitutions.	In Conjunction with Implementation of General Plan	Update City of Murrieta Official Website with Information on Alternatives to Household Hazardous Waste Material	City of Murrieta Planning Department and Building and Safety Department/ Murrieta Fire Department/ Riverside County Department of Public Health			
HHM-3	Prior to development approval on a project-by-project basis, the project applicant shall confirm the presence or absence of hazardous materials pertaining to the release of hazardous materials into the soil, surface water, and/or groundwater. If necessary, development shall undergo site characterization and remediation on a project-by-project basis, per applicable Federal, State, and/or local standards and guidelines set by the applicable regulatory agency.	Prior to Development Approval on a Project-by-Project Basis	Periodic Site Inspections During Demolition, Grading and Construction	City of Murrieta Planning Department and Building and Safety Department/ Murrieta Fire Department/ Riverside County Department of Public Health			
HHM-4	The project applicant shall comply with the requirements of the Federal Aviation Administration (FAA) should any portions of the development be within a height overlay review zone or encroach within an imaginary surface surrounding the French Valley Airport. A Notice of Proposed Construction or Alteration (Form 7460-1) may be required by the FAA in accordance with Federal Aviation Regulations Part 77.	Prior to Development Approval on a Project-by-Project Basis	Review and Approval of Site Plans	City of Murrieta Planning Department and Building and Safety Department/ Riverside County Airport Land Use Commission			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
MITIGATION MONITORING AND REPORTING PROGRAM							
Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
WASTEWATER							
WW-1	Prior to issuance of a wastewater permit for any future development project, the Project Applicant shall pay applicable connection and/or user fees to RCWD, EVMWD, WMWD, or EMWD.	Prior to Issuance of a Wastewater Permit	Payment of Applicable Fees to County Sanitation Districts of Riverside County Issuance of Wastewater Permit	City of Murrieta Public Works Department/County Sanitation Districts of Riverside County			
WW-2	Prior to issuance of a building permit for any future development project, the Project Applicant shall prepare an engineering study to support the adequacy of the sewer systems and submit the engineering study to the City for review and approval. Any improvements recommended in the engineering study shall be installed prior to the certificate of occupancy for the development project.	Prior to Issuance of a Building Permit	Review/Approval of Engineering Study Issuance of Building Permit	City of Murrieta Public Works and Engineering Department			
WW-3	Prior to issuance of a building permit for any future development project, the Project Applicant shall provide evidence that the RCWD, EVMWD, WMWD, or EMWD has sufficient wastewater transmission and treatment plant capacity to accept sewage flows from buildings for which building permits are being requested.	Prior to Issuance of a Building Permit	Provide Evidence of Sufficient Wastewater Transmission and Treatment Plant Capacity Issuance of Building Permit	City of Murrieta Public Works and Engineering Department/County Sanitation Districts of Riverside County			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
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Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
WILDLAND FIRE HAZARDS							
FP-1	The Murrieta Fire Department shall review future development projects to determine if a Fuel Modification Plan is required. If required, project applicants shall prepare the Fuel Modification Plan in accordance with Fire Department requirements prior to the issuance of a grading or building permit.	Prior to Issuance of Grading or Building Permit	Review and Approval of Fuel Modification Plan	Murrieta Fire Department			
FP-2	Brush clearance shall be conducted prior to initiation of construction activities in accordance with Murrieta Fire Department requirements.	Prior to Initiation of Construction Activities	Review and Approval of Site Plans Periodic Site Inspections During Construction	Murrieta Fire Department			
FP-3	Adequate access to all buildings on the project site shall be provided for emergency vehicles during the building construction process.	During Construction	Review and Approval of Site Plans Periodic Site Inspections During Construction	Murrieta Fire Department			

MURRIETA GENERAL PLAN 2035 ENVIRONMENTAL IMPACT REPORT							
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Mitigation Measure		Monitoring Timing/Frequency	Action Indicating Compliance	Monitoring Agency	Verification of Compliance		
					Initials	Date	Remarks
FP-4	Adequate water availability shall be provided to service construction activities.	During Construction	Review and Approval of Site Plans Periodic Site Inspections During Construction	Murrieta Fire Department			
SCHOOL FACILITIES							
SCH-1	Prior to the issuance of certificate of occupancy, individual project applicants shall submit evidence to the City of Murrieta that legally required school impact mitigation fees have been paid per the mitigation established by the applicable school district.	Prior to the Issuance of Certificate of Occupancy	Fee Payment Prior to Issuance of Certificate of Occupancy	City of Murrieta Planning Department			

Lead Agency: CITY OF MURRIETA
ATTN: CHRIS TRACY, AICP SENIOR PLANNER
Address: 1 TOWN SQUARE
MURRIETA, CA 92562

FILED / POSTED
County of Riverside
Peter Aldana
Assessor-County Clerk-Recorder
E-202400797
07/26/2024 11:00 AM Fee: $ 50.00
Page 1 of 3
Removed: By: Deputy

Project Title

DEVELOPMENT PLAN PERMIT NO. 2023-00024 AND TENTATIVE TRACT MAP NO. 2023- 00014 (TIM NO. 38579) OAK CREST TOWNHOMES

Filing Type

- ☐ Environmental Impact Report
- ☐ Mitigated/Negative Declaration
- ☑ Notice of Exemption
- ☐ Other:

Notes

NOTICE OF EXEMPTION

To: Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044

Riverside County Clerk
4080 Lemon St.
Riverside, CA 92501

From (Public Agency): City of Murrieta
1 Town Square
Murrieta, CA 92562

Project Title:	Development Plan Permit No. 2023-00024 and Tentative Tract Map No. 2023-00014 (TTM No. 38579) Oak Crest Townhomes
Project Location - Specific:	Northeast of the intersection of Whitewood Road and Clinton Keith Road (APN No. 392-330-003, -007, -020, and -021)
Project Location - City:	City of Murrieta
Project Location - County:	County of Riverside
Description of Nature, Purpose, and Beneficiaries of Project:	
Nature:	The "Project" proposes a Development Plan Permit for the development of the site for 243 units of multi-family residential units and a Tentative Tract Map (TTM No. 38579) for the subdivision of 17.96 gross acres into 11 parcels. The Project includes two and three-story residential buildings for a total of 41 buildings with a maximum height of 32 feet for the two-story residential buildings, and 41 feet for the three-story residential buildings. The total amount of parking spaces provided is 671 spaces in a combination of garage and surface parking. Grading activities would result in approximately 96,000 cubic yards (CY) of cut material and 96,000 CY of fill material, with a maximum cut depth of 34 feet, resulting in no import/export of material. The Project is located northeast corner of the intersection of Whitewood Road and Clinton Keith Road (APNs: 392-330-003, -007, -020, and -021). In addition, the Project proposes roadway improvements to Arendt Lane, Whitewood Road, and Clinton Keith Road.
Purpose:	Pursuant to State law, the City is required to process housing development projects subject to provisions of the City's Housing Element, Multi-Family 2 (MF-2) Zone standards, and under the Senate Bill 330 review standards.
Public Agency Approval:	On July 24, 2024, the City of Murrieta Planning Commission approved the Project with the associated findings and associated environmental determination.
Beneficiaries:	City of Murrieta
Name of Public Agency Approving Project:	City of Murrieta
Name of Person or Agency Carrying Out Project:	Adam Smith c/o Sancerra

Exempt Status (check one):	*Pursuant to California Environmental Quality Act (CEQA) Statute and Guidelines*	
☐	Ministerial (Sec. 21080(b)(1); 15268);	
☐	Declared Emergency (Sec. 21080(b)(3); 152269(a));	
☐	Emergency Project (Sec. 21080(b)(4); 15269(b)(c));	
☐	Categorical Exemption. Type and Section:	State CEQA Guidelines §15060(c)(2) "Preliminary Review" State CEQA Guidelines §15061(b)(3) "Common Sense Exemption"
☐	Statutory Exemption. Code Number:	
☒	Projects Consistent with a Community Plan, General Plan, or Zoning (Section 15183(c))	

Reasons Why Project is Exempt:

In conjunction with its adoption of the City's General Plan 2035, the City of Murrieta has previously certified the Final Environmental Impact Report (FEIR) for the Murrieta General Plan 2035 (SCH No. 2010111084), certified July 2011 (2011 EIR). With its adoption of the General Plan Update, the City certified the FEIR for the Murrieta General Plan 2035 (SCH No. 2010111084) in June 2020 (2020 SEIR) (GP EIRs). These GP EIRs analyzed anticipated growth in Murrieta. Pursuant to Public Resources Code Section 21083.3 and CEQA Guidelines Section 15183, and as demonstrated by the Initial Study and the supporting technical studies prepared for the Project, the Project is exempt from further environmental review because the Project is consistent with the GP designations in the GP

EIRs and would not result in any impacts peculiar to the Project site that are not evaluated in the GP EIRs and/or mitigated by the application of uniformly applied development policies, including GP policies, or standards adopted by the City or incorporated into the GP EIRs and there is no new information not known at the time the 2020 SEIR was certified that shows that the Project would have a more severe impact than described in the GP EIRs.			
Lead Agency Contact Person: Chris Tracy, AICP Senior Planner	Telephone & Extension: (951) 461-6046		
If Filed by Applicant:			
1. Attach certified document of exemption finding. 2. Has a Notice of Exemption been filed by the public agency approving the project?		☒ Yes	☐ No
Signature: CHRIS TACY, AICP.	Title: Senior Planner	Date: 07/24/24	

☒ Signed by Lead Agency ☐ Signed by Applicant	Date received for filing at OPR:

State of California - Department of Fish and Wildlife

2024 ENVIRONMENTAL DOCUMENT FILING FEE CASH RECEIPT

DFW 753.5a (REV. 01/01/24) Previously DFG 753.5a

RECEIPT NUMBER: 24-215679

STATE CLEARINGHOUSE NUMBER *(If applicable)* 2010111084

SEE INSTRUCTIONS ON REVERSE. TYPE OR PRINT CLEARLY.

LEAD AGENCY	LEAD AGENCY EMAIL	DATE
CITY OF MURRIETA	CTRACY@MURRIETACA.GOV	07/26/2024

COUNTY/STATE AGENCY OF FILING	DOCUMENT NUMBER
RIVERSIDE	E-202400797

PROJECT TITLE

DEVELOPMENT PLAN PERMIT NO. 2023-00024 AND TENTATIVE TRACT MAP NO. 2023- 00014 (TIM NO. 38579) OAK CREST TOWNHOMES

PROJECT APPLICANT NAME	PROJECT APPLICANT EMAIL	PHONE NUMBER
SANCERRA COMMUNITIES - WHITEWOOD, LLC	ASMITH@SANCERRA.COM	(949) 466-9604

PROJECT APPLICANT ADDRESS	CITY	STATE	ZIP CODE
2618 SAN MIGUEL DR. SUITE 1223,	NEWPORT BEACH	CA	92660

PROJECT APPLICANT *(Check appropriate box)*

☐ Local Public Agency ☐ School District ☐ Other Special District ☐ State Agency ☒ Private Entity

CHECK APPLICABLE FEES:

☐ Environmental Impact Report (EIR)	$4,051.25	$
☐ Mitigated/Negative Declaration (MND)(ND)	$2,916.75	$
☐ Certified Regulatory Program (CRP) document - payment due directly to CDFW	$1,377.25	$

☒ Exempt from fee

- ☒ Notice of Exemption (attach)
- ☐ CDFW No Effect Determination (attach)

☐ Fee previously paid (attach previously issued cash receipt copy)

☐ Water Right Application or Petition Fee (State Water Resources Control Board only)	$850.00	$
☒ County documentary handling fee		$ $50.00
☐ Other		$

PAYMENT METHOD:

☐ Cash ☒ Credit ☐ Check ☐ Other **TOTAL RECEIVED** $ $50.00

SIGNATURE	AGENCY OF FILING PRINTED NAME AND TITLE
X I Rodriguez	Deputy Irma Rodriguez

Peter Aldana
Riverside County
Assessor-County Clerk-Recorder
2724 Gateway Drive
Riverside, CA 92507
(951) 486-7000
www.rivcoacr.org

Receipt: 24-215679

Product	Name	Extended
FISH	CLERK FISH AND GAME FILINGS	$50.00
	# Pages	3
	Document #	E-202400797
	Filing Type	7
	State Fee Prev Charged	false
	No Charge Clerk Fee	false
F&G Notice of Exemption Fee		$50.00
Sub-Total		$50.00
Service Fee		$1.14
Total		$51.14
Tender (Credit Card Online)		$51.14

Customer Email	ecolwell@tbplanning.com
Service Fee	$0.00
Credit Card Invoice #	BPI3336S819
Customer Name	Emilie Colwell
Customer Phone Number	619-847-4012
Customer Address	3200 El Camino Real Suite 100 Irvine, CA 92602

Signature _____

7/26/24 11:00 AM
Gateway Clerk

Initial Study

Oakcrest Townhome Project

CEQA Lead Agency:

City of Murrieta
Development Services Department – Planning Division
1 Town Square
Murrieta, CA 92562

Project Applicant:

Sancerra Communities – Whitewood, LLC
2618 San Miguel Dr. Ste 1223
Newport Beach, CA 92660

CEQA Consultant:

T&B Planning, Inc.
3200 El Camino Real, Suite 100
Irvine, CA 92602

July 2024

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LIST OF TECHNICAL APPENDICES

The documents identified below are included within the Technical Appendices to this document and are hereby incorporated by reference in this document pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15150.

A. General Plan EIR's Mitigation Monitoring and Reporting Program
B1. Air Quality & Energy Analysis Assessment
B2. Construction Health Risk Assessment
C1. Biological Resources Technical Report
C2. Oak Tree Survey & Arborist Report
C3. Determination of Biological Equivalent or Superior Preservation
D. Cultural Resources Assessment
E. Geotechnical Evaluation
F. Greenhouse Gas (Climate Action Plan Consistency Checklist) Assessment
G. Phase I Environmental Site Assessment
H1. Project-Specific Water Quality Management Plan
H2. Hydrology Study
I. Noise Impact Analysis
J. Vehicle Miles Traveled Analysis
K Fire Protection Plan

1.0 Project Information

1. Project Title and Case Number

Oakcrest Townhome Project Tentative Tract Map (TTM) No. 38579/MAP-2023-00014, Development Plan (DP)-2023-00014

2. Lead Agency Name and Address

City of Murrieta
Community Development Department
1 Town Square, Murrieta, CA 92562

3. Contact Person and Phone Number

Chris Tracy, AICP Senior Planner
(951) 461-6046
Email: ctracy@murrietaca.gov

4. Project Location

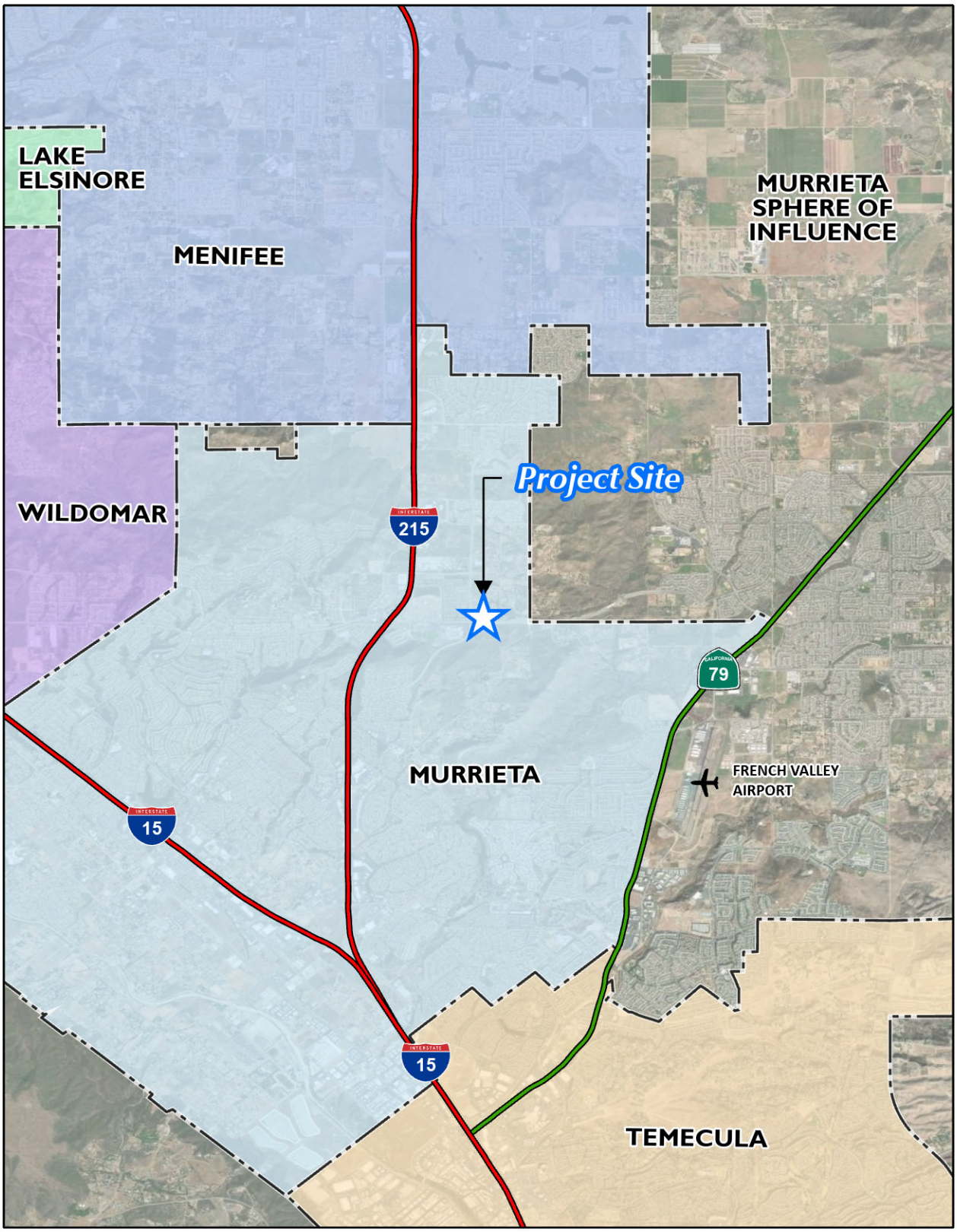
The Project site consists of approximately 17.26 acres in the northeastern portion of the City of Murrieta. From a regional perspective, the Project site is located 0.26 mile west of the French Valley area of unincorporated Riverside County. Interstate 215 (I-215) is located 0.6 mile west of the Project site. Specifically, the Project site is located east of Whitewood Road, north of Clinton Keith Road. The Project site encompasses Assessor's Parcel Numbers (APNs) 392-330-003, -007, -020, and -021. Refer to Figure 1-1, *Regional Map*, and Figure 1-2, *Vicinity Map*, which show the Project location at a regional and local level.

5. Project Applicant

Sancerra Communities – Whitewood, LLC
2618 San Miguel Dr. Ste 1223
Newport Beach, CA 92660

6. General Plan Designation: Multiple-Family Residential (10.1-30 du/acre)

The Project site has one land use designation under the City's current General Plan, which is further discussed in Section 13.0, *Environmental Documentation*, below. In summary, the current General Plan consists of the General Plan 2035 approved in 2011, and amended by the General Plan Update in 2020. The current General Plan is referred to herein as the "General Plan Update." Figure 1-3, *General Plan Land Use Map*, depicts the General Plan land use designation for the Project site and surrounding areas. As depicted on Figure 1-3, the Project site has a "Multiple-Family Residential (MFR)" land use designation. The base density for this land use designation is 10.1 – 30 dwelling units per acre (du/acre). (City of Murrieta, 2020a)

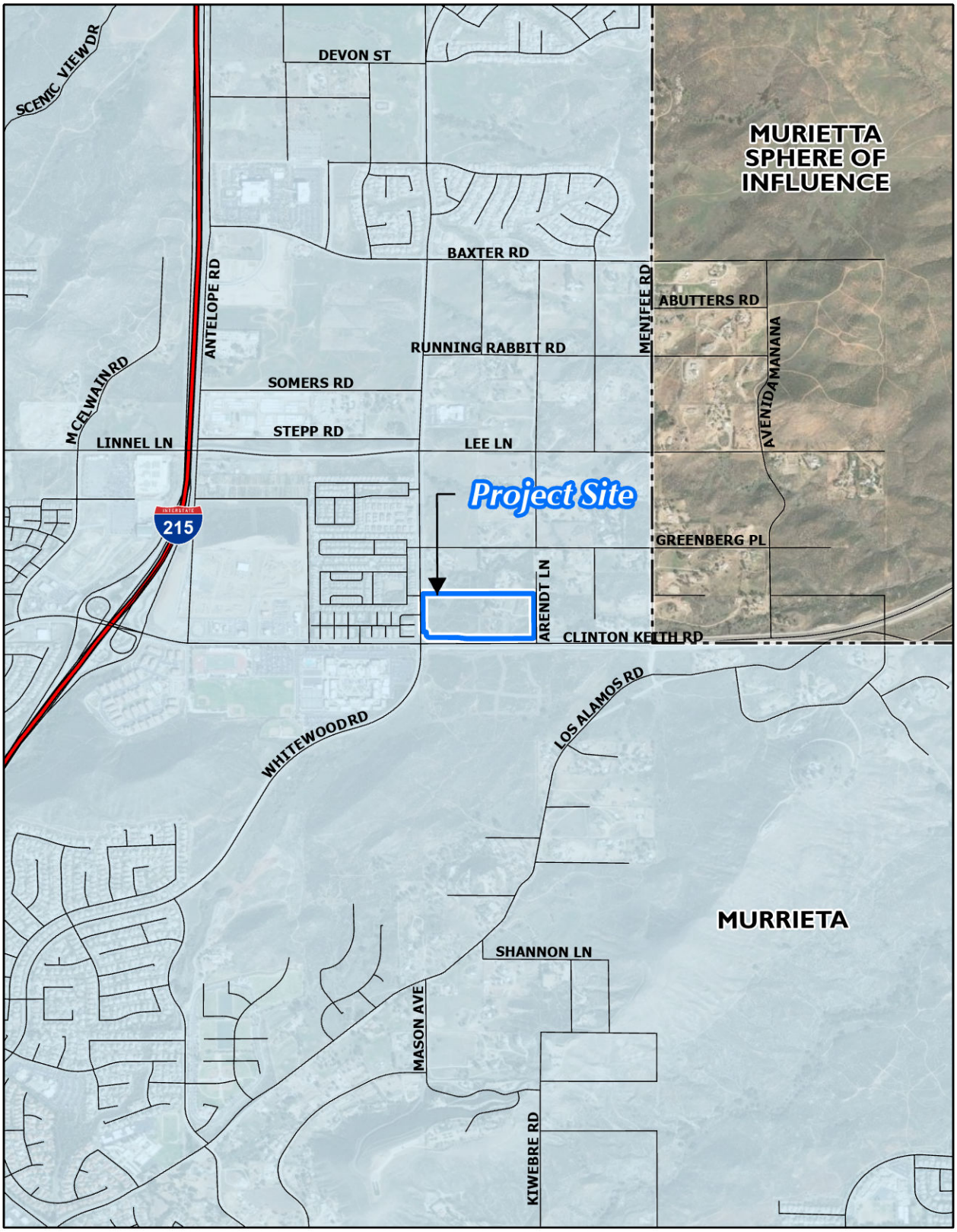


Source(s): Esri, RCIT (2023)

Figure 1-1

0 0.375 0.75 1.5 Miles

Regional Map

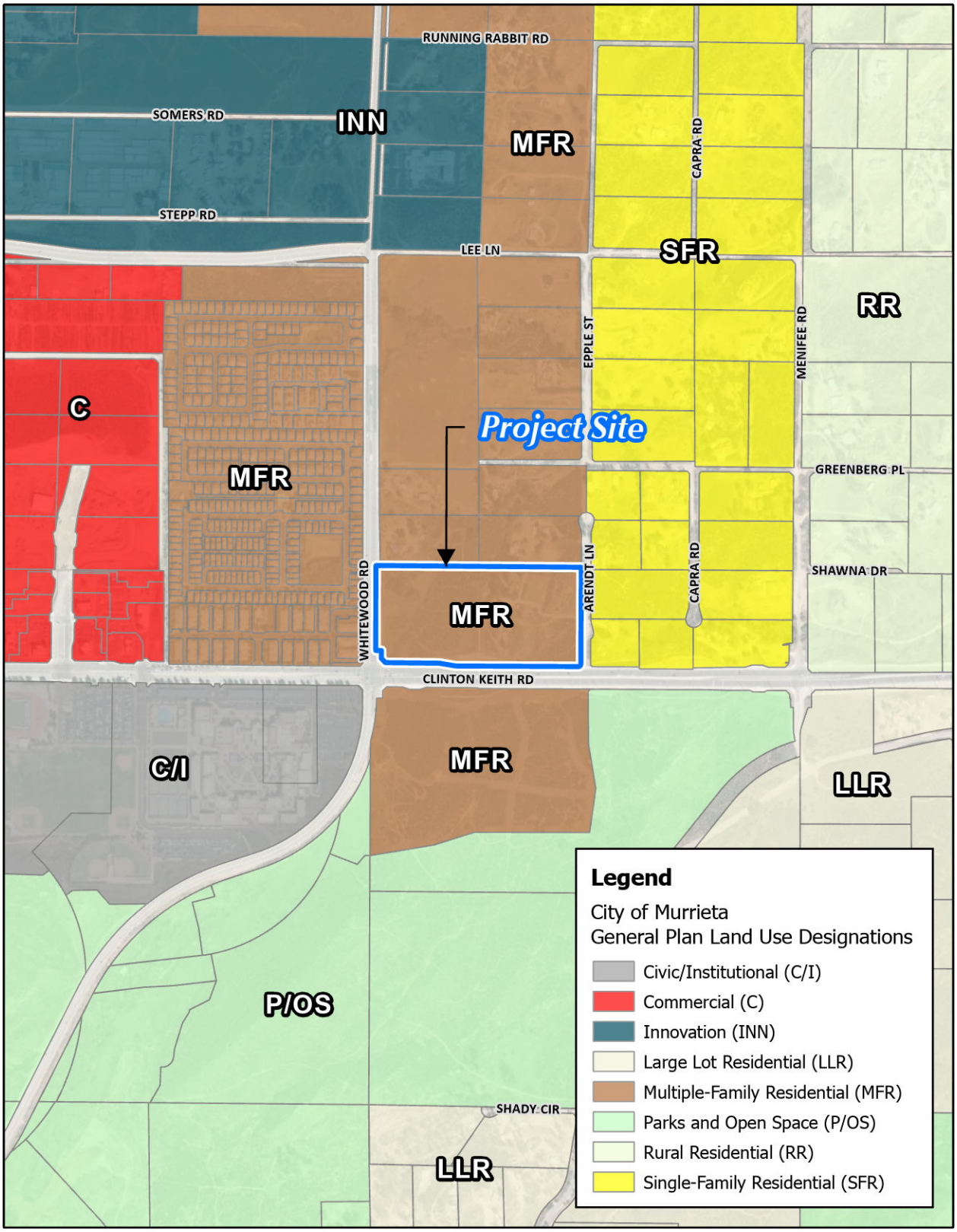


Source(s): Esri, RCIT (2023)

Figure 1-2

0 500 1,000 2,000 Feet

Vicinity Map



Source(s): City of Murrieta (2020), Esri, RCIT (2023)

Figure 1-3

0 225 450 900 Feet

General Plan Land Use Map

As stated in the General Plan (City of Murrieta, 2020a):

> *Multiple-Family Residential provides for attached and detached apartments and condominiums. Typical development consists of townhomes, condominiums, apartments, senior housing, and stacked flats. This designation encourages the development of integrated projects that provide complementary open spaces and amenities on-site.*

7. Zoning: Multiple Family 2 Residential (MF-2)

Refer to Figure 1-4, *Zoning Map*, which depicts the existing zoning for the Project site and surrounding areas. As depicted on Figure 1-4, the Project site has a "Multiple Family 2 Residential (MF-2)" zoning district.

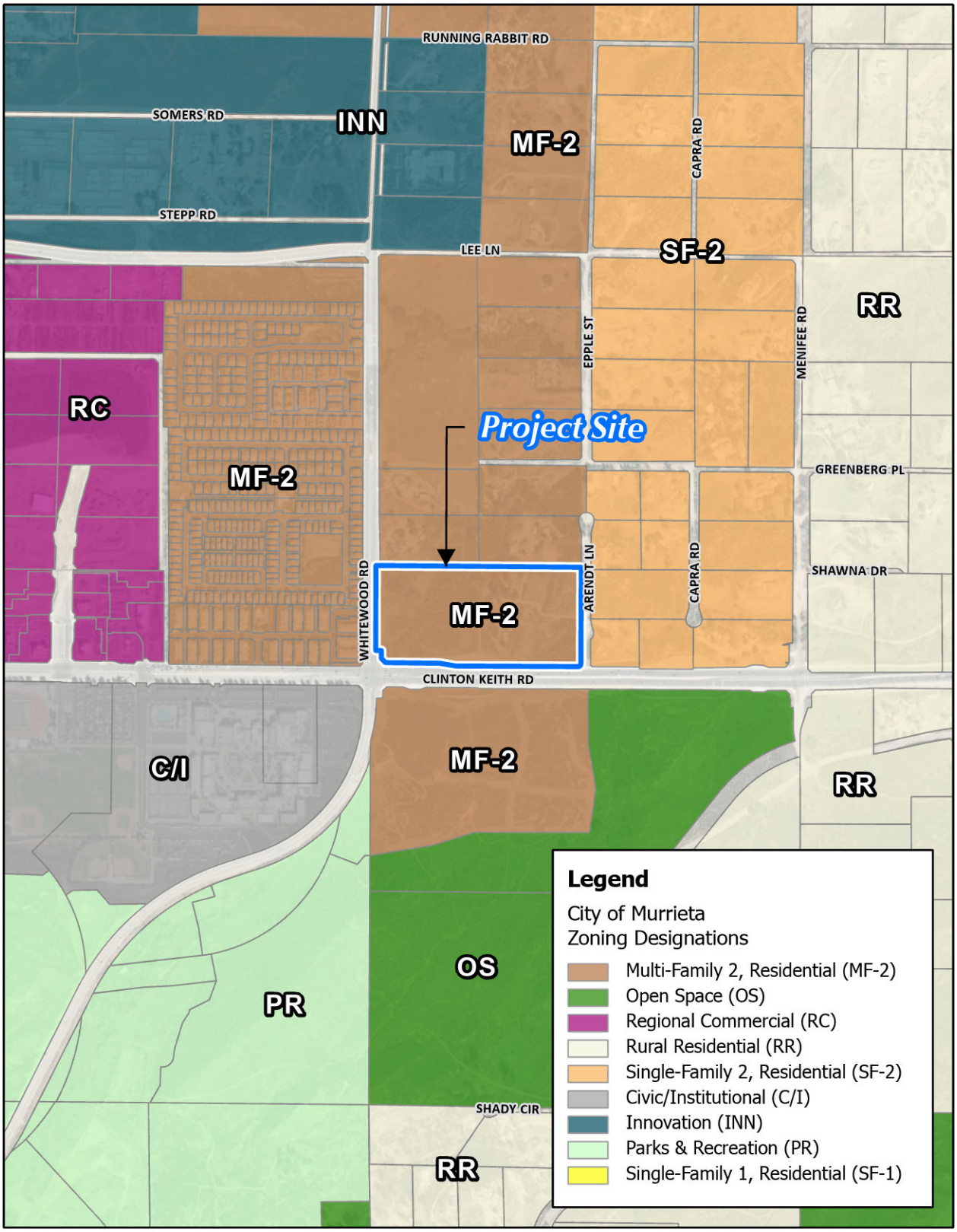
The MF-2 zoning district is applied to parcels appropriate for high density multi-family development, in which attached or detached dwelling units may be air-space condominiums, or rented as apartments under single ownership. Senior housing, congregate care or group facilities are allowed, with commonly maintained recreational facilities and open space required. The allowable density range is from 15.1 – 18 du/ac. The MF-2 zoning district is consistent with the Multiple-Family Residential land use designation of the General Plan.

8. Environmental Setting of the Project Site

As shown in Figure 1-1, the City is in the southwest portion of Riverside County and is bordered to the north by the City of Menifee, the City of Wildomar, and unincorporated Riverside County; to the east by unincorporated Riverside County; to the south by the City of Temecula and unincorporated Riverside County; and to the west by unincorporated Riverside County. As shown in Figure 1-2, the Project site is bordered to the north by Greenberg Place, to the west by Whitewood Road, to the south by Clinton Keith Road, and to the east by Arendt Lane. Regional access to the Project site is provided by I-215 via Clinton Keith Road. The Project is approximately 3.55 miles northeast of I-15, 0.6 mile east of I-215, and approximately 2.53 miles west of SR-79. Local access to the Project site is currently provided via Arendt Lane and Whitewood Road via unimproved driveways.

Figure 1-5, *Aerial Photograph*, depicts the existing conditions at the Project site and surrounding areas. The Project site contains two existing residences in the eastern half of the site and the western half of the site is undeveloped. Elevations range between approximately 1,385 feet above mean sea level (amsl) in the southeast corner to 1,480 feet amsl along the western boundary. Figure 1-6, *USGS Topographic Map* generally depicts the topography of the Project site and surrounding areas. The existing aesthetic conditions of the Project are illustrated on site photographs presented on Figure 1-7 through Figure 1-8 which show views of the undeveloped Project site from Clinton Keith Road and Whitewood Road.

As further discussed in Section 2.4, Biological Resources, of this document, the Project site is within the Western Riverside County Multiple-Species Habitat Conservation Plan (MSHCP). The Project site is not in a criteria area for the MSHCP (i.e., not within a Criteria Cell, Cell Group, habitat core or linkage). The



Source(s): City of Murrieta (2020), Esri, RCIT (2023)

Figure 1-4

0 225 450 900 Feet

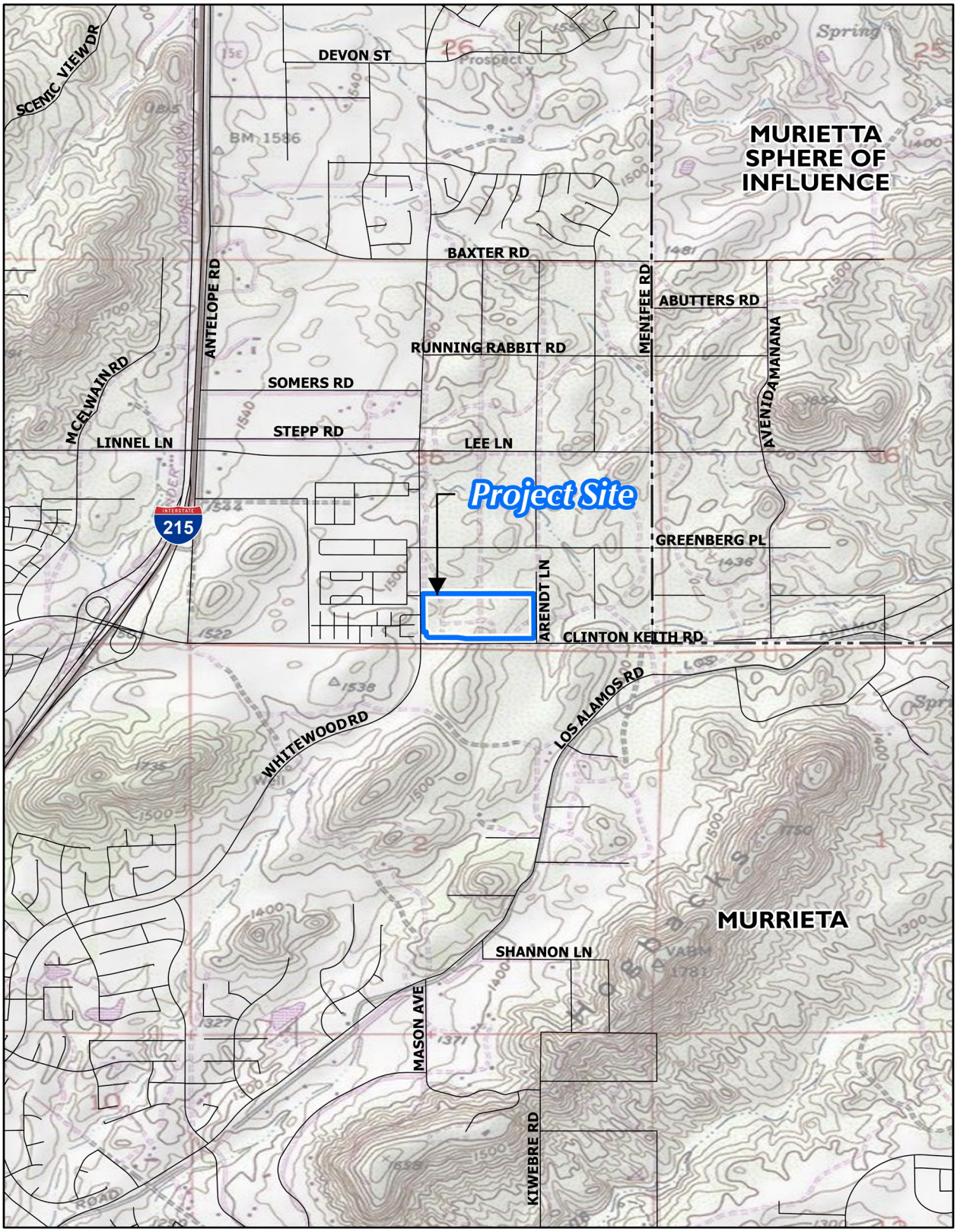
Zoning Map

Source(s): Esri, Nearmap Imagery (2023), RCIT (2023)

Figure 1-5

0 125 250 500 Feet

Aerial Photograph



Source(s): Esri, USGS (2013)

Figure 1-6

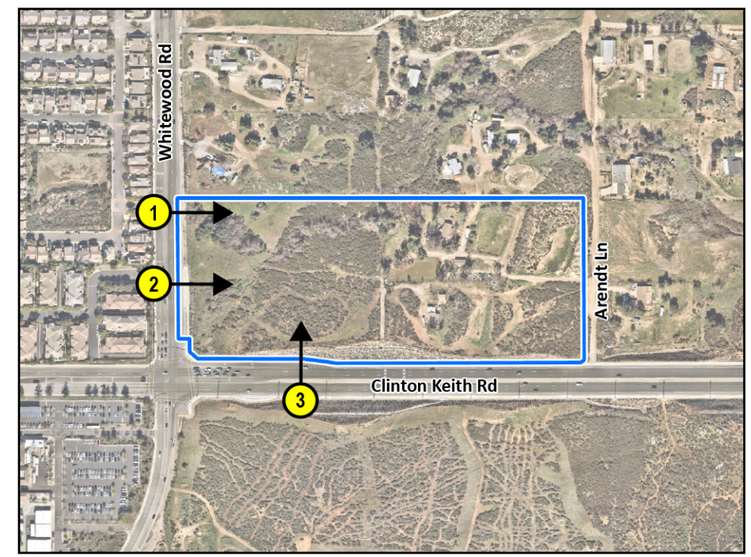
0 500 1,000 2,000 Feet

USGS Topographic Map

Site Photo 1: Northwest of the Project Site, along Whitewood Road, looking east.

Site Photo 2: West of the Project Site, along Whitewood Road, looking east.

Site Photo 3: Southwest of the Project Site, along Clinton Keith Road, looking north.



Source(s): Esri, Nearmap Iamgery (2023)

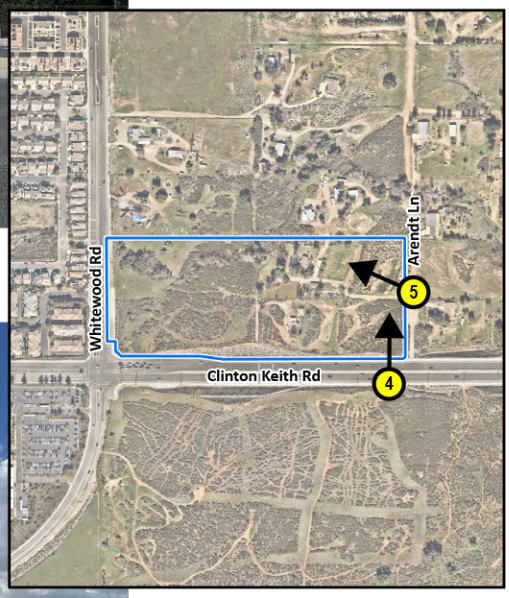
Figure 1-7

Not to Scale

Site Photographs - Views 1 through 3

Site Photo 4: Southwest of the Project Site, along Clinton Keith Road, looking north.

Site Photo 5: East of the Project Site, along Arendt Lane, looking northwest.



Source(s): Esri, Nearmap Iamgery (2023)

Figure 1-8

Not to Scale

Site Photographs - Views 4 and 5

Project site contains riparian and riverine areas as defined in Section 6.1.2 of the MSCHP; therefore, a MSHCP Determination of Biological Equivalent or Superior Preservation (DBESP) is required as 100 percent avoidance of on-site riparian/riverine areas cannot be met with the Project.

The Project site is north of Criteria Cell 5673 and Riverside Conservation Authority (RCA) conserved lands "Calvary Chapel of Murrieta," but is separated from preserved lands by a 29-acre site to be developed with a multi-family residential project and Clinton Keith Road, a six-lane, 130-foot-wide highway. In addition, the preserved area is separated from the Project and highway by an approximately 25-foot-high road cut built as a part of the construction of Clinton Keith Road.

Eight vegetation land cover types were observed within the Project site: developed, disturbed/ruderal, coastal sage scrub, chamise chaparral, coast live oak woodland, emergent wetland, streams, mulefat scrub, and southern willow scrub. Additionally, the following sensitive plant and wildlife species are supported on-site: Intermediate mariposa lily (*Calochortus weedii var. intermedius*), Parry's spineflower (*Chorizanthe parryi var. parryi*), Long-spined spineflower (*Chorizanthe polygonoides var. longispina)*, San Diego tarweed (*Deinandra paniculate*), Southern California rufous crowned sparrow (*Aimophila ruficeps canescens*), Bell's sage sparrow (*Artemisiospiza belli belli*), Northwestern San Diego pocket mouse (*Chaetodipus fallax fallax*) Orange-throated whiptail (*Aspidoscelis hyperythra*), and Coast horned lizard (*Phrynosoma blainvillii*). Wetlands and non-wetland waters considered jurisdictional by the U.S. Army Corps of Engineers (USACE) and the Regional Water Quality Control Board (RWQCB) occur onsite totaling 0.55 acre and 754 linear feet. Riparian, riverine, and streambeds considered jurisdictional by the California Department of Fish and Wildlife (CDFW) and the MSHCP were also observed on-site that total 0.94 acres and 754 linear feet.

The existing drainage pattern on-site consists of two separate major drainage areas. The majority of the site drainages from the southwest corner to the north including two off-site drainage facilities that outlet within the Project boundary. A smaller portion of the site drains from west to east. The two existing storm drain systems that currently surface outlet within the property have a combined projected 100-year flow of 158 cubic feet per second (cfs).

As further discussed in the Cultural Resources and Tribal Cultural Resources sections of this document, there are two previously unrecorded cultural resources identified on the Project site. Additionally, as a result of AB 52 consultation with the Pechanga Band of Luiseño Indians, three potential cultural reburial sites were identified within the Project boundary. Project design would include 0.62-acre of coast live oak preservation, relocation (if feasible) and/or replanting of elderberry shrub(s), and the three cultural reburial sites.

9. Surrounding Land Uses and Setting

As shown on Figure 1-5, and summarized in Table 1-1, *Surrounding Land Use Information*, the area to the west of the Project site is an existing residential development. North and east of the Project site are several existing homes. South of the Project site is undeveloped land designated for multiple-family residential land uses.

Table 1-1 Surrounding Land Use Information

	Land Use	General Plan	Zoning
Project Site	**Two Existing Residences and Vacant Land**	**Multiple-Family Residential (10.1-30 du/acre)**	**MF-2 (Multi-Family Residential 2)**
North	Several Residences	Multiple-Family Residential	MF-2
East	Several Residences	Multiple-Family Residential	MF-2
South	Undeveloped Land	Multiple-Family Residential	MF-2
West	Residential Development	Multiple-Family Residential	MF-2

10. Project Description

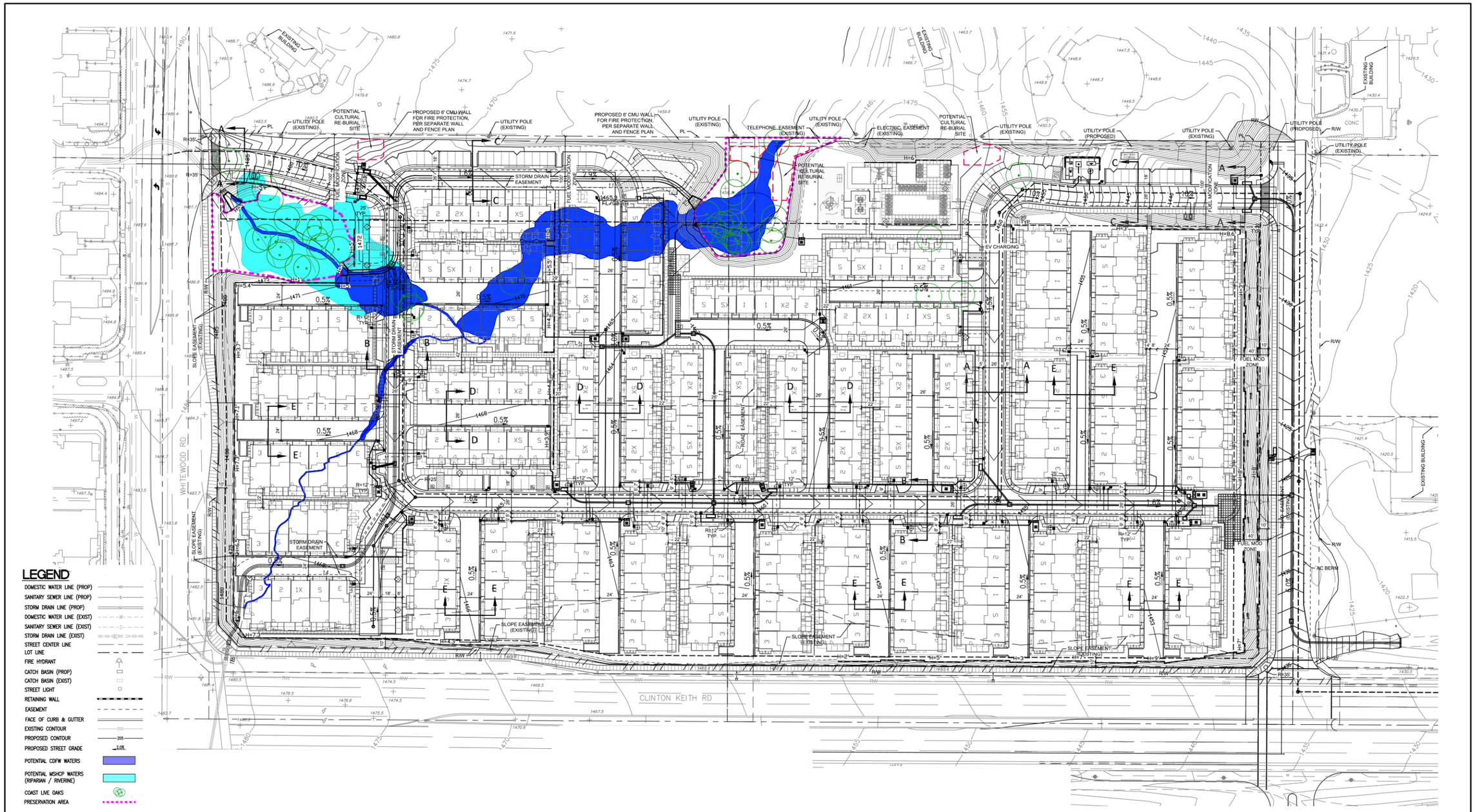
A list of primary actions related to the Project under City jurisdiction is provided in Table 1-2, *City of Murrieta Approvals/Permits*. The current entitlement applications for the Project are herein incorporated by reference pursuant to CEQA Guidelines Section 15150 and are available for review at the Murrieta Development Services Department located at 1 Town Square, Murrieta, CA 92562.

Table 1-2 City of Murrieta Approvals/Permits

City of Murrieta	Approvals and Decisions
Proposed City of Murrieta Discretionary Approvals	
City of Murrieta Planning Commission	• Approve the Notice of Exemption and finding of no additional environmental review because the Project is consistent with the Murrieta General Plan and would not result in any impacts peculiar to the Project site pursuant to CEQA Guidelines Section 15183. • Tentative Tract Map (TTM No. 38579 (MAP-2023-00014)) • Development Plan Permit (DP-2023-00014)

Development Permit No. 2023-00014

The Project includes a proposed Development Plan Permit (DP) No. 2022-2737 to provide for development of 243 multi-family residential homes at a density of 15.1 dwelling units per acre (du/ac) (Refer to Figure 1-9, *Conceptual Site Plan*). The Project also includes construction of a recreational pool area with an approximately 900 s.f. restroom and pool equipment building, tot lot, and 65,120 s.f. of total common open space areas throughout the site. The proposed 243 dwelling units comprise 2- and 3-story townhomes. Figure 1-10, *Building Elevations,* depicts the building elevations for the proposed buildings. The Project also includes construction of several retaining walls along the southeastern boundary of the Project site, eastern boundary of the Project site, segments of the northern Project boundary, and the western portion of the Project site that would be preserved as open space. Figure 1-11, *Conceptual Landscape Plan*, depicts the Project's conceptual landscape plan. A total of 629 parking spaces would be provided with 10% of spaces designated as electric vehicle (EV) spaces. Grading proposed by the Project would result in 16.64 acres of disturbance to the Project site. Access to the Project would be provided by two (2) full access driveways, one located on Arendt Lane, and the other located on Whitewood Road.



Source(s): Wilson Mikami Corporation (06-17-2024)

Figure 1-9

Not to Scale

Conceptual Site Plan

LEGEND

1 COMPOSITION ROOF SHINGLES	9 BOARD & BATTEN	17 WOOD POSTS / COLUMNS
2 WOOD BARGE BOARDS	10 STUCCO	18 METAL RAILING
3 WOOD OUTLOOKERS	11 WOOD TRIM	19 LOUVER DOORS
4 WOOD RAFTER TAILS	12 VINYL WINDOWS	20 SECTIONAL GARAGE DOOR
5 WOOD BEAM AND KICKERS	13 STUCCO SILL TRIM	21 DECORATIVE LOUVERS
6 DOCORATIVE VENT DETAIL	14 WOOD KICKERS AND METAL CANOPY	22 METAL CHIMNEY CAP
7 VERTICLE SIDING	15 METAL CANOPY	23 METAL GUTTER AND DOWNSPOUT
8 HORIZONTAL SIDING	16 STUCCO CORBELS	

FRONT ELEVATION

REAR ELEVATION

FRONT ELEVATION

REAR ELEVATION

LEGEND

1 COMPOSITION ROOF SHINGLES	9 BOARD & BATTEN	17 WOOD POSTS / COLUMNS
2 WOOD BARGE BOARDS	10 STUCCO	18 METAL RAILING
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7 VERTICLE SIDING	15 METAL CANOPY	23 METAL GUTTER AND DOWNSPOUT
8 HORIZONTAL SIDING	16 STUCCO CORBELS	

SIDE ELEVATION B

SIDE ELEVATION A

Source(s): RHA (12-19-2023)

Figure 1-10

Not to Scale

Building Elevations

LANDSCAPE NOTES:

1. Slopes shall be landscaped, at a minimum, according to City's Slope Landscaping, Requirements for Subdivision Tract and Commercial.
2. Plant materials within vehicular line of sight impact areas are to be limited to a maximum of 30" natural height.
3. Plants to be spaced for natural growth
4. Parking stalls adjacent to planting finger to receive 12" wide concrete step out stripes next to raised curb
5. All planting should appear naturalistic and no monocultural plantings shall be allowed.

PLANS PREPARED UNDER SUPERVISION OF A LICENSED LANDSCAPE ARCHITECT:
MATT JACKSON
PLA: 4403
EXP: 01/31/2024

PHASING NOTE:
PROJECT WILL BE CONSTRUCTED IN ONE PHASE. STREET FRONTAGE IMPROVEMENTS ARE PLANNED CONCURRENTLY WITH THE CONSTRUCTION THE ON-SITE WORK. ALL PERIMETER LANDSCAPE IMPROVEMENTS SHALL BE INSTALLED, INSPECTED AND APPROVED BY CITY'S LANDSCAPE INSPECTOR PRIOR TO FIRST OCCUPANCY FOR ANY BUILDINGS.

A COMPREHENSIVE LANDSCAPE PHASING EXHIBIT WILL BE NEEDED TO SHOW THE SCOPE OF PERIMETER LANDSCAPE PROVIDED PRIOR TO FIRST OCCUPANCY, AS WELL AS DELINEATE THE LANDSCAPING ANTICIPATED WITH EACH SUBSEQUENT PHASE OF OCCUPANCY.

NET SITE AREA: 17.26 AC
LANDSCAPE PERCENTAGE: 24%
LANDSCAPE IN PUBLIC ROW: 7,149 S.F

LANDSCAPE PLANS WILL COMPLY WITH CITY OF MURRIETA MC SECTION 16.28 - LANDSCAPE STANDARDS AND WATER EFFICIENCY LANDSCAPE.

THE ENTIRE SUBJECT PROPERTY IS LOCATED IN A LOCAL RESPONSIBILITY AREA (LRA) AND VERY HIGH FIRE HAZARD SEVERITY ZONE (VHFSZ) AND SUBJECT TO CBC CHAPTER 7A REQUIREMENTS.

Source(s): MJS (03-01-2024)

Figure 1-11

Not to Scale

Conceptual Landscape Plan

Product 1 (2-Story Townhome)

Plan Type	Program	Unit Size	Unit Count	Total
Plan 1	2 BD/2.5 BA	1,588 SF	43	68,284 SF
Plan 2	3 BD/2.5 BA	1,676 SF	46	77,096 SF
Plan 3	3+LOFT/BD-4BD/2.5	1,875 SF	46	86,250 SF
Total			135	233,630 SF

Product 2 (3-Story Townhome)

Plan Type	Program	Unit Size	Unit Count	Total
Plan 1	2 BD/2.5 BA	1,351 SF	36	48,636 SF
Plan 2	3 BD/2.5 BA	1,704 SF	36	61,344 SF
Plan 2X	3 BD/2.5 BA	1,807 SF	36	65,052 SF
Total			108	175,032 SF

The following roadways would provide access to the Project site:

- Whitewood Road – full access
- Arendt Lane Road – full access

Tentative Tract Map No. 38579

The Project also includes approval of Tentative Tract Map (TTM) No. 38579 (refer to Figure 1-14, *Tentative Tract Map No.* 38579), to establish 42 numbered lots (Lots 1 through 42) for the development of residential buildings allowed pursuant to the existing General Plan and zoning designations; and 24 letter lots (Lots A through X) for internal roadways.

Grading Plan and Utility Infrastructure

The proposed grading plan is shown on Figure 1-12, *Conceptual Grading Plan*. Based on the proposed grading plan, it is estimated that proposed earthwork and grading activities would result in approximately 96,000 cubic yards (cy) of cut material and 96,000 cy of fill materials with a maximum cut of 34 feet, resulting in a balanced site with no import or export of soil required. As illustrated on Figure 1-13, *Conceptual Utility Plan*, water, sewer, and storm drain systems are proposed onsite. The onsite utility infrastructure would connect to existing water, storm drain, and sewer infrastructure along the roadways adjacent to the Project site. The Project would construct an approximately 12-foot offsite Eastern Municipal Water District (EMWD) sewer line within Arendt Lane, continuing easterly within Clinton Keith Road and terminating near the northwest corner of Clinton Keith Road and Menifee Road. The Project would require annexation into EMWD and Metropolitan Water District (Metropolitan) for water service.

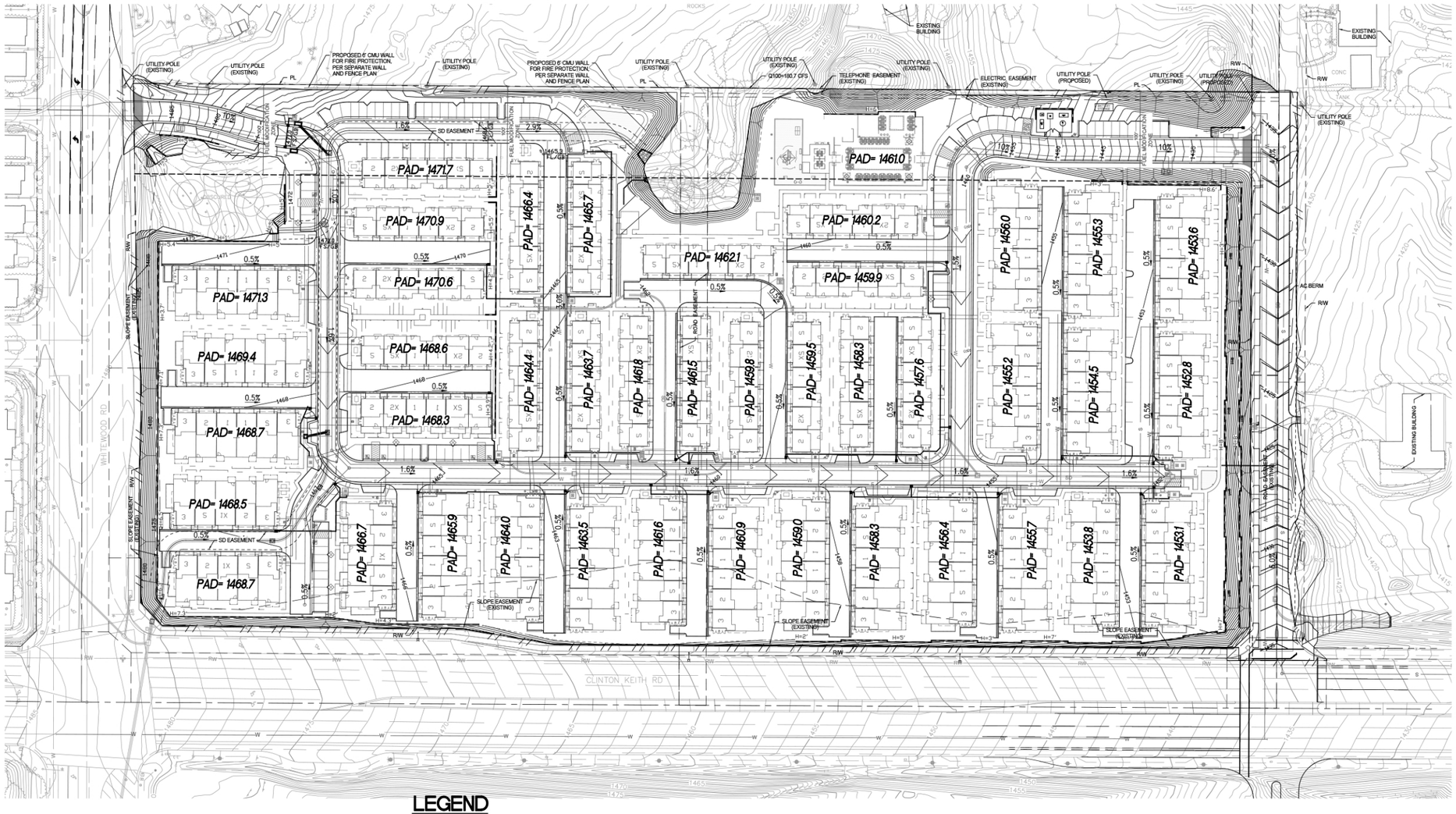
The Project also includes a temporary sewer lift station in the northeastern portion of the Project site. The location of the temporary lift station is shown on Figure 1-6. The design of the temporary sewer lift station is conceptual. Final design of the temporary lift station would be determined as part of final engineering. The Project would also connect to the existing dry utility infrastructure (electric, natural gas, and telecommunications) within the surrounding roadways.

The Project would utilize five major systems for collecting on-site drainage. Drainage Management Area (DMA) A, which comprises 9.9 acres, would collect runoff from the north and west portions of the Project site and would outlet at the streambed discharge point near the northern Project boundary. DMA B, which comprises 7.9 acres, would collect the runoff from the south and east portions of the Project site and would outlet at the low point at the east side of the Project site. Within the DMAs, several drainage lines would convey stormwater flows. Proposed Line 'A' would be an extension of the existing 60-inch Line 'D' and would transport the off-site drainage through the Project. Proposed Line 'B' is an extension of the existing Line 'B' and would join the existing system at the southwest corner of the Project site and would ultimately connect to Line 'A'. Line 'C' would collect the remaining portion of drainage from DMA A. An underground detention basin is proposed at the downstream end of Line 'C' to mitigate any additional flows expected from the proposed improvements within DMA A. Line 'D' would collect the drainage from the entry portion of Street C and Arendt Lane to ultimately discharge at the natural outlet point along the eastern edge of the Project site. Line 'E' would collect the drainage from the west and south portions of the Project and would ultimately connect to Line 'D' near the outlet location. Prior to connecting to Line 'D', a detention basin is proposed at the downstream end of Line 'E'.

Brush Management

Figure 1-11 depicts the Project's conceptual landscape plan. As shown, the Project would include landscaping throughout the proposed development area. As further discussed in Section 2.20, *Wildfire*, the structures along the northern portion of the Project site cannot achieve the required 100 feet of fuel modification zones (FMZ) due to lot constraints and Project boundary limitations. Therefore, alternative compliance brush management and construction methods would be required. A *Fire Protection Plan* (FPP) was prepared for the Project by Dudek (Dudek, 2024) to evaluate and identify the potential fire risk associated with the Project's land uses and is included as *Technical Appendix K* of this document. The FPP identifies the following Project design features in order to mitigate potential fire risks:

- Application of Chapter 7A of the California Building Code, ignition resistant requirements along with applicable sections of the 2022 CRC, including Section R302, subsection 302.2.2.
- Minimum 1-hour rated exterior walls and doors.
- Multi-pane glazing with a minimum of one tempered pane, fire-resistance rating of not less than 20 minutes when tested according to NFPA 257, or be tested to meet the performance requirements of State Fire Marshal Standard 12-7A-2. For structures located along the northern edge of the property unable to achieve the full 100 feet of FMZs, dual pane dual tempered glass windows will be installed on exposed sides of residential structures.
- Ember resistant vents (recommend BrandGuard or similar vents).
- Installation of an NFPA 13D, automatic residential interior fire sprinkler system within each individual townhouse unit to code for occupancy type.
- Low home ignitability, including construction materials and 10 meters of vegetation modification.



LEGEND

DOMESTIC WATER LINE (PROP)	—W—	FIRE HYDRANT		EXISTING CONTOUR	205
SANITARY SEWER LINE (PROP)	—S—	CATCH BASIN (PROP)		PROPOSED CONTOUR	205
STORM DRAIN LINE (PROP)	SD	CATCH BASIN (EXIST)		PROPOSED STREET GRADE	2.0%
DOMESTIC WATER LINE (EXIST)	W	STREET LIGHT			
SANITARY SEWER LINE (EXIST)	S	RETAINING WALL			
STORM DRAIN LINE (EXIST)	SD	EASEMENT			
STREET CENTER LINE		FACE OF CURB & GUTTER			
LOT LINE					

Source(s): Wilson Mikami Corporation (06-17-2024)

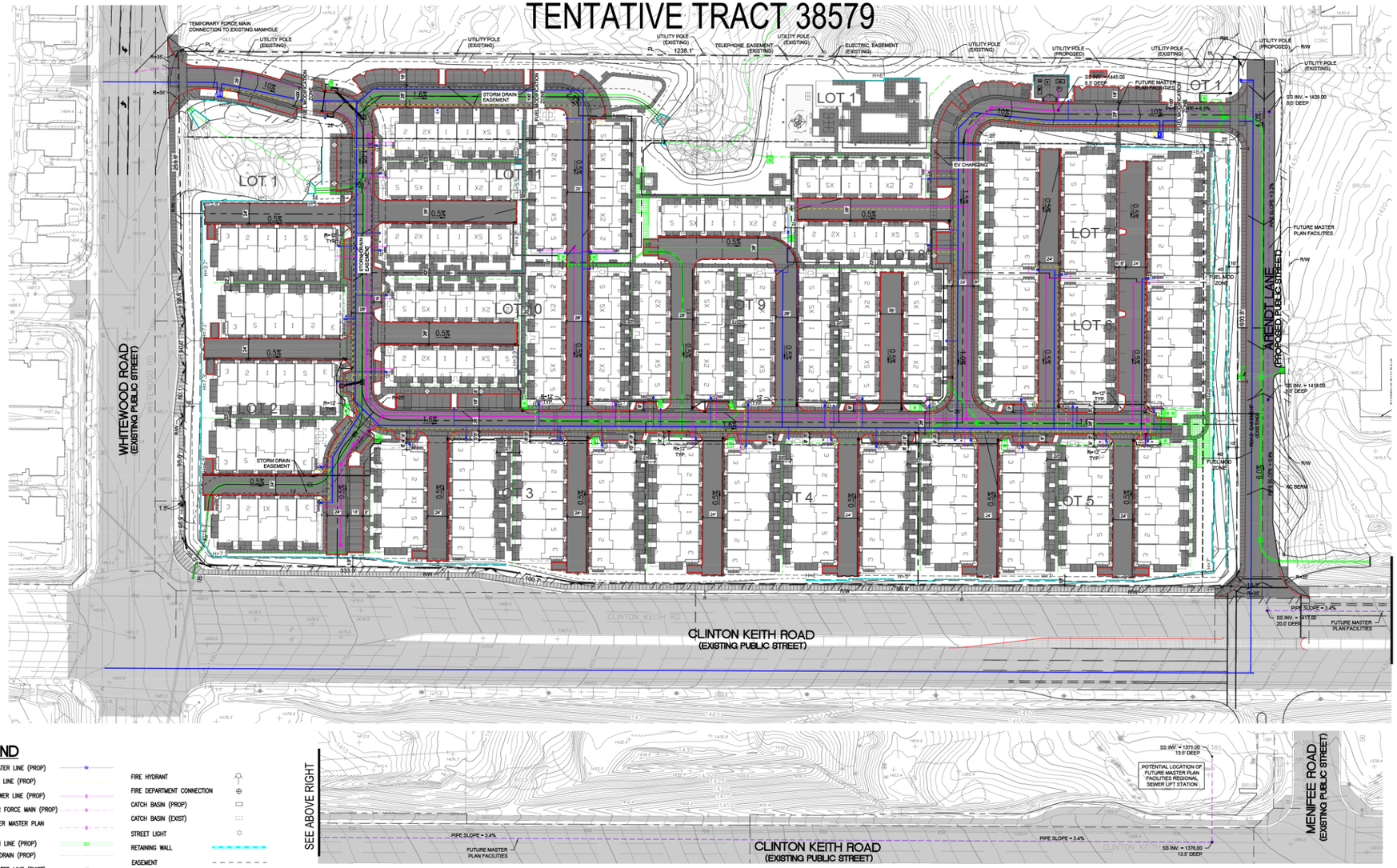
Figure 1-12

Not to Scale

Conceptual Grading Plan

IMPROVEMENT PLAN

TENTATIVE TRACT 38579



Source(s): Wilson Mikami Corporation (06-17-2024)

Figure 1-13

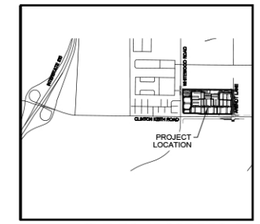
Not to Scale

Conceptual Utility Plan

VICINITY MAP

TENTATIVE TRACT MAP 38579

FOR MULTI-FAMILY CONDOMINIUM PURPOSES



LOCATION MAP

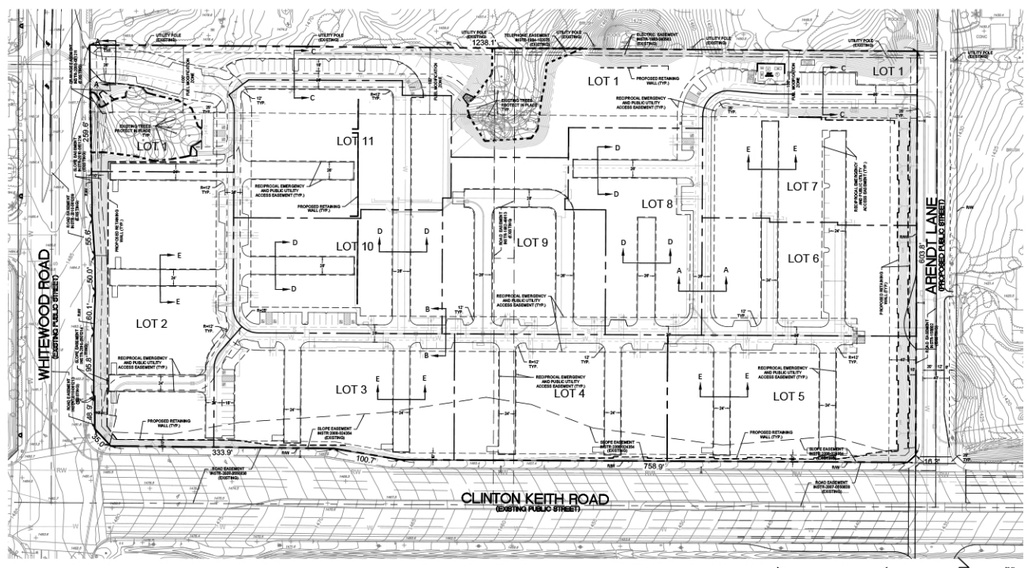
LEGAL DESCRIPTION:

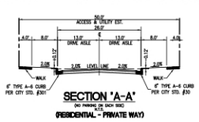
PARCEL 1 AND 2 OF PARCEL MAP 15203, IN THE CITY OF MURRIETA, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, ACCORDING TO MAP ON FILE IN BOOK 80, PAGES 99 AND 100 OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

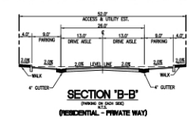
PARCEL 3 AND 4 OF CERTIFICATE OF COMPLIANCE AND WAIVER OF PARCEL MAP 589 RECORDED NOVEMBER 01, 1978 AS INSTRUMENT NO. 1978-230835 OF OFFICIAL RECORDS, COUNTY OF RIVERSIDE, CALIFORNIA.

GENERAL NOTES

1. EXISTING LAND USE: FAMILY RESIDENTIAL
   APN: 392-330-003, 007, 020 AND 021
2. PROPOSED LAND USE: MULTI-FAMILY RESIDENTIAL CONDOMINIUMS
3. EXISTING ADJACENT LAND USES: NORTH: MF-2 (MULTI-FAMILY RESIDENTIAL 2) ZONING DISTRICT
   WEST: MF-2 (MULTI-FAMILY RESIDENTIAL 2)
   EAST: MF-2 (MULTI-FAMILY RESIDENTIAL 2)
   SOUTH: MF-2 (MULTI-FAMILY RESIDENTIAL 2)
4. GENERAL PLAN USE: MULTI-FAMILY RESIDENTIAL 2
5. EXISTING ZONING: MF-2 (MULTI-FAMILY RESIDENTIAL 2)
6. PROJECT IS LOCATED IN THE VERY HIGH FIRE SEVERITY ZONE. ALL STRUCTURES SHALL COMPLY WITH ALL CBC CHAPTER 7A REQUIREMENTS.
7. ELECTRICAL SERVICE WILL BE PROVIDED BY SOUTHERN CALIFORNIA EDISON COMPANY. ALL NEW ELECTRICAL SERVICE LINES WILL BE PLACED UNDERGROUND.
8. GAS SERVICE WILL BE PROVIDED BY SOUTHERN CALIFORNIA GAS COMPANY
9. TELEPHONE SERVICE WILL BE PROVIDED BY AT&T.
10. CABLE T.V. SERVICES WILL BE PROVIDED BY FRONTIER COMMUNICATIONS.
11. DOMESTIC WATER, RECLAIMED WATER AND SEWER SERVICE WILL BE PROVIDED BY: EASTERN MUNICIPAL WATER DISTRICT.
12. PROPOSED SEWER FACILITIES: STANDARD LATERAL CONNECTIONS TO EXISTING SEWER SYSTEM SHALL BE IN ACCORDANCE WITH EASTERN MUNICIPAL WATER DISTRICT'S STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF WATER, SEWER AND RECLAIMED WATER FACILITIES.
13. PROPOSED WATER FACILITIES: STANDARD DOMESTIC WATER CONNECTIONS TO EXISTING WATER SYSTEM SHALL BE IN ACCORDANCE WITH EASTERN MUNICIPAL WATER DISTRICT'S STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF WATER, SEWER AND RECLAIMED WATER FACILITIES
14. THE DEVELOPER RESERVES THE RIGHT TO FILE MULTIPLE FINAL MAPS FOR THIS TENTATIVE TRACT MAP.
15. MAINTENANCE OF ALL PRIVATE LETTERED LOTS SHALL BE THE RESPONSIBILITY OF THE PROPERTY MANAGEMENT COMPANY.
16. A PORTION OF THE PROPOSED STORM DRAIN SYSTEM WITHIN THE LIMITS OF THIS PROJECT WILL BE PRIVATELY OWNED AND MAINTAINED.
17. THIS PROJECT IS LOCATED IN FLOOD ZONE "X" PER FIRM MAP NO. 06065C2710G EFFECTIVE DATE: AUGUST 28, 2008.
18. DRAINAGE OF THIS PROJECT WILL BE CONVEYED BY MEANS OF A STORM DRAIN SYSTEM CONSISTING OF VARYING SIZES OF STORM DRAIN PIPE AND AREA DRAINS.
19. TOTAL LENGTH OF PROPOSED PUBLIC STREETS IS 625 L.F.
20. TOTAL PROJECT GROSS ACREAGE IS 17.26 ACRES
21. ALL LETTERED LOTS SHOWN ON THIS MAP MAY BE DIVIDED ON THE FINAL MAPS INTO MULTIPLE LOTS FOR PHASING, FINANCING, CONSTRUCTION OR DEDICATION PURPOSES UPON APPROVAL BY THE CITY ENGINEER.
22. ALL PROPOSED UTILITIES WILL BE UNDERGROUND.
23. SCHOOL DISTRICT IS MENIFEE UNIFIED SCHOOL DISTRICT.
24. ALL SIDEWALKS, CURB RETURNS, AND PEDESTRIAN CROSSINGS MUST MEET THE TITLE 24 AND AMERICAN DISABILITIES ACT REQUIREMENTS.
25. AN EASEMENT FOR EMERGENCY ACCESS AND PUBLIC SERVICE VEHICULAR INGRESS AND EGRESS PURPOSES WILL BE PROVIDED OVER PRIVATE STREETS AND COURTS.
26. RECIPROCAL ACCESS EASEMENTS AND LANDSCAPE MAINTENANCE EASEMENTS INDICATED ON THIS MAP WILL BE RECORDED BY SEPARATE INSTRUMENT AND WILL NOT BE INCLUDED ON THE FINAL MAP.
27. 257 MULTI-FAMILY RESIDENTIAL CONDOMINIUM ARE PROPOSED.
28. ALL EXISTING STRUCTURES ARE TO BE REMOVED.
29. RESIDENTS WILL STORE THEIR WASTE CARTS WITHIN THEIR UNIT GARAGE ON DAYS BETWEEN TRASH PICKUP DAYS.
30. UTILITIES AND LIGHT STANDARD LOCATIONS TO BE COORDINATED WITH ENGINEERING TEAM TO AVOID CONFLICTS WITH REQUIRED TREE LOCATIONS AND UTILITY SCREENING




SECTION 'A-A'
(RESIDENTIAL - PRIVATE WAY)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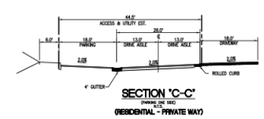
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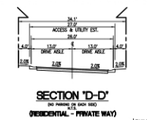
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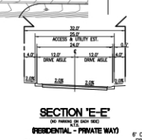
(RESIDENTIAL - PRIVATE WAY)


SECTION 'E-E'
(RESIDENTIAL - PRIVATE WAY)

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF A DEVELOPMENT PLAN PERMIT AND TENTATIVE TRACT MAP ON A 17.26-ACRE SITE. THE PROJECT WOULD PROVIDE FOR DEVELOPMENT OF 243 MULTI-FAMILY RESIDENTIAL HOMES AT A DENSITY OF 15.1 DWELLING UNITS PER ACRE (DU/AC). THE PROJECT ALSO INCLUDES CONSTRUCTION OF A RECREATIONAL POOL AREA WITH ±900 SF RESTROOM AND POOL EQUIPMENT BUILDING, TOT LOT AND 65,120 SF OF TOTAL COMMON OPEN SPACE AREAS THROUGHOUT THE SITE. THE PROPOSED 243 DWELLING UNIT PROJECT CONSISTS OF 2- AND 3-STORY TOWNHOMES. A TOTAL OF 629 PARKING SPACES WOULD BE PROVIDED WITH 10% OF SPACES DESIGNATED AS FUTURE ELECTRIC VEHICLE (EV) SPACES. GRADING PROPOSED BY THE PROJECT WOULD RESULT IN 16.64 ACRES OF DISTURBANCE TO THE PROJECT SITE. ACCESS TO THE PROJECT WOULD BE PROVIDED BY TWO (2) FULL ACCESS DRIVEWAYS, ONE LOCATED ON ARENDT LANE, AND THE OTHER LOCATED ON WHITEWOOD ROAD.

LOT SUMMARY

LOT #	UNITS	PROP. USE	AREA (SF)	AREA (AC)	OWNERSHIP/MAINT.
LOT 1	--	LANDSCAPE	131,867	3.03	HOA
LOT 2	28	RESIDENTIAL	81,280	1.87	--
LOT 3	23	RESIDENTIAL	63,386	1.46	--
LOT 4	24	RESIDENTIAL	60,101	1.38	--
LOT 5	24	RESIDENTIAL	70,059	1.61	--
LOT 6	18	RESIDENTIAL	54,551	1.25	--
LOT 7	18	RESIDENTIAL	61,306	1.41	--
LOT 8	24	RESIDENTIAL	51,595	1.18	--
LOT 9	30	RESIDENTIAL	59,326	1.36	--
LOT 10	24	RESIDENTIAL	55,060	1.26	--
LOT 11	30	RESIDENTIAL	63,357	1.45	--
TOTAL	243		751,888	17.26	

BUILDING SUMMARY

PRODUCT 1 (2-STORY TOWNHOME)

PLAN TYPE	PROGRAM	UNIT SIZE	UNIT COUNT	TOTAL
PLAN 1	2 BD/2.5 BA	1,588 SF	43	68,284 SF
PLAN 2	3 BD/2.5 BA	1,676 SF	46	77,096 SF
PLAN 3	3+LOFT/BD-4 BD/2.5 BA	1,875 SF	46	86,250 SF
TOTAL			135	233,630 SF

PRODUCT 2 (3-STORY TOWNS)

PLAN TYPE	PROGRAM	UNIT SIZE	UNIT COUNT	TOTAL
PLAN 1	2 BD/2.5 BA	1,351 SF	36	48,636 SF
PLAN 2	3 BD/2.5 BA	1,704 SF	36	61,344 SF
PLAN 2X	3 BD/2.5 BA	1,807 SF	36	65,052 SF
TOTAL			108	175,032 SF

PARKING REQUIRED

UNIT TYPE	UNIT COUNT	PARKING REQ.	TOTAL
2 BEDROOM	79	X 2	158
3 BEDROOM	164	X 2.5	410
TOTAL	243		568
GUEST PARKING REQUIRED		(243 X 0.25)	61

TOTAL PARKING REQUIRED: 629 SPACES*

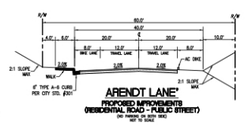
PARKING PROVIDED
GARAGE SPACES: 486 SPACES
ON-SITE STREET SPACES: 143 SPACES
TOTAL PARKING PROVIDED: 629 SPACES (2.59 SPACES PER UNIT)

* INCLUSIVE OF THE FOLLOWING:
ACCESSIBLE SPACES
2% OF RESIDENT/ASSIGNED SPACES 12
5% OF GUEST SPACES 3
TOTAL: 15
(VAN ACCESSIBLE: 1 IN EVERY 8 ACCESSIBLE SPACES = 2)

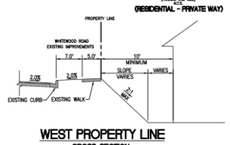
EV SPACES (% OF TOTAL SPACES)
WIRED FOR FUTURE EV RECEPTACLES: 10% = 63 (LOCATED IN GARAGES)
HAVING EV RECEPTACLES: 25% = 157 (LOCATED IN GARAGES)
EQUIPPED WITH EV CHARGING STATION: 5% = 32 (1 AT REC. CTR., 32 IN GARAGES)

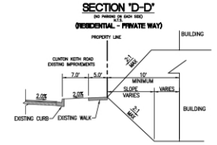
LEGEND
PROPOSED LOT LINE
PROPOSED SLOPE (2:1 MAX.)
PROPOSED RETAINING WALL
PROPOSED PRESERVATION AREA
PROPOSED EASEMENT FOR UTILITIES, ACCESS AND EMERGENCY ACCESS PURPOSES

WHITEWOOD ROAD
EXISTING IMPROVEMENTS
(MAJOR HIGHWAY - PUBLIC STREET)


ARENDT LANE
PROPOSED IMPROVEMENTS
(RESIDENTIAL ROAD - PUBLIC STREET)

CLINTON KEITH ROAD
EXISTING IMPROVEMENTS
(URBAN ARTERIAL - PUBLIC STREET)


WEST PROPERTY LINE
CROSS-SECTION


SOUTH PROPERTY LINE
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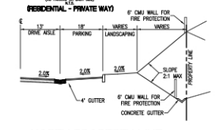
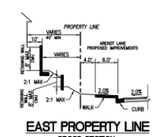

NORTH PROPERTY LINE
CROSS-SECTION


EAST PROPERTY LINE
CROSS-SECTION

Source(s): Wilson Mikami Corporation (06-17-2024)

Figure 1-14

Not to Scale

- Non-combustible, heat-deflecting wall 6 feet in height along the northern Project boundary.

Refer to the Project-specific FPP (*Appendix K*) for a detailed discussion on proposed FMZs.

Construction Activities

The Project would include on-site construction as well as off-site utility connections in Ardent Lane, Whitewood Road, and Clinton Keith Road. The Project also includes roadway improvements for site access on Whitewood Road, Clinton Keith Road, and Ardent Lane. All of the proposed utility connections and roadway improvements would occur within the existing right-of-way. The Project's anticipated construction schedule and estimated durations for purposes of analysis in this document are identified in Table 1-3, *Estimated Construction Schedule*. As shown, construction activities are anticipated to commence in 2024. As time passes, air quality emission factors for construction decrease because emission regulations become more stringent as the analysis year increases. Thus, this construction schedule provides a "worst-case" assessment of potential construction related impacts.

Construction activities would require the use of common construction equipment, and construction equipment is conservatively expected to operate on the Project site up to eight hours per day.

Table 1-3 Estimated Construction Schedule

Phase Name	Start Date	End Date	Days
Demolition	1/01/2024	1/19/2024	15
Site Preparation	1/22/2024	1/31/2024	8
Grading	2/01/2024	3/01/2024	22
Building Construction	3/04/2024	12/30/2024	216
Paving	12/09/2024	12/30/2024	16
Architectural Coating	11/01/2024	12/30/2024	42

The maximum depth of excavation is approximately 20 feet for utility installation; however, the maximum depth of over-excavation for grading is approximately 30 feet deep.

11. Other Public Agencies Whose Approval is Required

This document covers all federal, State, local government, and quasi-government approvals which may be needed to construct or implement the Project whether they are explicitly listed in Table 1-4 below or elsewhere in this document.

Table 1-4 Project-Related Agency Approvals/Permits

US Army Corps of Engineers	• Section 404 permit for any impacts to areas determined to be under the jurisdiction of the Corps
California Department of Fish and Wildlife	• Streambed Alteration Agreement pursuant to Section 1602 of the California Fish and Game Code for any impacts to areas determined to be under the jurisdiction of the CDFW.
San Diego Regional Water Quality Control Board (RWQCB)	• Issuance of a Construction Activity General Construction Permit. • Issuance of a National Pollutant Discharge Elimination System (NPDES) Permit. • Issuance of a Section 401 Water Quality Certification for any impacts to areas determined to be under the jurisdiction of the RWQCB.
Southern California Edison (SCE)	• First Release Letter
]	
Eastern Municipal Water District	• Approval of an annexation into the water district. • Administrative approvals for the design of on and offsite sewer and water infrastructure. • Will-Serve" Request Letter
Metropolitan Water District (Metropolitan)	• Approval of an annexation into the water district. • Administrative approvals for the design of on and offsite water infrastructure.
Other Utility Agencies	• Permits and associated approvals, as necessary for the installation of new utility infrastructure or connections to existing facilities.

12. Have Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code Section 21080.2.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

As discussed in Section 2.18, Tribal Cultural Resources, of this document, the Pechanga Band of Indians requested consultation with the City pursuant to Public Resources Code Section 21080.2.1. The Pechanga Band of Indians requested to participate in the environmental review process and the development of appropriate Project conditions of approval (PCOAs). Potential impacts to tribal cultural resources have been determined to be less than significant with incorporation of PCOAs agreed to between the City and the Pechanga Band of Indians.

13. Environmental Documentation

In conjunction with its adoption of the City's General Plan 2035, the City has previously certified the *Final Environmental Impact Report for the Murrieta General Plan 2035* (SCH No. 2010111084), certified July 2011 (2011 EIR). With its adoption of the General Plan Update, the City certified the *Final Supplemental Environmental Impact Report for the Murrieta General Plan 2035* (SCH No. 2010111084) in June 2020 (2020 SEIR). These environmental impact reports (EIRs), which are incorporated by reference into this environmental document, are collectively referred to herein as the "General Plan EIRs."

Specifically, in July 2011, the City certified the 2011 EIR for the Murrieta General Plan 2035 (referred to herein as the "General Plan 2035") as a program level EIR to guide the physical development of the City; the City's Climate Action Plan (CAP) was adopted concurrently with the General Plan 2035. General Plan 2035 was a comprehensive update to the City's 1994 General Plan and included updates to the elements that were included in the 1994 General Plan and the addition of two new elements. The General Plan 2035 included the following elements: Land Use, Economic Development, Circulation, Infrastructure, Healthy Community, Conservation, Recreation and Open Space, Air Quality, Noise, Safety, and Housing. The General Plan 2035 evaluated in the 2011 EIR anticipated development of the North Murrieta Business Corridor Focus Area, which includes the Project site, with a mix of Office and Research Park and Commercial uses. The 2011 EIR addressed all the environmental topics included in Appendix G of the CEQA Guidelines at the time the 2011 EIR was prepared. The 2011 EIR concluded that most of the environmental impacts resulting from implementation of the General Plan 2035 would be less than significant or reduced to a level that is considered less than significant with the adoption of mitigation measures (MMs). However, air quality impacts (short-term construction emissions and long-term mobile and stationary emissions), noise impacts (cumulative operational noise impacts), transportation impacts (deficient roadway segment and intersection Level of Service [LOS]), and recreation impacts (inadequate availability of parkland, trails, etc.) were identified as significant and unavoidable impacts to the environment resulting from the General Plan 2035 in the 2011 EIR. For those environmental topics, the City adopted a Statement of Overriding Considerations (SOC).

In July of 2020, the City certified the 2020 SEIR and approved an update to the General Plan 2035 (this update and the resulting General Plan are referred to herein as the "General Plan Update"). In conjunction with the General Plan Update, the City also approved a CAP Update and Zone Change/Zone Code Amendment. Major components of the General Plan Update evaluated in the 2020 SEIR included the following:

- Additions, deletions, or modifications to the General Plan 2035 goals, policies, exhibits and implementation to address changes in State law enacted since the adoption of the General Plan 2035.
- Update of General Plan 2035 development projections to the year 2035.
- Update of the General Plan 2035 Land Use Policy Map in six key areas.
- Update of the Land Use Element with a new land use designation (Innovation) and a revised mix and location of land use designations in six key areas.
- Revisions to the General Plan 2035 Focus Areas exhibits, text and policies.
- Creation of one new zoning district (Innovation) with a zone change and revisions to the City's Development Code to address the new zone with a Zone Code Amendment.
- Update of emissions inventory, projections, targets, and greenhouse gas emissions (GHG) reduction strategies and measures for the CAP Update.
- Update of the existing Zoning Map so that it is consistent with the proposed General Plan Update Land Use Policy Map as shown on the proposed Zoning Map.

The General Plan Update addressed in the 2020 SEIR anticipated development of the Project site with Multiple-Family Residential uses (refer to Figure 1-3, General Plan Land Use Map).

The 2020 SEIR augmented the 2011 EIR and addressed a limited scope which included the following topical issues: Land Use, Transportation, Air Quality, GHG Emissions, and Wildfire. The 2020 SEIR identified new significant and unavoidable impacts to the environment related to air quality (short-term construction, long-term mobile and stationary source, and cumulative long-term mobile and station source emissions), and transportation (project and cumulative roadway segment and intersection LOS impacts), and adopted a SOC for these impacts. The 2020 SEIR also reviewed environmental impacts and mitigation measures for each subject area addressed in the 2011 EIR to determine if the General Plan Update would result in significant changes and/or new impacts not previously addressed. The reasons the remaining topical issues were found not to be significant in the 2020 SEIR were described in Section 5.0, Subject Areas Not Discussed in Detail, of the 2020 SEIR, and are summarized in this environmental document.

The 2011 EIR identifies its intended use as a Program EIR or "first tier EIR" and cites PRC Section 21068.5, which defines "tiering" as:

"the coverage of general matters and environmental effects in an environmental impact report prepared for a policy, plan, program or ordinance followed by narrower or site-specific environmental impact reports which incorporate by reference the discussion in any prior environmental impact report and which concentrate on the environmental effects which (a) are capable of being mitigated, or (b) were not analyzed as significant effects on the environmental in the prior environmental impact report."

The 2011 EIR established that "subsequent development projects proposed within the City must be reviewed in the context of this Program EIR to determine if additional environmental documentation is required. If the subsequent project would have environmental effects not addressed in the Program EIR, additional environmental review will be required." It further stated:

"Where no new effects and no new mitigation measures are involved, the subsequent project can be approved without additional environmental documentation. Where an EIR is required for a subsequent project, the EIR should implement the applicable mitigation measures developed in the Program EIR, and focus its analysis on site specific issues not previously addressed."

The 2020 SEIR reaffirms this approach and states that it is "intended for use by the City in streamlining environmental documentation for future development projects that could consider tiering from this document."

The 2011 EIR also identifies that it is considered a second-tier EIR for the topic of biological resources and that "the analysis in this [2011] EIR has: 1) incorporated by reference the Western Riverside County Multiple Species Habitat Conservation Plan Final EIR . . . certified for the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) in June 2003. The Final EIR/EIS analyzed the impacts associated with adopting the MSCHP, including the issuance of "Take" permits for certain species pursuant to Section 10(a)(1)(B) of the Federal Endangered Species Act and Section 2800 et seq. of the California

Fish and Game Code. The MSCHP was previously described in Section 2.7, Incorporation by Reference, as were the five CEQA/NEPA (National Environmental Policy Act) topical areas reviewed in the Final EIR/EIS. The Western Riverside County Multiple Species Habitat Conservation Plan Final EIR/EIS is considered a first-tier EIR."

In conjunction with certification of the 2020 SEIR the City also adopted a Mitigation Monitoring and Reporting Program (MMRP) (refer to herein as the "General Plan EIR MMRP"), which incorporates mitigation measures from the 2011 EIR and is included in Appendix A to this document. The MMRP contained in the 2020 SEIR incorporated all of the 2011 EIR mitigation measures. The General Plan EIR MMRP ensures that identified mitigation measures are properly implemented. Projects implementing the General Plan Update, such as the Project, are required to incorporate applicable mitigation measures included in the General Plan EIR MMRP. Therefore, all relevant mitigation measures from the General Plan EIR MMRP are incorporated into the Project and would be implemented during construction and future operations. Applicable mitigation measures are listed in the introduction to the analysis for each topical issue in Section 2, Analysis, of this document. In addition to the General Plan EIR MMRP mitigation measures relevant to the Project, this document identifies and proposes for adoption certain Project-specific conditions of approval based on applicable general development policies, including general plan policies, or standards adopted by the City with respect to impacts to biological resources, impacts to cultural and tribal resources, and noise impacts.

14. Streamlining of Environmental Review

CEQA Guidelines Section 15152(h) identifies a series of methods, in addition to tiering, that lead agencies may use to streamline the environmental review process and, where multiple methods may apply, provides discretion to a lead agency as to which to choose. Other methods identified include "(7) Projects consistent with community plan, general plan, or zoning (Section 15183)".

Tiering

As indicated in Section 13 above, tiering is appropriate and encouraged when a project is consistent with the general plan and zoning of the city, and no further environmental documentation is required if (a) all potential impacts of the Project have been mitigated or avoided as a result of the prior EIR and adopted findings in connection with that prior EIR, and (b) all potential impacts have been examined at a sufficient detail in the prior EIR to enable those effects to be mitigated or avoided by site-specific revisions.[1] The City's SEIR also seeks to address impacts identified in the General Plan EIRs as significant and unavoidable and does not require further analysis if such measures cannot be mitigated to avoid or substantially lessen the significant impacts despite the project proponent's willingness to accept all feasible mitigation measures, if and the only purpose of including analysis of such effects in another EIR would be to put the agency in a position to adopt a statement of overriding considerations with respect to the effects.

[1] CEQA Guidelines Section 15152 allows for further analysis pursuant to an EIR or negative declaration but also establishes that future environmental documents must be limited to effects not adequately addressed in the initial EIR and sets forth standards for when significant effects have been adequately addressed.

Exemption

Pursuant to PRC Section 21083.3 and CEQA Guidelines Section 15183 and based on the analysis presented in this Initial Study, the City may rely upon the analysis in the certified General Plan EIRs and determine that the Project is exempt from further CEQA review. PRC Sections 21083.3(a) and (b) provide additional requirements for streamlining in the following circumstances, which are further described in CEQA Guidelines Section 15183:

> (a) If a parcel has been zoned to accommodate a particular density of development or has been designated in a community plan to accommodate a particular density of development and an environmental impact report was certified for that zoning or planning action, the application of this division to the approval of any subdivision map or other project that is consistent with the zoning or community plan shall be limited to effects upon the environment which are peculiar to the parcel or to the project and which were not addressed as significant effects in the prior environmental impact report, or which substantial new information shows will be more significant than described in the prior environmental impact report.
>
> (b) If a development project is consistent with the general plan of a local agency and an environmental impact report was certified with respect to that general plan, the application of this division to the approval of that development project shall be limited to effects on the environment which are peculiar to the parcel or to the project and which were not addressed as significant effects in the prior environmental impact report, or which substantial new information shows will be more significant than described in the prior environmental impact report.

An effect of a project upon the environment "shall not be considered peculiar to the parcel or to the project, for purposes of this section, with a finding based upon substantial evidence, which need not include an environmental impact report, that the development policies or standards will substantially mitigate that environmental effect when applied to future projects, unless substantial new information shows that the policies or standards will not substantially mitigate the environmental effect." PRC Section 21083.3(d).

The Project meets the requirements of each of PRC Section 21083.3(a) and (b) in that it is consistent with the density of development and other elements of the General Plan Update and an EIR was certified with respect to the General Plan Update. Accordingly, pursuant to CEQA Guidelines 15183(b), the environmental analysis of the Project is limited to environmental effects that (a) are peculiar to the Project or Project Site, (b) were not analyzed as significant effects in the General Plan EIRs, (c) have potential significant off-site impacts and cumulative impact which were not discussed in the General Plan EIRs, or (d) have previously identified significant effects which as a result of substantial new information not known at the time the SIER was certified, have a more severe adverse impact than discussed in the General Plan EIRs.

PRC Section 21083.3(c) indicates that "all public agencies with authority to mitigate the significant effects shall undertake or require the undertaking of any feasible mitigation measures specified in the prior environmental impact report relevant to a significant effect which the project will have on the

environment or, if not, then the provisions of this section shall have no application to that effect. The lead agency shall make a finding, at a public hearing, as to whether those mitigation measures will be undertaken."

As demonstrated by the analysis presented in Section 2.0 below, all potentially significant impacts of the Project are mitigated with the incorporation of the applicable mitigation measures set forth in the General Plan EIRs and certain uniformly applied development policies, including General Plan policies, or standards that have been previously adopted by the city or incorporated into the General Plan EIRs. Accordingly, there are no environmental effects peculiar to the Project site or Project. In addition, as demonstrated below, there are no environmental effects that were not addressed as significant effects in General Plan EIRs and no potentially significant off-site impacts and cumulative impact which were not discussed in the General Plan EIRs and there is no new information not known at the time the 2020 SEIR was certified that could result in the Project having a more severe adverse impact than discussed in the General Plan EIRs.

Therefore, this environmental document is also prepared pursuant to the provisions of the PRC Section 21083.3 and CEQA Guidelines Section 15183.

Conclusion

Because the General Plan EIRs analyzed anticipated growth in Murrieta, including development of the Project site with residential uses, the General Plan EIRs are intended to assist the City in streamlining environmental documentation, and the Project would be developed with uses consistent with the City's General Plan Update and in compliance with the City's applicable Development Code Standards, the City has determined that in evaluating whether further environmental review is required, it is appropriate to consider whether, under PRC Section 21083.3, CEQA Guidelines Section 15183, and/or the CEQA tiering provisions, there are any peculiar effects not addressed in the General Plan EIRs, any significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs or any new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

This environmental analysis demonstrates that under either the exemption or tiering approaches authorized by CEQA as described above and analyzed in this environmental document, the Project would not result in any peculiar or new significant impacts that are not examined in the General Plan EIRs and there is no significant increase in the previously identified impacts.

With respect to tiering, the environmental analysis in this document demonstrates that all potential impacts of the Project have been mitigated or avoided as a result of the General Plan EIRs and adopted findings in connection with the General Plan EIRs, have been examined at a sufficient detail in the General Plan EIRs to enable those effects to be mitigated or avoided by site-specific revisions, the imposition of conditions, or by other means with the approval of the later project; and, with respect to impacts on parks and recreation, which were determined in the General Plan EIRs to be significant and unavoidable, cannot be mitigated to avoid or substantially lessen the significant impacts despite the project proponent's willingness to accept all feasible mitigation measures, and the only purpose of including analysis of such

effects in another EIR would be to put the agency in a position to adopt a statement of overriding considerations with respect to the effects.

Alternatively, with respect to PRC Section 21083.3 and CEQA Guidelines Section 15183,the analysis in Section 2.0 below demonstrates that after taking into account the analysis in the General Plan EIRs and with application to the Project of uniformly applied development policies, including General Plan policies, or standards that substantially mitigate any environmental effect of the Project, there are no environmental effects that are peculiar to the Project or the Project site, or that were not analyzed as significant effects in the General Plan EIRs or for which substantial new information which was not known at the time the 2020 SEIR was certified shows the Project would have a more severe adverse impact than discussed in the General Plan EIRs. Thus, applying Section 21083(b) and CEQA Guidelines Section 15183, the City may rely upon the analysis in the certified General Plan EIRs and the application of project conditions of approval applied pursuant to uniformly applied development policies, including General Plan policies, and conclude that the Project is exempt from further CEQA review.

As set forth below, all feasible mitigation measures specified in the prior environmental impact report relevant to a significant effect which the project will have on the environment and additional conditions of approval incorporating uniformly applied development policies, including general plan policies, or standards previously adopted by the city or county, have been incorporated into the Project.

Accordingly, the City has determined that reliance on the environmental analysis in the General Plan EIRs is appropriate and that the Project is exempt from further CEQA review or alternatively, that no further evaluation of environmental impacts after application of the tiering requirements.

2.0 Environmental Analysis

Evaluation of Environmental Impacts

Applying Appendix G of the CEQA Guidelines to this Project:

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including offsite as well as onsite, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answer must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate is there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when determination is made, an EIR is required.
4. "Negative Declaration: Less than Significant with Mitigation Incorporated" is utilized for purposes of this analysis where the application of development policies or standards or incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level.
5. Where an effect has been adequately analyzed in an earlier EIR or negative declaration, it is appropriate to consider whether, under PRC Section 21083.3, CEQA Guidelines Section 15183, there are any peculiar effects not addressed in the General Plan EIRs, any significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs or any new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs and if no such effects or new information apply to identify the project as exempt from CEQA.
6. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. CEQA Guidelines Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
   a. **Earlier Analysis Used.** Identify and state where they are available for review.
   b. **Impacts Adequately Addressed.** Identify which effects from the environmental factor checklist were within the scope of and adequacy analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.

c. **Mitigation Measures.** For effects that are "Less than Significant with Mitigation Incorporated," describe the mitigations which were incorporated or refined from the earlier documentation and the extent to which they address site-specific conditions for the project.

7. Lead agencies are encouraged to incorporate the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

8. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

9. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.

10. The explanation of each issue should identify:

    a. The significance criteria or threshold, if any, used to evaluate each question; and

    b. The mitigation measure identified, if any, to reduce the impact to less than significant.

Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that would require mitigation, as indicated by the checklist on the following pages.

☐ Aesthetics	☐ Greenhouse Gas Emissions	☐ Public Services
☐ Agriculture and Forestry Resources	☐ Hazards & Hazardous Materials	☐ Recreation
☐ Air Quality	☐ Hydrology/Water Quality	☐ Transportation
☐ Biological Resources	☐ Land Use/Planning	☐ Tribal Cultural Resources
☐ Cultural Resources	☐ Mineral Resources	☐ Utilities/Service Systems
☐ Energy	☐ Noise	☐ Wildfire
☐ Geology/Soils	☐ Population/Housing	☐ Mandatory Findings of Significance

Determination

On the basis of this initial evaluation:

I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.	☐
I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.	☐
I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.	☐
I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.	☐
I find that although the proposed project could have a significant effect on the environment no further review under CEQA is required because (a) the project is exempt from further CEQA review pursuant to PRC Section 21083.3 and CEQA Guidelines Section 15183 because all potentially significant effects have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards and/or uniformly applied development policies or standards have been previously adopted by the city or county and will substantially mitigate the environmental effect of the project, or alternatively (b) applying PRC Section 21068.5,all potentially significant effects have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, there are no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and there is no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.	☒

7/11/2024

Submitted by: Chris Tracy, AICP Senior Planner Date

2.1 Aesthetics

2.1.1 Summary of Previous Environmental Analysis

The analysis of aesthetic impacts for the General Plan 2035 is provided in Section 5.3, Aesthetics, of the 2011 EIR. The 2011 EIR concluded that the implementation of the General Plan 2035 would have less than significant impacts on scenic vistas, scenic resources within a state scenic highway, long-term visual quality, and views affected by light and glare, and no mitigation was required. The 2011 EIR concluded that the implementation of the General Plan 2035 would require incorporation of General Plan EIR MMRP mitigation measures MM AES-1 through MM AES-3 to reduce potentially significant impacts on short-term visual impacts during construction to less than significant levels. The 2011 EIR also identified that future development under the General Plan 2035 would be subject to compliance with the regulations, guidelines, and development review process set forth in the City's development code as well as goals and policies identified in the General Plan 2035 and provided that future development within the City would be evaluated on a project-by-project basis in order to verify compliance with the provisions of the Murrieta Municipal Code (MDC). Cumulative impacts related to aesthetics were determined to be less than significant with the implementation of General Plan EIR MMRP mitigation measures MMs AES-1 through AES-3.

The 2020 SEIR concluded that the General Plan Update would not result in new or substantially greater aesthetic impacts than identified in the 2011 EIR and that the level of impact (less than significant) remained unchanged from that cited in the 2011 EIR and imposed no new mitigation measures relating to aesthetics.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.1.2 Applicable General Plan EIR Mitigation Measures Incorporated to the Project

The following applicable mitigation measures from the General Plan EIR MMRP are incorporated into the Project and will be included in the MMRP for the Project.

AES-1 For future development located in or immediately adjacent to residentially zoned properties, construction documents shall include language that requires all construction contractors to strictly control the staging of construction equipment and the cleanliness of construction equipment stored or driven beyond the limits of the construction work area. Construction equipment shall be parked and staged within the project site, as distant from the residential use, as reasonably possible. Staging areas shall be screened from view from residential properties.

AES-2 Construction documents shall include language requiring that construction vehicles be kept clean and free of mud and dust prior to leaving the development site. Streets surrounding the development site shall be swept daily and maintained free of dirt and debris.

AES-3 Construction worker parking may be located offsite with prior approval by the City. On-street parking of construction worker vehicles on residential streets shall be prohibited.

2.1.3 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Except as provided in Public Resources Code Section 21099, would the Project:					
a) Have a substantial adverse effect on a scenic vista?	☐	☒	☐	☐	☐
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☒	☐	☐	☐
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views the site and its surroundings (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☒	☐	☐	☐
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☒	☐	☐	☐

a. Would the project have a substantial adverse effect on a scenic vista?

Project Impact Adequately Addressed in Previous Documentation. The City's General Plan Update identifies prominent views of the San Jacinto Mountains, Santa Ana Mountains (and Santa Rosa Plateau), Santa Margarita and Tibia ranges, hillsides, and ridges as scenic vistas. The Project site is within a relatively flat valley floor approximately 28 miles southwest of the San Jacinto Mountains, approximately 12 miles east of the Santa Ana Mountains, and 13 miles north of the Santa Margarita and Tibia ranges. Currently, distant views of the San Jacinto Mountains are available along Whitewood Road (looking northeast) and Clinton Keith Road (looking northeast). The Project site is not within proximity to any hillsides or ridges within the City.

Construction activities would include the presence of construction equipment, fencing/signage, vehicles, and soil stockpiles; however, views to the San Jacinto Mountains would be maintained. The proposed

construction activities would not substantially obstruct views of the San Jacinto Mountains and surrounding roadways.

The Project site contains two existing residences in the eastern half of the site and the western half of the site is undeveloped. As shown in the photographs provided in Figure 1-7 and Figure 1-8, the site photographs were taken primarily from public vantage points adjacent to the Project site and are representative of public views from adjacent roadways (Whitewood Road and Clinton Keith Road). There are a limited number of viewers from these public vantage points. Prominent visual features in the viewsheds that include the Project site are the hillsides to the south and distant mountain views from vantage points looking east. The Project includes a Development Permit that identifies the architectural style and building elevations for the Project. Buildings would have a maximum height of 40 feet and would partially obstruct views along Whitewood Road and Clinton Keith Road. However, the building's height would not fully obstruct views to hillsides and distant mountain views. Additionally, partial and unobstructed views would be provided from Whitewood Road and Clinton Keith Road. Furthermore, the Project would not block any designated scenic vista.

Therefore, consistent with the conclusions of the General Plan EIRs, impacts to scenic vistas identified in the City's General Plan would be less than significant, there are no peculiar effects with respect to scenic vistas not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

b. Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?

No Impact. There are no officially designated State scenic highways in proximity to the Project site. The nearest officially designated State scenic highway is a portion of SR-74 beginning from Blackburn Road and terminating at Highway 111 (Caltrans, 2023). The Project site is located approximately 21 miles southwest of this portion of SR-74, and there are no views of the Project site from this scenic highway. According to the City's General Plan, I-15 and I-215 are recognized as possessing scenic qualities. I-215 is located 0.6 mile west of the Project site. I-15, which is located approximately 3.55 miles northeast of the Project site, is also identified by Caltrans as an eligible State scenic highway but is not officially designated. Due to distance and intervening development, there are no views of the Project site from I-15 and I-215.

The Project site contains oak trees, which are clustered at the northwestern corner and northern boundary of the Project site. The Project's proposed site plan has been designed to avoid the majority of existing oak trees. Due to Project design, the Project would have a less-than-significant impact on scenic resources, such as trees, on site. The Project site does not have any additional scenic resources, including but not limited to trees, rock outcroppings, or historic buildings. Implementation of the Project would not impact scenic resources within a State scenic highway.

Impacts would be less than significant.

c. Would the project, in non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

Project Impact Adequately Addressed in Previous Documentation. As identified by the United States Census Bureau (USCB), the Project site is within an urbanized area[2] (USCB, 2010). Therefore, the potential impacts of the Project under this threshold are assessed based on whether the Project would conflict with applicable zoning and other regulations governing scenic quality. As previously discussed, Project site is zoned MF-2.

The General Plan EIRs identify potential visual impacts associated with construction activities in the City, such as placement of materials in storage areas, construction debris piles on site, or exposed trenches, roadway bedding, spoils/debris piles, and steel plates that could be visible during construction of street and utility infrastructure improvements and imposes General Plan EIR MMRP mitigation measures MM AES-1 through AES-3 to mitigate these potential impacts. The Project's construction phases would be temporary in nature and all construction equipment would be removed from the Project site following completion of the Project's construction activities. Temporary construction-related changes to local visual character would not substantially degrade the visual quality or character of the area; construction activity is common throughout developing areas of the City of Murrieta. The proposed construction activities would not impact prominent hills or ridgelines, and the proposed grading plan protects the natural drainages onsite within designated open space areas. Additionally, during construction activities associated with the Project, General Plan EIR MMRP mitigation measures MMs AES-1 through AES-3 from the General Plan EIRs would be implemented to ensure that short-term construction-related aesthetic impacts remain less than significant, consistent with the conclusions of the General Plan EIRs. There are no peculiar effects with respect to aesthetic impacts from construction not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

Development would be consistent with the City's General Plan land use and zoning designation and is subject to the City's design review process. The Project would not degrade the existing visual character/quality of the site and the surrounding area, which is planned for development. During design review, details including architectural massing, elevations, finished color, landscaping, and branding for the proposed development were reviewed by the City of Murrieta. The Project would be designed in accordance with the development standards established in the Murrieta Development Code (MDC) for the MF-2 zoning districts (Sections 16.08.020 and 16.08.040). Standards that relate to scenic quality are provided below in Table 2-1, *Applicable Development Code Standards*. With adherence to the applicable development standards, and implementation of development consistent with applicable General Plan Update goals addressing visual character/quality, residential development at the Project site would not substantially degrade the existing visual character or quality of public views of the site and its

[2] According to CEQA Guidelines Section 15387, an urbanized area means a central city or group of contiguous cities with a population of 50,000 or more, together with adjacent densely populated areas having a population density of at least 1,000 per square mile. A Lead Agency shall determine whether a particular area meets the criteria in this section either by examining the area or by referring to a map prepared by the U.S. Bureau of the Census which designates the area as urbanized.

surroundings, consistent with the conclusions of the General Plan EIRs and there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

Table 2-1 Applicable Development Code Standards

Applicable Development Standards	Project Consistent?
Residential – MF-2 Standards	
Setbacks • Street – 10 feet • Interior – 10 feet	Yes
Maximum Parcel Coverage • 35%	Yes
Maximum Height Limit • 50 feet	Yes
Minimum Onsite Landscaping • 10 percent of the site area	Yes
Building Placement • Buildings shall be placed with varying setbacks and/or orientation to the street to provide visual interest. • Minimum distances between buildings shall be in compliance with Section 16.18.130 of the City's Municipal Code. • Residential structures on the same lot shall maintain a minimum separation of at least 10 feet for one-story structures, 15 feet for two-story structures, and 20 feet for three-story structures.	Yes
Parking Areas • Parking areas shall be treated as "landscape plazas," with attention to landscape surfaces, softened edges, shade, and pedestrian circulation.	Yes

Miscellaneous Subjects
• Solid Waste and Recyclable Materials Storage Areas
  ○ Solid waste and recyclable materials storage areas shall be enclosed and screened in compliance with Section 16.18.150 of the City's Municipal Code.
  ○ Enclosures shall be finished using materials compatible with the surrounding architecture. Gates shall be solid metal painted to match adjacent buildings.
• Storage areas that can be overlooked from above shall incorporate roof structures to screen the contents of the enclosure from view.
	Yes

Screening of Equipment • All mechanical equipment, whether mounted on the roof or ground, shall be screened from view in compliance with Section 16.18.120 of the City's Municipal Code. All screening devices shall be	Yes

Applicable Development Standards	Project Consistent?
compatible with the architecture and color of the adjacent buildings. • Gutters and downspouts shall be concealed unless designed as a particular architectural feature. • Solar panels shall be integrated into the roof design, flush with the roof slope. Frames shall be colored to match roof colors. Any support equipment shall be enclosed and screened from view.	
Building Architecture • Exterior elevations shall be appropriately articulated and detailed to avoid flat, monotonous wall planes and uninteresting barracks-like structures • The maximum number of attached units in a particular structure shall be eight within a single elevation unless variations in the elevations are provided. • All accessory structures shall be consistent in architectural design with the rest of the complex.	Yes
Building Materials • The building and its elements shall be unified in textures, colors, and materials to provide and order and coherence within the project. • The composition of materials shall avoid giving the impression of thinness. Veneers should turn corners, avoiding exposed edges. • The use of artificial materials is not allowed. • Materials shall be very durable, require low maintenance, and relate a sense of permanence. • Frequent changes in materials shall be avoided. • Columns, trellises, porches, colonnades, and similar element shall use materials and colors that are compatible with adjacent building • The use of wood fencing along a project boundary or adjacent to street shall not be allowed.	Yes
Roofs • Roofs shall reflect a residential appearance through pitch and use of materials. • Tile roofing materials shall reflect the color of native earthen clay which were used in their manufacture. Blue, green, and other artificially colored tiles are not allowed.	Yes

Color
• The predominant color of structures shall be muted tones that are found in the natural environment by use of at least one of the following design features:
  ○ Neutral or light-colored walls should be contrasted with a darker, more intense trim color, while dark-colored walls should be contrasted with light colored accents and details.
  ○ Materials such as brick, stone, copper, etc. should be left in their natural colors.
	Yes

Applicable Development Standards	Project Consistent?
Walls • Walls adjacent to streets shall not run in a continuous plane for more than 48-feet without incorporating at least two of the following design features: ○ A minimum 2-foot change in plane for at least 10 feet; ○ A minimum 18 inch raised planter for at least 10 feet; ○ Use of pilasters at 48-foot intervals and at changes in wall planes and height or; ○ A section of open grillwork a minimum 4 feet in height for at least 10 feet.	Yes
Tree Preservation • Section 16.42 Tree Preservation of the City's Municipal Code provides regulations for the protection, preservation, and maintenance of significant tree resources and to establish minimum mitigation measures for trees removed as a result of new development.	Yes

d. Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views?

Project Impact Adequately Addressed in Previous Documentation. The Project site is in a developing portion of the City, where existing development contributes to artificial lighting. Existing sources of lighting in the immediate vicinity of the Project site include streetlights and lighting from residential development.

Project construction would occur during daytime hours, during which time no artificial lighting would be required. Any incidental lighting during construction would be for security purposes and would be directed to the Project site, which would avoid unnecessary spill onto adjacent properties. There would be no construction activities that would create a new source of substantial light or glare that would adversely affect day or nighttime views. Therefore, lighting impacts associated with construction activities would be less than significant.

As anticipated, development of residential uses at the Project site would introduce new sources of light from street lighting, interior and exterior building lighting including for safety purposes, vehicle headlights, illuminated signage, and new sources of glare such as reflective building materials, roofing materials, and windows. All lighting installed with the proposed development would be subject to compliance with the provisions of MDC Section 16.18.100, Lighting, which requires that exterior lighting be directed downward and shielded so that glare is confined within the boundaries of the subject parcel, among other requirements. Additionally, light sources would be shielded to direct light rays onto the Project site only, pursuant to MDC Section 16.18.100.C, Shielded Lighting. Additionally, proposed development would be subject to compliance with MDC architectural design standards for Residential Districts relative to building materials and colors, in order to reduce glare effects (refer to MDC Chapter 16.08).

The purpose of MDC Section 16.18.110, Mount Palomar Lighting Standards, is to restrict the use of certain light fixtures emitting into the night sky undesirable light rays that have a detrimental effect on astronomical observation and research. To this end, all future development within the Dark Sky Zone (the circular area 30 miles in radius centered on the Palomar Observatory), which includes the Project site (approximately 24.5 miles northwest of the Palomar Observatory) would be subject to compliance with the general, lamp source, and shielding requirements established by MDC Section 16.18.110.

Compliance with the MDC provisions in the lighting of proposed development onsite would ensure proper design, installation, and operation of all exterior lighting, thereby reducing the potential for glare effects, light spillover onto adjacent properties, or conflicts with the Palomar Observatory. As such, consistency with the MDC would ensure that potential impacts associated with light and glare would be less than significant, consistent with the conclusions of the General Plan EIRs and there are no peculiar effects with respect to lighting or glare not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

2.2 Agriculture and Forestry Resources

2.2.1 Summary of Previous Environmental Analysis

The analysis of agriculture and forestry resources impacts for the General Plan 2035 is provided in Section 5.11, Agricultural Resources, of the 2011 EIR. At the time the 2011 EIR was prepared, the Project site was identified as Other Land and Grazing Land and the Project site was not under a Williamson Act Contract. The 2011 EIR concluded that future development pursuant to the General Plan 2035 would result in no impact or less than significant impacts to agricultural resources. Specifically, no Prime Farmland or Farmland of Statewide Importance is within the Focus Areas targeted in the General Plan 2035. The Project site is one of the Focus Areas in the General Plan 2035 to which future development efforts are directed (the North Murrieta Business Corridor). In addition, all development pursuant to the General Plan 2035, including development within the North Murrieta Business Corridor, would be required to be in substantial conformance with goals and policies of the Conservation and Land Use Elements of the General Plan 2035, which support the protection of the continued potential for agricultural uses in rural residential areas and encourage additional, small-scale urban agricultural opportunities. Cumulative impacts on agriculture and forestry resources were determined to be less than significant and no mitigation measures were required.

The 2020 SEIR concluded that the General Plan Update, which includes development in the North Murrieta Business Corridor consistent with the General Plan 2035, would not result in new or substantially greater agricultural impacts than identified in the 2011 EIR and that the level of impact (less than significant or no impact) remained unchanged from that cited in the 2011 EIR. The 2020 SEIR imposed no new mitigation measures relating to agricultural resources.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.2.2 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:					
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☒	☐	☐	☐
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☒	☐	☐	☐
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☒	☐	☐	☐
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☒	☐	☐	☐
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☒	☐	☐	☐

a. Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use

No Impact. According to the California Department of Conservation (CDC) current farmland mapping, the Project site contains Other Land and Grazing Land (CDC, 2018). The Project site does not contain Farmland (Prime Farmland, Unique Farmland, or Farmland of Statewide Importance). The Project site is not in agricultural production. Additionally, there are no lands in proximity to the Project site that are currently in agricultural production. Therefore, the Project would not convert Farmland to non-agricultural use. Therefore, no impact would occur.

b. Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. The Project site is zoned as MF-2 and is not currently used for agricultural purposes; there are no properties surrounding the Project site that are zoned for agricultural use (City of Murrieta, 2020c). Additionally, the Project site is not under a Williamson Act contract and there are no lands under a Williamson Act contract in proximity to the Project site. Therefore, implementation of the Project would not conflict with existing zoning for agricultural use or Williamson Act contract. Therefore, no impact would occur.

c. Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?

No Impact. The City does not have an exclusive zone classification for forestland, timberland or Timberland Production. The Project site is not zoned for forestland, timberland, or Timberland Production and the Project site is not located in proximity to lands zoned for these purposes. Therefore, the Project would not conflict with existing zoning for forest land, timberland, or timberland zoned Timberland Production. Therefore, no impact would occur.

d. Would the project result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. The Project site does not contain forest land; thus, the implementation of the Project would not result in the loss of forest land or conversion of forest land to non-forest use. Therefore, no impact would occur.

e. Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

No Impact. As discussed above, there is no Farmland (i.e., Prime Farmland, Farmland of Statewide Important, and Unique Farmland) on the Project site. The Project site is mapped as Other Land and Grazing Land. The Project site is not in agricultural production and the eastern portion of the site is developed with two residential units. Additionally, there are no lands in proximity to the Project site that are currently

in agricultural production. Therefore, development at the Project site pursuant to existing General Plan and zoning designations would not result in the conversion of Farmland to non-agricultural uses. Additionally, the City does not contain forestland, and implementation of the Project would not result in the conversion of forestland to non-forest use. No impact would occur.

2.3 Air Quality

2.3.1 Summary of Previous Environmental Analysis

The analysis of air quality impacts for the General Plan 2035 is provided in Section 5.5, Air Quality, of the 2011 EIR. The 2020 SEIR provided an analysis of air quality impacts for the General Plan Update in Section 4.3, Air Quality. The information and analysis provided in the 2020 SEIR was organized in accordance with the Checklist in Appendix G of the CEQA guidelines and current State and local guidance.

The 2020 SEIR determined that although the implementation of the General Plan Update would change land uses upon which the 2016 Air Quality Management Plan (AQMP) and 2016 Regional Transportation Plan (RTP)/Sustainable Communities Strategy (SCS) were based, the General Plan Update would create jobs that reduce vehicle miles traveled (VMT) within the City. Additionally, the General Plan Update includes several updated goals and policies within the Circulation, Land Use, Air Quality, Conservation, and Safety Elements that are consistent with SCAG's RTP goals.

The 2020 SEIR determined that the General Plan Update would result in an additional 1,572 residential units, beyond those considered in the 2011 EIR, which would result in a net increase in construction emissions beyond those analyzed in the 2011 EIR. As with the General Plan 2035, the General Plan Update would incorporate goal and policies identified in the 2011 EIR to reduce air pollutants and precursors; however, there is a potential for construction projects related to the General Plan Update to exceed South Coast Air Quality Management District (SCAQMD) construction thresholds. Consistent with the determination of the 2011 EIR, the 2020 SEIR determined that construction-related impacts would be potentially significant. The 2020 SEIR concluded that with adherence to the goals and policies from the General Plan Update in conjunction with mitigation measures (MM AQ-1 through AQ-7), the General Plan Update would not result in any new or a substantial increase in the severity of a previously identified significant impact; however, construction-related air quality impacts would remain significant and unavoidable. The 2020 SEIR also identified with respect to construction related air quality impacts that "[a]s was the case with the 2011 General Plan, the proposed Project is program-level in nature and therefore, specific information about individual land use developments, and the duration, frequency, and intensity of construction, and potential overlap between construction activities is not available at this time. Therefore, construction-related emissions due to the implementation of the proposed Project cannot be accurately quantified, and such an analysis would be considered speculative." Therefore, this document analyzes the construction impacts of the Project.

With respect to operational emissions, the 2011 EIR concluded "with respect to operational emissions, mobile source emissions are the largest emissions source in the City [and that the] goals and policies identified within the proposed General Plan 2035 would reduce mobile source emissions." The 2020 SEIR further concluded that operational emissions of the General Plan Update would be lower as compared to the General Plan 2035 analyzed in the 2011 EIR. Moreover, future development pursuant to the General

Plan Update would be subject to compliance with the applicable goals and policies that would reduce air quality impacts. The 2020 SEIR concluded that impacts related to compliance with applicable regional plans would be less than significant and no mitigation is required.

The 2020 SEIR determined that the operation of the 1,572 additional residential units would result in the generation of long-term operational emissions of criteria pollutants and the 2,405,601 square feet of non-residential development excluded from the General Plan Update would avoid the generation of long-term operational emissions. Project-level operational details were not provided for the plan-level analysis provided in the 2020 SEIR; thus, operational emissions were not able to be analyzed at the level of detail needed to determine whether they would contribute to an air quality violation. The 2020 SEIR identified that the General Plan Update would decrease overall Citywide operational emissions as compared to the development under the General Plan 2035; however, the reduction in emissions would not reduce overall operations emissions to below SCAQMD's significance threshold. Consistent with the 2011 EIR, the 2020 SEIR determined that the General Plan Update would result in potentially significant operational-related air quality impacts. The 2020 SEIR concluded that with adherence to the goals and policies from the General Plan Update in conjunction with mitigation measures (MM AQ-8 through MM AQ-24), the General Plan Update would not result in any new or a substantial increase in the severity of a previously identified significant impact; operational-related air quality impacts would remain significant and unavoidable.

The 2020 SEIR determined that construction-related activities associated with the implementation of the General Plan Update would result in intermittent emission of diesel particulate matter (DPM) and that operation of the new land uses proposed by the General Plan Update could generate new sources of toxic air contaminants (TACs). However, with adherence to the goals and policies included in the General Plan Update, and SCAQMD's permit requirement for stationary sources, in conjunction with the reduction in VMT relative to the 2011 EIR, the General Plan Update would not expose sensitive receptors to substantial pollutant concentrations. The 2020 SEIR concluded that the General Plan Update would not result in any new or a substantial increase in the severity of a previously identified significant impact; impacts to sensitive receptors would remain less than significant, and no mitigation is required.

The 2020 SEIR determined that the land uses proposed under the General Plan Update are not significant odor generators that would adversely affect sensitive receptors during operation. All land uses would consist of uses that are common in the surrounding areas. The 2020 SEIR concluded that the General Plan Update would not result in any new or a substantial increase in severity of a previously identified significant impact; impacts related to odors would remain less than significant, and no mitigation is required.

The 2020 SEIR determined that the implementation of the General Plan Update would not result in any intersection capacity or roadway that would exceed 100,000 vehicles per day and result in a carbon monoxide (CO) hotspot. Thus, the 2020 SEIR concluded that the General Plan Update would not result in any new or a substantial increase in the severity of a previously identified significant impact; impacts related to CO hotspots would remain less than significant, and no mitigation is required.

The 2020 SEIR concluded that cumulative impacts related to air quality would be consistent with the cumulative impact conclusions in the 2011 EIR; significant and unavoidable impacts for regional

construction and operational criteria pollutant emissions; less than significant for localized air quality impacts and impacts to sensitive receptors; and odor impacts. The 2020 SEIR concluded that the General Plan Update would not result in a new significant impact or substantial increase in severity of a previously identified significant cumulative impact previously identified. No new mitigation measures were identified.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.3.2 Applicable General Plan EIR Mitigation Measures Incorporated to the Project

The following applicable mitigation measures from the General Plan EIR MMRP are incorporated into the Project and will be included in the MMRP for the Project.

Construction-Related Measures

AQ-1 Require the use of Tier 4 emissions standards or better for off-road diesel-powered construction equipment of 50 horsepower or greater. To ensure that Tier 4 construction equipment or better will be used during the proposed Project's construction, South Coast Air Quality Management District (SCAQMD) staff recommends that the Lead Agency include this requirement in applicable bid documents, purchase orders, and contracts. Successful contractor(s) must demonstrate the ability to supply the compliant construction equipment for use prior to any ground disturbing and construction activities. A copy of each unit's certified tier specification or model year specification and California Air Resources Board (CARB) or SCAQMD operating permit (if applicable) shall be available upon request at the time of mobilization of each applicable unit of equipment. Additionally, the Lead Agency should require periodic reporting and provision of written construction documents by construction contractor(s) to ensure compliance and conduct regular inspections to the maximum extent feasible to ensure compliance.

AQ-2 Require zero-emissions or near-zero emission on-road haul trucks such as heavy-duty trucks with natural gas engines that meet the CARB's adopted optional NOx emissions standard at 0.02 grams per brake horsepower-hour (g/bhp-hr), if and when feasible. At a minimum, require that construction vendors, contractors, and/or haul truck operators commit to using 2010 model year trucks (e.g., material delivery trucks and soil import/export) that meet CARB's 2010 engine emissions standards at 0.01 g/bhp-hr of particulate matter (PM) and 0.20 g/bhp-hr of NOx emissions or newer, cleaner trucks. The Lead Agency should include this requirement in applicable bid documents, purchase orders, and contracts. Operators shall maintain records of all trucks associated with project construction to document that each truck used meets these emission standards, and make the records available for inspection. The Lead Agency should conduct regular inspections to the maximum extent feasible to ensure compliance.

AQ-3 Suspend all onsite construction activities when wind speeds (as instantaneous gusts) exceed 25 miles per hour.

AQ-4 All trucks hauling dirt, sand, soil or other loose materials are to be covered, or should maintain at least two feet of freeboard in accordance with California Vehicle Code Section 23114 (freeboard means vertical space between the top of the load and top of the trailer).

AQ-5 Enter into applicable bid documents, purchase orders, and contracts to notify all construction vendors, contractors, and/or haul truck operators that vehicle and construction equipment idling time will be limited to no longer than five minutes, consistent with the CARB's policy. For any idling that is expected to take longer than five minutes, the engine should be shut off. Notify construction vendors, contractors, and/or haul truck operators of these idling requirements at the time that the purchase order is issued and again when vehicles enter the proposed Project site. To further ensure that drivers understand the vehicle idling requirement, post signs at the proposed Project site, where appropriate, stating that idling longer than five minutes is not permitted.

AQ-6 Have truck routes clearly marked with trailblazer signs, so that trucks will not enter residential areas.

AQ-7 Limit the daily number of trucks allowed at the proposed Project to levels analyzed in the CEQA document. If higher daily truck volumes are anticipated to visit the site, the Lead Agency should commit to re-evaluating the proposed Project through the CEQA process prior to allowing this land use or higher activity level.

Operations-Related Measures

General Plan EIR MMRP mitigation measure MM AQ-9 applies to projects that generate significant regional emissions, and is therefore not applicable to the Project, which result in less than significant air quality impacts. General Plan EIR MMRP mitigation measures MMs AQ-8, AQ-10 through AQ-24 are related to non-residential projects and thus do not apply to the Project, as these types of uses are not allowed in the MF-2 zone.

2.3.3 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:					
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☒	☐	☐	☐

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☒	☐	☐	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☒	☐	☐	☐
d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people?	☐	☒	☐	☐	☐

Information provided in this section is based on the Project-specific Air Quality & Energy Assessment (AQ & EA Assessment) and Construction Health Risk Assessment (Construction HRA), both prepared by Urban Crossroads, Inc., and are included as *Technical Appendix B.1* and *Technical Appendix B.2*, respectively, to this document (Urban Crossroads, 2024a) (Urban Crossroads, 2023a).

The Project site is located in the South Coast Air Basin (SCAB) within the jurisdiction of the South Coast Air Quality Management District (SCAQMD). The SCAQMD has jurisdiction over an approximately 10,743 square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what used to be referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the Southern California Association of Governments (SCAG), county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards.

Both the U.S. Environmental Protection Agency (EPA) and the California Air Resources Board (CARB) have established ambient air quality standards for common pollutants. These ambient air quality standards are levels of contaminants representing safe levels that avoid specific adverse health effects associated with each pollutant. The ambient air quality standards cover what are called "criteria" pollutants because the health and other effects of each pollutant are described in criteria documents. The six criteria pollutants are ozone (O_3) (precursor emissions include NOX and reactive organic gases (ROG), CO, particulate matter (PM), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), and lead. Areas that meet ambient air quality standards are classified as attainment areas, while areas that do not meet these standards are classified as nonattainment areas. The Riverside County portion of the SCAB is designated as a nonattainment area for the federal O_3 and $PM_{2.5}$ standards and is also a nonattainment area for the state standards for O_3, PM_{10}, and $PM_{2.5}$.

a. Would the project conflict with or obstruct implementation of the applicable air quality plan?

Project Impact Adequately Addressed in Previous Documentation. Currently, these state and federal air quality standards are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMPs to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.

In December 2022, the SCAQMD released the Final 2022 AQMP (2022 AQMP). The 2022 AQMP continues to evaluate current integrated strategies and control measures to meet the CAAQS, as well as explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels. Similar to the 2016 AQMP, the 2022 AQMP incorporates scientific and technological information and planning assumptions, including the 2020-2045 RTP/SCS, a planning document that supports the integration of land use and transportation to help the region meet the federal CAA requirements. The Project's consistency with the AQMP will be determined using the 2022 AQMP as discussed below, and consistency with the 2020 General Plan Supplemental EIR. Criteria for determining consistency with the AQMP are defined in Chapter 12 of the SCAQMD's CEQA Air Quality Handbook (1993). The Project's consistency with these criteria is discussed below.

Consistency Criterion No. 1: The proposed project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

The violations that Consistency Criterion No. 1 refers to are the California Ambient Air Quality Standards (CAAQS) and National Ambient Air Quality Standards (NAAQS). CAAQS and NAAQS violations would occur if regional or localized significance thresholds were exceeded. As noted above, SCAQMD had adopted a series of AQMPs to meet the state and federal ambient air quality standards and regularly updates the AQMP to reduce emissions more effectively. The regional significance thresholds ensure that proposed development projects are consistent with the AQMP and do not cause or contribute violations that would delay the reduction of emissions as specified in the AQMP.

As evaluated under Threshold b, the Project's regional and localized construction and operational-source emissions would not exceed applicable regional significance thresholds. Therefore, the Project would not conflict with Consistency Criterion No. 1 during construction or operation.

Consistency Criterion No. 2: The proposed project will not exceed the assumptions in the AQMP based on the years of Project build-out phase.

The 2022 AQMP demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by cities in the district are provided to the SCAG, which develops regional growth forecasts, which are then used to develop future air quality forecasts for the AQMP. Development consistent with the growth projections in City of Murrieta General Plan is considered to be consistent with the AQMP.

Peak day emissions generated by construction activities are largely independent of land use assignments, but rather are a function of development scope and maximum area of disturbance. Irrespective of the site's land use designation, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities. As such, when considering that no emissions thresholds will be exceeded, a less than significant impact would result.

The City of Murrieta General Plan designates the Project site as "Multiple-Family Residential 2" (MF-2) uses. The MF-2 designation allows for up to 10.1 – 30 du/ac dwelling units per acre. This land use allows for attached and detached apartments and condominiums. Allowed development includes townhomes, condominiums, apartment senior housing, and stacked flats.

The Project includes development of 135 2-story residential dwelling units and 108 3-story residential dwelling units for a total of 243 units at a density of15.1 du/ac. The Project's proposed uses and density are consistent with the site's land use designations, and a general plan amendment will not be required.

Based on the preceding discussion, the Project is determined to be consistent with the second criterion.

In summary, the Project is consistent with the 2022 AQMP, impacts would be less than significant, consistent with conclusion of the General Plan EIRs and there are no peculiar effects with respect to air quality plan consistency not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

b. Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Project Impact Adequately Addressed in Previous Documentation. The SCAQMD has developed regional significance thresholds for regulated pollutants, as summarized in Table 2-2. The SCAQMD's CEQA Air Quality Significance Thresholds indicate that any projects in the SCAB with daily emissions that exceed any of the indicated thresholds should be considered as having a cumulatively-considerable net increase of the respective criteria pollutant.

Projects have the potential to affect air quality through construction-source and operational-source emissions. In May 2022, the California Air Pollution Control Officers Association (CAPCOA) in conjunction with other California air districts, including SCAQMD, released the latest version of the CalEEMod Version 2022.1. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures. Accordingly, the latest version of CalEEMod has been used for this Project to determine construction and operational air quality and greenhouse gas emissions. Detailed information regarding modeling assumptions and output from the model runs for both construction and operational activity are provided in the AQ & EA Assessment included in *Technical Appendix B* of this document.

Table 2-2 Maximum Daily Regional Emissions Thresholds

Pollutant	Construction	Operations
NO_X	100 lbs./day	55 lbs./day
VOC	75 lbs./day	55 lbs./day
PM_{10}	150 lbs./day	150 lbs./day
$PM_{2.5}$	55 lbs./day	55 lbs./day
SO_X	150 lbs./day	150 lbs./day
CO	550 lbs./day	550 lbs./day

lbs./day = Pounds Per Day

Source: (Urban Crossroads, 2024a, Table 1)

Regional Construction Impacts

As previously discussed, for purposes of analysis in this document, it is estimated that construction activities associated with the Project would occur over a 12-month period from January 2024 to December 2024. This includes demolition, site preparation, and grading. The Project Applicant would be required to comply with applicable SCAQMD rules during construction, including Rule 403, which address fugitive dust emissions. The Project's estimated maximum daily construction emissions without mitigation are summarized in Table 2-3, *Overall Regional Construction Emissions Summary*. As shown, regional construction emissions would not exceed SCAQMD threshold during the summer or the winter seasons. Accordingly, the Project would not emit substantial concentrations of the criteria pollutants during construction and would not contribute to an existing or projected air quality violation, on a direct or cumulatively-considerable basis. Thus, a less than significant impact would occur for Project-related regional construction-source emissions.

Table 2-3 Overall Regional Construction Emissions Summary

Year	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
2024	2.28	13.90	30.20	0.03	3.21	1.14
Winter						
2024	69.60	42.60	41.30	0.06	8.15	4.81
Maximum Daily Emissions	**69.60**	**42.60**	**41.30**	**0.06**	**8.15**	**4.81**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

[1]PM_{10} and $PM_{2.5}$ source emissions reflect 3x daily watering per SCAQMD Rule 403 for fugitive dust.

Source: (Urban Crossroads, 2024a, Table 3)

Regional Operational Impacts

Operational activities associated with the proposed residential uses at the Project site would also result in emissions of VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$. Operational emissions would be associated with the following primary sources: area sources, energy sources and mobile sources. Operational emissions for summer and winter scenarios are provided in Table 2-4, *Total Project Regional Operational Emissions*. As shown, the Project's operational activities would not exceed SCAQMD regional significance thresholds for emissions of any criteria pollutant. Accordingly, the Project would not emit substantial concentrations of

these pollutants during long-term operation and would not contribute to an existing or projected air quality violation, on a direct or cumulatively-considerable basis. There are no peculiar effects with respect to regional air quality not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

Table 2-4 Total Project Regional Operational Emissions

Source	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
Mobile Source	9.17	8.64	77.80	0.18	6.01	1.17
Area Source	11.30	4.06	16.50	0.03	0.32	0.32
Energy Source	0.07	1.25	0.53	0.01	0.10	0.10
Total Maximum Daily Emissions	**20.54**	**13.95**	**94.83**	**0.22**	**6.43**	**1.59**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**
Winter						
Mobile Source	8.50	9.27	65.40	0.17	6.01	1.17
Area Source	9.95	3.91	1.66	0.02	0.32	0.32
Energy Source	0.07	1.25	0.53	0.01	0.10	0.10
Total Maximum Daily Emissions	**18.52**	**14.43**	**67.59**	**0.20**	**6.43**	**1.59**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Source: (Urban Crossroads, 2024a, Table 4)

c. Would the project expose sensitive receptors to substantial pollutant concentrations?

Project Impact Adequately Addressed in Previous Documentation. Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly, individuals with pre-existing respiratory or cardiovascular illness, and athletes and others who engage in frequent exercise. Structures that house these persons or places where they gather to exercise are defined as "sensitive receptors". These structures typically include residences, hotels, hospitals, etc. as they are also known to be locations where an individual can remain for 24 hours. This section discusses criteria pollutants from onsite construction and operation, CO hotspots, and toxic air contaminants.

Localized Impacts from Criteria Pollutants

The SCAQMD has established that impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the federal and/or state ambient air quality standards (NAAQS/CAAQS). Collectively, these are referred to as Localized Significance Thresholds (LSTs). The SCAQMD established LSTs in response to the SCAQMD Governing Board's Environmental Justice Initiative I-41. LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the sensitive receptor. Table 2-5,

Maximum Daily Localized Emissions Thresholds, presents the thresholds for localized construction emissions.

Table 2-5 Maximum Daily Localized Emissions Thresholds

Construction Activity	Emissions (lbs/day)			
	VOC	NO_X	PM_{10}	PM_{10}
Demolition	162 lbs/day	750 lbs/day	4 lbs/day	3 lbs/day
Site Preparation	303 lbs/day	1,533 lbs/day	10 lbs/day	6 lbs/day
Grading	324 lbs/day	1,677 lbs/day	11 lbs/day	7 lbs/day

Source: (Urban Crossroads, 2024a, Table 2)

Sensitive receptors in the Project study area are described below and are shown on Figure 2-1, *Sensitive Receptor Locations*. The SCAQMD recommends that the nearest sensitive receptor be considered when determining the Project's potential to cause an individual or cumulatively significant impact.

R1: Location R1 represents the existing residence at 35960 Lindstrand Avenue, approximately 130 feet west of the Project site. Receptor R1 is placed near the private outdoor living area (backyard) adjacent to Whitewood Road facing the Project site.

R2: Location R2 represents an existing residence at 35842 Meadowlark Lane, approximately 59 feet north of the Project site. Receptor R2 is placed near the private outdoor living area (backyard).

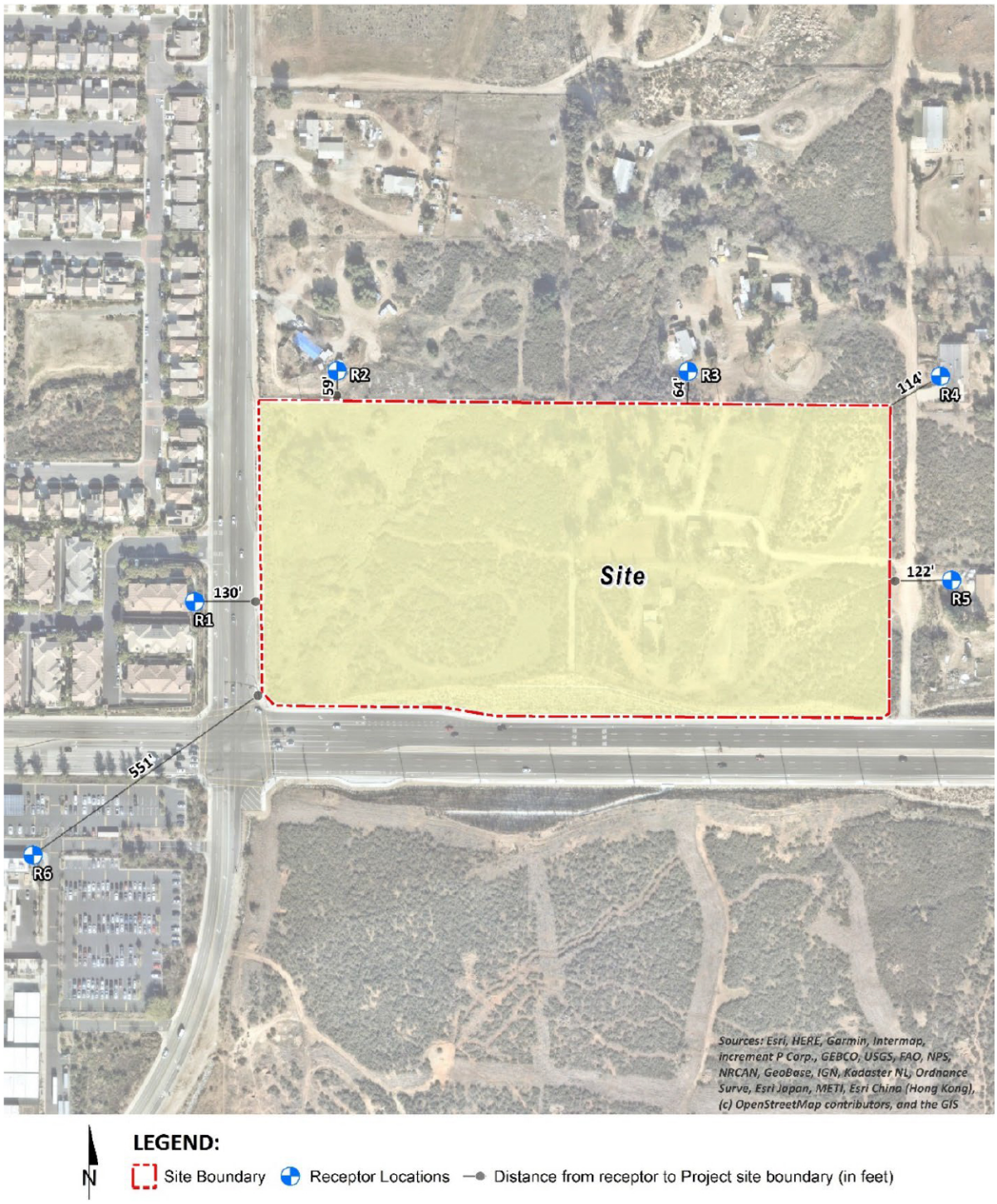
R3: Location R3 represents an existing residence at 35815 Arendt Lane, approximately 64 feet north of the Project site. Receptor R3 is placed near private outdoor living area (backyard) facing the Project site.

R4: Location R4 represents the existing residence at 35820 Arendt Lane, approximately 114 feet northeast of the Project site. Receptor R4 is placed near the private outdoor living area (backyard) facing the Project site.

R5: Location R5 represents the existing residence at 35960 Arendt Lane, approximately 122 feet east of the Project site. Receptor R5 is placed near the private outdoor living area (backyard) facing the Project site.

R6: Location R6 represents the Vista Murrieta High School at 28251 Clinton Keith Road, approximately 551 feet southwest of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R6 is placed at the building façade.

The nearest sensitive receptor to the Project site where an individual could remain for 24 hours is Location R2. The LST methodology indicates a 25-meter receptor distance appropriate for evaluation of localized PM_{10}, $PM_{2.5}$, NOx, and CO. The method for the LST analysis is detailed in the AQ & EA Assessment included in *Technical Appendix B* of this document.



Source(s): Urban Crossroads (July 2023)

Figure 2-1

Not to Scale

Sensitive Receptor Locations

Table 2-6, *Project Localized Construction Impacts*, identifies the localized impacts at the nearest receptor location in the vicinity of the Project. Without mitigation, localized construction emissions would not exceed the applicable SCAQMD LSTs for emissions of any criterial pollutant. Thus, a less than significant impact would occur for localized Project-related construction-source emissions and no mitigation is required.

Table 2-6 Project Localized Construction Impacts

Construction Activity	On-Site Emissions	Emissions (lbs/day)			
		NO_X	CO	PM_{10}	$PM_{2.5}$
Demolition	Maximum Daily Emissions	24.90	21.70	1.26	1.01
	SCAQMD Localized Threshold	162	750	4	3
	Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**
Site Preparation	Maximum Daily Emissions	42.50	35.30	7.91	4.76
	SCAQMD Localized Threshold	303	1,533	10	6
	Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**
Grading	Maximum Daily Emissions	37.60	31.40	4.44	2.61
	SCAQMD Localized Threshold	325	1,677	11	7
	Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**

Source: (Urban Crossroads, 2024a, Table 5)

According to SCAQMD LST methodology, LSTs would apply to the operational phase of a proposed project, if the project includes stationary sources, or attracts mobile sources that may spend long periods queuing and idling at the site (e.g., transfer facilities and warehouse buildings). The Project does not include such uses, and thus, due to the lack of significant stationary source emissions, no LST analysis is needed for operations.

Diesel Particulate Matter Health Risk Assessments

Construction activities for the Project have the potential to result in diesel particulate matter (DPM), which is a listed carcinogen and toxic air contaminant (TAC) in the State of California. Projects that generate/attract diesel trucks during operation would also emit DPM. The proposed residential uses are not known emitters of substantial TAC concentrations that would potentially affect sensitive receptors during operation.

To assess potential health risks from DPM during construction of the Project, a construction health risk assessment has been prepared for the Project by Urban Crossroads and is included in *Technical Appendix B.2* of this document. The HRA was prepared in accordance with the *Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis* and is comprised of all relevant and appropriate procedures presented by the United States Environmental Protection Agency (U.S. EPA), California EPA and the SCAQMD. The Lakes AERMOD View (Version 11.2.0)

was used to calculate annual average particulate concentrations associated with site construction operations. Lakes AERMOD View was utilized to incorporate the U.S. EPA's latest AERMOD Version 22112. Vehicle DPM emissions in the Mobile Source HRA were calculated using emission factors for PM_{10} generated with the 2021 version of the EMission FACtor model (EMFAC) developed by the CARB. Additional information about the methods and assumptions for preparing the HRA is provided in the *Technical Appendix B.2.*

Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to TAC exposure from a project such as the Project. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulatively considerable impact. The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). An REL is a concentration at or below which health effects are not likely to occur. A hazard index less of than one (1.0) means that adverse health effects are not expected. In the Project Construction HRA, non-carcinogenic exposures of less than 1.0 are considered less than significant. Both the cancer risk and non-carcinogenic risk thresholds are applied to the nearest sensitive receptors described previously.

Construction-Related

Based on the results of the Construction HRA, the Project's construction activities would not cause a significant human health risk to residents or school children, as summarized below. The referenced receptor locations are shown on Figure 2-1.

- **Individual Exposure Scenario:** The land use with the greatest potential exposure to Project construction-source DPM emissions is Location R3 which is located approximately 64 feet north of the Project site at an existing residence located at 35842 Meadowlark Lane. R3 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 4.08 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. While Location R3 is not the nearest receptor to the Project site, it would experience the highest concentrations of DPM during Project construction due to meteorological conditions at the site. Because all other modeled receptors would experience lower concentrations of DPM during Project construction, all other receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project would not cause a significant human health or cancer risk to adjacent land uses and would not have impacts beyond what was studied in the City of Murrieta General Plan EIR as a result of Project construction activity. All other receptors during construction activity would experience less risk than what is identified for this location.

- **School Child Exposure Scenario:** The nearest school is Vista Murrieta High School, located approximately 551 feet southwest of the Project site. At the maximally exposed individual school

child (MEISC), the maximum incremental cancer risk impact attributable to Project construction activity is calculated to be 0.04 in one million, which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to Project construction activity were calculated to be <0.01, which would not exceed the applicable significance threshold of 1.0. As such, the Project would not cause a significant human health or cancer risk to nearby school children and would not have impacts beyond what was studied in the City of Murrieta General Plan EIR.

CO "Hot Spot" Analysis

An adverse CO concentration, known as a "hot spot," would occur if an exceedance of the State one-hour standard of 20 parts per million (ppm) or the eight-hour standard of 9 ppm were to occur. To establish a record of baseline CO concentrations affecting the SCAB, a CO "hot spot" analysis was conducted by the SCAQMD in 2003 for four busy intersection is Los Angeles at the peak morning and afternoon time periods. The busiest intersection evaluated for morning traffic volumes was at Wilshire Boulevard and Veteran Avenue, which has a morning traffic volume of approximately 8,062 vehicles per hour (vph). The highest 1-hour CO concentration level for this intersection during the peak morning period was calculated to be 4.6 ppm. This indicates that, should the hourly traffic volume increase four times to 32,250 vehicles per hour, CO concentrations (4.6 ppm x 4 = 18.4 ppm) would still not likely exceed the most stringent 1-hour CO standard (20.0 ppm). The intersection of Whitewood Rd. & Clinton Keith Rd. would have the highest AM traffic volumes of 5,840 vph. Additionally, the I-215 NB Ramps & Clinton Keith Rd. would have the highest PM traffic volumes of 7,451 vph. As such, Project-related traffic volumes are less than the traffic volumes identified in the 2003 AQMP. The Project considered herein would not produce the volume of traffic required to generate a CO "hot spot". Therefore, CO "hot spots" are not an environmental impact of concern for the Project. Localized air quality impacts related to mobile-source emissions would therefore be less than significant.

Potential Health Impacts

If a project in the SCAB exceeds the regional significance thresholds, the project could contribute to an increase in health effects in the SCAB until such time the attainment standards are met. Known health effects related to ozone include worsening of bronchitis, asthma, and emphysema and a decrease in lung function. Health effects associated with particulate matter include premature death of people with heart or lung disease, nonfatal heart attacks, irregular heartbeat, decreased lung function, and increased respiratory symptoms. Because of the relatively small amount of emissions from the Project relative to regional-wide emissions, it would be speculative to assess whether or the extent to which the Project would contribute to adverse health effects. Even though SCAQMD has among the most sophisticated air quality modeling and health impact evaluation capability of any of the air districts in the State, SCAQMD has not provided methodology, and modeling does not currently exist, to assess the specific correlation between mass emissions generated, cumulative increases from individual projects, and the effect on health or even to determine how exceeding the regional thresholds by small amounts would affect the number of days the region is in nonattainment. SCAQMD staff has not and does not currently know of a way to accurately quantify O_3-related health impacts caused by NO_X or VOC emissions from relatively small projects, due to photochemistry and regional model limitations. Similarly, CARB methodology has

reported that a $PM_{2.5}$ methodology is not suited for small projects and may yield unreliable results. For these reasons, mass emissions are not correlated with concentrations of emissions or how many additional individuals in the air basin would be affected by the health effects cited above. In contrast, for extremely large regional projects (unlike the Project), the SCAQMD states that it has been able to correlate potential health outcomes for very large emissions sources – as part of their rulemaking activity, specifically 6,620 lbs./day of NO_X and 89,180 lbs./day of VOC were expected to result in approximately 20 premature deaths per year and 89,947 school absences due to O_3.

The Project does not generate anywhere near 6,620 lbs/day of NO_X or 89,190 lbs/day of VOC emissions. The Project would generate up to 42.60 lbs/day of NO_X during construction and 14.43 lbs/day of NO_X during operations (1.38 percent and 0.59 percent of 6,620 lbs/day, respectively). Additionally, the Project would also generate a maximum of 69.60 lbs/day of VOC emissions during construction and 18.52 lbs/day of VOC emissions during operations (0.04 percent and 0.06 percent of 89,190 lbs/day, respectively). Therefore, the Project's emissions are not sufficiently high enough to use a regional modeling program to correlate health effects on a basin-wide level.

In Sierra Club v. County of Fresno (Friant Ranch) (2018) 6 Cal.5th 502, Case No. S21978, the California Supreme Court found that the EIR for the proposed Friant Ranch project failed to adequately analyze the project's air quality impacts on human health where project-related mass emissions would exceed the San Joaquin Valley Air Pollution Control District's regional significance thresholds. The Court found that EIRs for projects must not only identify impacts to human health, but also provide an "analysis of the correlation between the project's emissions and human health impacts" related to each criteria air pollutant that exceeds the regional significance thresholds or explain why it could not make such a connection. The EIR failed to do either and therefore did not comply with CEQA. As stated above, it is not possible to determine a direct correlation between the small amount by which the Project exceeds thresholds of significance for VOCs, NO_X, CO, PM_{10} and $PM_{2.5}$ and health effects that are generally linked to these emissions. Ozone concentrations are dependent upon a variety of complex factors, including the presence of sunlight and precursor pollutants, natural topography, nearby structures that cause building downwash, atmospheric stability, and wind patterns. Because of the complexities of predicting ground-level ozone concentrations in relation to the National AAQS and California AAQS, and the absence of modeling that allows for specific health-emissions correlations for an air basin from small projects such as the proposed Project, it is not feasible to link health risks to the magnitude of any emissions exceeding the significance thresholds.

Conclusion

Based on the foregoing analysis, sensitive receptors would not be exposed to substantial pollutant concentrations as the result of Project construction or operation. Impacts would be less than significant consistent with the conclusions of the General Plan EIRs. There are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

d. Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Project Impact Adequately Addressed in Previous Documentation. Objectionable odors are generally regarded as an annoyance rather than a health hazard and the ability to detect odors varies considerably among the population and overall is subjective. Land uses generally associated with odor complaints include: agricultural uses (livestock and farming), wastewater treatment places, food processing plants, chemical plants, composting operations, refineries, landfills, dairies, and fiberglass molding facilities. The Project does not contain land uses typically associated with emitting objectionable odors.

Potential odor sources associated with the Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the Project's (long-term operational) uses. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the solid waste regulations. The Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors, or emissions that may lead to odors, associated with the Project's construction activities and operations would be less than significant, consistent with the conclusions of the General Plan EIRs, and there are no peculiar effects with respect to odors or other emissions not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs .

2.4 Biological Resources

2.4.1 Summary of Previous Environmental Analysis

The analysis of biological resources impacts for the General Plan 2035 is provided in Section 5.10, Biological Resources, of the 2011 EIR. At the time the 2011 EIR was prepared, the Project site was undeveloped and disturbed except for the two on-site residential units, similar to existing conditions.

The 2011 EIR concluded that future development within the City pursuant to the General Plan 2035 would result in less than significant impacts to special status species (listed); sensitive vegetation communities, including riparian habitat or federally protected wetlands; wildlife corridors; conflicts with local policies, or ordinances protecting biological resources; and conflicts with the MSHCP. Future development under the General Plan 2035 would be subject to compliance with the City's MSHCP Implementation Policy, the MSHCP, and General Plan 2035 goals and policies to address potential impacts to biological resources. Additionally, the 2011 EIR indicated that on site assessments of potential impacts to biological resources would be conducted and, if necessary, project-specific mitigation would be recommended, in addition to MMRP and MSHCP measures, to reduce potential impacts to a less than significant level. Cumulative impacts on biological resources were also determined to be less than significant. No mitigation measures were required.

The 2020 SEIR concluded that the General Plan would not result in new or substantially greater biological impacts than identified in the 2011 EIR and that the level of impact (less than significant) remained unchanged from that cited in the 2011 EIR. No new mitigation measures relating to biological resources were required in the 2020 SEIR.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.4.2 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:					
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☒	☐	☐	☐
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☒	☐	☐	☐
c) Have a substantial adverse effect on State or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☒	☐	☐	☐

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impeded the use of native wildlife nursery sites?	☐	☒	☐	☐	☐
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☒	☐	☐	☐
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☒	☐	☐	☐

Information provided in this section is based on the Project-specific Biological Resources Technical Report (WRA, 2024) prepared by WRA Environmental Consultants (WRA). This report is included as *Technical Appendix C* to this document. Preparation of the Biological Resources Report included:

- Delineation of aquatic resources (including wetlands and riparian habitat) subject to the jurisdiction of the U.S. Army Corps of Engineers (Corps), Regional Water Quality Control Board (RWQCB), CDFW, and MSHCP riparian/riverine areas and vernal pools policy;
- Performance of vegetation mapping for the Project site;
- Performance of habitat assessments, and site-specific biological surveys, to evaluate the presence/absence of special-status species in accordance with the requirements of CEQA and the MSHCP;
- Performance of focused surveys for rare plants; and
- Performance of focused surveys for burrowing owl.

A detailed discussion of the methods used to identify biological resources and assess potential impacts resulting from the Project is provided in the Biological Technical Report.

The Project site contains a mixture of disturbed/developed areas in the form of unpaved access roads, two small single-family homes, as well as blocks of disturbed and undisturbed native habitat types. The Project's Study Area includes approximately 17.26 acres and includes all of the impact areas on the Project site. Eight land cover types were observed within the Study Area: developed, disturbed/ruderal, coastal sage scrub, chamise chaparral, coast live oak woodland, emergent wetland, streams, mulefat scrub, and southern willow scrub. Table 2-7 provides a summary of the vegetation/land use types and their corresponding acreage.

Table 2-7 Summary of Vegetation/Land Use Types

Vegetation/Land Use Type	Project Site (acres)
Developed Area	1.24
Disturbed/Ruderal Area	6.94
Coastal Sage Scrub	1.18
Chamise Chaparral	7.25
Coast Live Oak Woodland	0.35
Mulefat Scrub	0.04
Unvegetated Streambed	0.05
Emergent Marsh	0.01
Southern Willow Scrub	0.53
Total	**17.26**

Source: (WRA, 2024)

- **Developed Area (no vegetation alliance). CDFW Rank: None.** Approximately 1.24 acres of the Study Area is developed area. In these areas, vegetation is minimal and is primarily bare ground (i.e., dirt roads and driveways) or structures. What vegetation is present is composed of scattered annual weeds such as short-pod mustard (*Hirschfeldia incana*) or ornamental trees such as Eucalyptus sp. This community is not considered sensitive by CDFW or any other regulatory entity; however, the trees could be used by migratory birds.

- **Disturbed/Ruderal Area (no vegetation alliance). CDFW Rank: None.** Developed/ruderal areas total 6.94 acres within the Study Area. These areas intergrade with areas of mature chamise chaparral and are potentially managed as defensible space or for fuels management reasons. Vegetation is varied in terms of dominance across the Study Area but typically include one or more of the following species: California buckwheat, deerweed, paniculate tarplant, short-pod mustard, and yellow annual sweet clover. Additional species that are found within these areas include tocalote, red brome, rattail sixweeks grass, and common sand aster. This community is not considered sensitive by CDFW or any other regulatory agency.

- **Coastal Sage Scrub (restored). G5/S5. CDFW Rank: Not sensitive.** Approximately 1.18 acres of Diegan coastal sage scrub (restored) were observed within the Study Area. The Diegan coastal sage scrub is associated with the cut slope facing Clinton Keith Road along the southern boundary of the survey area. Given the standard plant palette, evidence of irrigation, and land use history, this vegetation type is likely planted as a part of a native plant erosion control/habitat restoration program. This community is not considered sensitive by CDFW or any other regulatory agency.

- **Chamise Chaparral (Adenostoma fasciculatum Shrubland Alliance). G5/S5. CDFW Rank: Not sensitive.** Chamise chaparral totals 7.25 acres of the Study Area with the largest stands of the vegetation community located in the far eastern and central sections of the Study Area. Chamise chaparral occurs throughout cismontane California from lower mountain slopes to coastal bluffs. Chamise chaparral stands in the Study Area is dominated by chamise with other shrubs such as deerweed, California buckwheat, and lemonade berry (Rhus integrifolia) providing less than five percent cover. Annual groundcover is sparse within the community and include common annual species found across the Study Area such as red brome, tocalote, short-pod mustard, and Cryptantha sp. This community is not considered sensitive by CDFW or any other regulatory agency.

- **Coast Live Oak Woodland (Quercus agrifolia Forest & Woodland Alliance). G5/S4. CDWF Rank: Not sensitive.** Coast live oak woodland total 0.35 acres in the northwest corner of the Study Area. Coast live oak woodland occurs along cismontane coastal foothills and valleys from San Diego County to southern Mendocino County. Coast live oak is the dominant species of the upper canopy for this alliance with red willow (*Salix laevigata*), blue elderberry (*Sambucus nigra ssp. Caerulea*), and poison oak (*Toxicodendron diversilobum*) forming a mixed, woody mid canopy. Herbaceous groundcover is sparse and primarily composed of ripgut brome (*Bromus diandrus*) and iris-leaved rush (*Juncus xiphioides*). This community is not considered sensitive; however, within the Study Area the community is associated with a stream, which may be considered riparian habitat and sensitive by CDFW as riparian habitat.

- **Mulefat Scrub (Baccharis salicifolia shrubland alliance). G4/S4, CDFW Rank: Not sensitive.** Mulefat scrub total 0.04 acres in the southwest corner of the Study Area and is associated with a culvert at the intersection of Clinton Keith Road and Whitewood Road. The culvert drains a natural stream course beneath Clinton Keith Road. As such, the mulefat should be considered natural and not exempt from Federal, State, or local regulation. The mulefat shrubland alliance occurs throughout the state except for the southeast deserts, high elevations of the Sierra Nevada range, and in the far northeast of the state. The alliance is commonly found in canyon bottoms, floodplains, and stream margins. This community is not considered sensitive; however, within the Study Area the community is associated with a stream, which may be considered riparian habitat and sensitive by CDFW and the MSHC.

- **Unvegetated Streambed. (no vegetation alliance). CDFW Rank: Sensitive.** Approximately 0.05 acres of unvegetated streambed habitat was observed within the Project area. Stream bed habitat is composed of small, linear unvegetated features caused by the flow of water.

- **Emergent Marsh. (Juncus xiphioides Provisional Herbaceous Alliance). G2/S2 CDFW Rank: Sensitive.** Emergent marsh totals 0.01 acre and includes areas dominated by herbaceous, low-growing hydrophytic vegetation often rooted in shallow water adjacent to a larger waterbody such as a stream or lake. Emergent marsh within the Study Area is associated with a northeast trending drainage. The dominant vegetation within the emergent marsh is iris-leaved rush, and included annual beard grass (*Polypogon monspeliensis*), seep monkeyflower (*Erythranthe guttata*), poison hemlock (*Conium maculatum*), and curly dock (*Rumex crispus*). Emergent marshlands are sensitive biological communities.

- **Southern Willow Scrub. (Salix gooddingii- Salix laevigata Forest & Woodland Alliance). G4/S3. CDFW Rank: Sensitive.** Southern willow scrub totals 0.53 acres located in the northwest quarter of the Study Area. The forest and woodland alliance occurs throughout the state except for high elevation in the Sierra Nevada range and in the far northeast of the state. The alliance is commonly found along large rivers and canyon terraces, lake edges, seeps, springs, and stream floodplains. The dominant vegetation within the southern willow scrub is red willow (*Salix laevigata*) in the tree canopy with Fremont's cottonwood (*Populus fremontii*) and coast live oak also present. Shrub cover within the alliance included coyote bush (*Baccharis pilularis*) and poison oak. Herbaceous cover was light and included iris-leaved rush, annual beard grass, annual yellow sweet clover, and poison hemlock. Southern willow scrub are sensitive biological communities.

The biological resources study area is within the Southwest Area Plan of the Western Riverside County MSHCP. The biological resources study area is not located within a Criteria Cell. Approximately 70% of the study area is included in the MSHCP Burrowing owl survey area and approximately 70% is included in this MSHCP narrow endemic survey area.

a. Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

Project Impact Adequately Addressed in Previous Documentation. Table 8 of the Biological Resources Report provides a list of permanent impacts to sensitive species which include Intermediate mariposa lily (*Calochortus weedii var. intermedius*), Parry's spineflower (*Chorizanthe parryi var. parryi*), Long-spined spineflower (*Chorizanthe polygonoides var. longispina)*, San Diego tarweed (*Deinandra paniculate*), Southern California rufous crowned sparrow (*Aimophila ruficeps canescens*), Bell's sage sparrow (*Artemisiospiza belli belli*), Northwestern San Diego pocket mouse (*Chaetodipus fallax fallax*) Orange-throated whiptail (*Aspidoscelis hyperythra*), and Coast horned lizard (*Phrynosoma blainvillii*). All observed sensitive plants populations and sensitive wildlife habitat would be permanently impacted by Project activities.

There are no anticipated temporary impacts to sensitive species associated with the Project. A total of four (4) special status plant species would be permanently impacted by Project activities including Intermediate mariposa lily, Parry's spineflower, long-spined spineflower, and paniculate tarplant. In addition, a total of five (5) special-status wildlife species have potential to occur in the immediate vicinity of or in portions of the Study Area: southern California rufous-crowned sparrow (*Aimophila ruficeps canescens*), Bell's sage sparrow (*Artemisiospiza belli belli*), northwestern San Diego pocket mouse (*Chaetodipus fallax fallax*), orange-throated whiptail (*Aspidoscelis hyperythra*), coast horned lizard (*Phrynosoma blainvillii*) and may be impacted by Project activities, resulting in a potentially significant impact prior to implementation of Project conditions of approval. PCOA-BIO-1 requires nesting bird clearance surveys for habitat-disturbing activities, PCOA-BIO-2 requires bat roost assessments prior to the removal of on-site structures, and PCOA-BIO-3 requires spring rare plant surveys. PCOA-BIO-5 requires exclusionary fencing on the project site, PCOA-BIO-6 requires removal permits for all protected trees, PCOA-BIO-7 requires compliance with Urban Wildlife Interface Guidelines, PCOA-BIO-8 requires the

implementation of Best Management Practices (BMPs) during construction, and PCOA-BIO-9 requires the removal of all trash on site.

Approximately 70% of the Project site is located within the MSHCP Burrowing owl survey area and requires preparation of a burrowing owl habitat assessment. No burrowing owls, burrowing owl signs, or potential burrows were observed within the Study Area, and the Study Area does not provide suitable habitat for this species. Flatter, open areas with more scattered perennial vegetation do exist on site, but those areas generally did not have friable soils and appear to be at least semi-regularly mowed as defensible space. However, out of an abundance of caution, PCOA-BIO-4 requires a pre-construction survey for burrowing owl prior to commencement of grading activities in an area containing suitable burrowing owl habitat.

With implementation of PCOAs BIO-1 through BIO-9 and required payment of MSHCP mitigation fees, there are no peculiar effects with respect to regulated species not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

Project Conditions of Approval

Although the following Project conditions of approval (PCOAs) pertaining to pre-construction burrowing owl and nesting bird surveys were not included in the General Plan EIR MMRP, the General Plan EIRs acknowledge that burrowing owl, nesting birds, and sensitive wildlife species occur in the City, and the General Plan Update includes various goals and policies to ensure the protection of biological resources in the City and adherence to regulations protecting biological resources. The City routinely requires such pre-construction surveys and construction measures for any new development within the City on properties that contain suitable habitat. As such, the following PCOAs comprise uniformly applied development policies that are routinely applied by the City to new development projects to ensure compliance with local, State, and federal regulations.

PCOA-BIO-1 To maintain compliance with the MBTA and CFG Code. if ground—disturbing and/or vegetation clearance activities are scheduled to occur during the avian nesting season (typically December IN through August 31). a pre-construction nesting bird survey shall be conducted by a qualified biologist within the project impact footprint and a 500-foot buffer where legal access is granted around the disturbance footprint. Surveys shall be conducted within 3 days prior to initiation of activity.

If an active nest is detected during the nesting bird survey. avoidance buffers shall be implemented as determined by a qualified biologist. The buffer shall be of a distance to ensure avoidance of adverse effects to the nesting bird by accounting for topography, ambient conditions. species, nest location. and activity type. All nests shall be monitored as determined by the qualified biologist until nestlings have fledged and dispersed or it is confirmed that the nest has been unsuccessful or abandoned. The qualified biologist shall halt all construction activities within proximity to an active nest if it is determined that the activities are harassing the nest and may result in nest abandonment or take. The qualified

biologist shall also have the authority to require implementation of avoidance measures related to noise, vibration, or light pollution if indirect impacts are resulting in harassment of the nest.

PCOA-BIO-2 The removal of structures, trees, and snags should be performed outside of the bat maternity roosting season (April 1 through August 15). For structures and trees greater than 16 inches in diameter at breast height that may be disturbed by future activities on the site, irrespective of the time of year, a bat roost assessment shall be conducted to assess the suitability of these areas for day roosting and maternity roosting bats. This assessment shall be conducted by a qualified biologist at least 30 days prior to disturbance. If any of these areas are found to be suitable for roosting bats or show signs of bat use, roost exclusion should occur prior to disturbance. If a maternity roost is discovered or special-status bats are observed, avoidance and minimization measures should be developed in consultation with the California Department of Fish and Wildlife. Irrespective of the time of year, felled trees and snags shall lay undisturbed for one night to allow any day roosting bats to leave the tree or snag before chipping, grinding, or off-hauling.

PCOA-BIO-3 A rare plant survey shall be conducted by a qualified biologist at the site in the spring to confirm the lack of potential for narrow endemic plant species to occur.

PCOA-BIO-4 A pre-construction survey for resident burrowing owls shall be conducted by a qualified biologist within 30 days prior to commencement of grading and construction activities within those portions of the Project site containing suitable burrowing owl habitat. The pre-construction survey shall include suitable habitat up to 656 feet (200 meters) from proposed activities and be conducted prior to the start of staging and construction, regardless of the time of year. Occupied burrows shall not be disturbed during the nesting season (February 1 through August 31) unless a qualified biologist verifies that either: (1) the birds have not begun egg-laying and incubation; or (2) that juveniles from the occupied burrows are foraging independently and capable of independent survival. If burrowing owl is detected within the disturbance area during the non-nesting season and the burrow cannot be avoided, burrowing owl exclusion shall be implemented. At least 1 week will be allowed to accomplish this and allow the owls to acclimate to alternate burrows. If burrowing owl is detected outside the disturbance area but within the Project Area during the non-nesting season, vehicle traffic and construction noise and visual disturbance shall be minimized to reduce the potential for flushing overwintering owls from protective burrows. The results of all preconstruction surveys for burrowing owl shall be provided in a written report to the City of Murrieta Planning Department and other agencies when required by applicable permits and survey protocols.

PCOA-BIO-5 Prior to ground disturbing activities, exclusion barriers and/or fencing shall be installed to exclude sensitive wildlife from areas of active construction. The design of the exclusion barriers and fencing will be approved by a qualified biologist and shall be installed in the presence of a qualified biological monitor. The fence will be made of a material that does not allow sensitive reptiles and mammals to pass through, and the bottom will be buried

to a depth of a minimum of four inches so that these species cannot crawl under the fence. All support for the exclusion fencing will be placed on the inside of the Project footprint.

A qualified biological monitor will be present during wildlife exclusion fence installation and removal, and during all vegetation clearing, grubbing, and initial ground disturbance. The monitor will have demonstrated experience in biological construction monitoring and knowledge of the biology of the special-status species that may be found in the Study Area., The monitor(s) will have the authority to halt construction, if necessary, if noncompliance actions occur. The biologist will conduct weekly site checks to provide guidance for fence maintenance, provide environmental sensitivity training, and document compliance with permit conditions.

PCOA-BIO-6 No protected tree shall be removed, cut down, or otherwise destroyed unless a tree removal permit has been approved by the Director. Notwithstanding the above, a tree removal permit shall not be required in the event that the removal or relocation of a protected tree is proposed as part of a discretionary permit application. While a tree removal permit is not required, all other provisions of this chapter shall still apply to the discretionary permit.

The design of each project shall recognize the desirability of preserving protected trees to the greatest extent feasible. The design of the grading and other improvements shall reflect consideration of the following safeguards.

a. Provision of sufficient growing areas as required oy individual species;

b. No disruption or removal of structural or feeder roots;

c. Fencing of trees at or beyond their drip lines during grading and construction activities;

d. No filling cutting, development, or compaction of soils within the drip line;

e. Preservation of oak leaf litter below the drip line; and

f. Other measures required by the particular species of tree(s) to be preserved as recommended fly the consulting arborist, horticulturist, or landscape architect.

It is recognized that the preservation of all healthy trees on a development site may sometimes conflict with reasonable land developmental considerations (e.g., adequate drainage, grading, circulation, safety, and provision of utilities.) However, the design of the proposed development shall address preservation of the most desirable and significant of the healthy trees and the developer is encouraged to utilize creative land planning techniques to achieve this goal.

The review authority shall consider each development proposal and determine the adequacy and appropriateness of the proposed plan to preserve and maintain protected trees. Grading and landscaping plans shall implement an approved tree preservation program. The locations of all protected trees shall be indicated on the plans by the number of the trees as described in the tree report. Notes shall identify which trees are to be preserved, and which may be removed. Plans shall be consistent with the required tree protection mitigation measures included in the project application, initial study, mitigated negative declaration environmental impact report and monitoring plan, and the conditions of the development approval. Plans shall be approved by the director and the city engineer. Prior to use inauguration, the preserved trees shall he trimmed for healthy balance, structural integrity and ornamental appearance as recommended in the tree report for the project.

The precise vertical and horizontal locations (plus or minus one foot) of all protected trees shall be shown on the site plan as part of the initial application unless the project does not involve exterior alterations or construction activities.

PCOA-BIO-7 The Owner/Permittee shall implement the following Urban Wildlife Interface Guidelines (Western Riverside County MSHCP Section 6.1.4) to minimize and avoid indirect effects from development adjacent to MCHCP Conservation Areas, where applicable:

The project applicant shall implement the following Urban Wildlife Interface Guidelines (Western Riverside County MSHCP Section 6.1.4) to minimize and avoid indirect effects from development adjacent to MSHCP Conservation Areas, where applicable.

a. Drainage: proposed developments in proximity to the MSHCP Conservation Area shall incorporate measures, including measures required through the National Pollutant Discharge Elimination System (NPDES) requirements, to ensure that the quantity and quality of runoff discharged to the MSHCP Conservation Area is not altered in an adverse way when compared with existing conditions. In particular, measures shall be put in place to avoid discharge of untreated surface runoff from developed and paved areas into the NISHCP Conservation Area. Stormwater systems shall be designed to prevent the release of toxins, chemicals, petroleum products, exotic plant materials or other elements that might degrade or harm biological resources or ecosystem processes within the MSHCP Conservation Area. This can be accomplished using variety of methods including natural detention basins, grass swales or mechanical trapping devices. Regular maintenance shall occur to ensure effective operations of runoff control systems

b. Toxins. Land uses proposed in proximity to the MSHCP Conservation Area that use chemicals to generate byproducts such as manure that are potentially toxic or may adversely affect wildlife species, habitat, or water quality shall incorporate measures to ensure that application of such chemicals does not result in discharge to the MSHCP

Conservation Area. Measures such as those employed to address drainage issues shall be implemented.

PCOA-BIO-8 The following Best Management Practices (BMPs), as applicable, shall be implemented for the duration of construction.

a. A qualified biologist shall conduct a training session for project personnel prior to grading. The training shall include a description of the species of concern and its habitats, the general provisions of the Endangered Species Act (ESA) and the Western Riverside County Multiple Species Habitat Conservation Plan {MSHCP), the need to adhere to the provisions of the ESA and the MSHCP, the penalties associated with violating the provisions of the ESA. the general measures that are being implemented to conserve the species of concern as they relate to the project, and the access routes to and project site boundaries within which the project activities must be accomplished.

b. Water pollution and erosion control plans shall be developed and implemented in accordance with RWQCB requirements.

i. The footprint of disturbance shall be minimized to the maximum extent feasible. Access to the site shall be pre-existing access routes to the greatest extent possible.

ii. The upstream and downstream limits of project disturbance plus lateral limits of disturbance on either of the of the stream shall be clearly defined and marked in the field and reviewed by the biologist prior to the initiation of work.

iii. Projects should be designed to avoid the placement of equipment and personnel within the stream channel or on sand and gravel banks, bars. and adjacent upland habitats used by target species of concern.

iv. Projects that cannot be conducted without placing equipment car personnel in sensitive habitats should be timed to avoid the breeding areas of riparian species identified in MSHCP Global Species Objective No. 7.

v. When stream flows must be diverted, the diversions shall be conducted using sandbags or other methods requiring minimal instream impacts. Silt fencing or other sediment trapping materials shall be installed at the downstream end of construction activity to minimize the transport of sediments offsite. Settling ponds where sediment is collected shall be cleaned out in a manner that prevents the sediment from reentering the stream . Care shall be exercised when removing silt fences, as feasible, to prevent debris or sediment from returning to the stream.

vi. Equipment storage, fueling, and staging areas shall be located on upland sites with minimal risk of drainage into riparian areas or other sensitive habitats. These designated areas shall be located in such a manner as to prevent any runoff from entering sensitive habitat. Necessary precautions shall be taken to prevent the release of cement or other toxic substances into surface waters. Project-related spills of hazardous materials shall be reported to appropriate entities, including but not limited to, the applicable jurisdictional city, USFWS, CDFW, and RWQCB, and shall be cleaned up immediately and contaminated soils removed to approved disposal areas.

vii. Erodible fill material shall not be deposited into water courses. Brush, loose soils, or other similar debris material shall not be stockpiled within the stream channel or on its banks.

viii. The qualified project biologist shall monitor construction activities for the duration of the project to ensure that practicable measures are being employed to avoid incidental disturbance of habitat and species of concern outside the project footprint.

ix. The removal of native vegetation shall be avoided and minimized to the maximum extent practicable. Temporary impacts shall be returned to pre-existing contours and revegetated with appropriate native species.

x. Exotic species that prey upon or displace target species of concern should be permanently removed from the site to the extent feasible.

xi. To avoid attracting predators of the species of concern. the project site shall be kept as clean of debris as possible. All food-related trash items should be enclosed in sealed containers and regularly removed from the site.

xii. Construction employees shall strictly limit their activities, vehicles, equipment, and construction materials to the proposed project footprint and designated staging areas and routes of travel. The construction area(s) shall be the minimal area necessary to complete the project and shall be specified in the construction plans. Construction limits will be fenced with orange snow screen Exclusion fencing should be maintained until the completion of all construction activities. Employees shall be instructed that their activities are restricted to the construction areas.

xiii. The Permittee shall have the right to access and inspect any sites of approved projects including any restoration/enhancement area for compliance with project approval conditions, including these best management practices

PCOA-BIO-9 During construction of the Project, food-related trash items such as wrappers, cans, bottles, and food scraps will be disposed of in solid, closed containers (trash cans) and removed at the end of each work day to eliminate an attraction to predators of listed sensitive species identified on the Project site.

b. Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

Project Impact Adequately Addressed in Previous Documentation. The Project site contains riparian and riverine areas as defined in Section 6.1.2 of the MSCHP; therefore, a MSHCP Determination of Biological Equivalent or Superior Preservation (DBESP) is required as 100 percent avoidance of on-site riparian/riverine areas cannot be met with the proposed Project. The Project-specific DBESP is included as *Technical Appendix C.3* to this EIR. Table 2-8, *Summary of Impacts to Sensitive Natural Communities*, presents a list of permanent impacts to sensitive natural communities. Approximately 0.11 acre of coast live oak woodland, 0.41 acre of southern willow scrub, 0.04 acre of mulefat scrub, 0.01 acre or emergent marsh, and 0.02 acre of unvegetated streambed would be impacted by Project activities. All sensitive natural communities present within and adjacent to the Project footprint are wetlands and other areas subject to Section 404/401, CDFW 1602, County MSHCP Riparian/Riverine jurisdiction. Impacts to wetlands are discussed separately under threshold "c" below. Native vegetation communities impacted by the Project would be mitigated with mandatory payment of MSCHP fees and implementation of PCOA BIO-6, which requires the Project to obtain Wildlife Agency permits. Therefore, there are no peculiar effects with respect to identified riparian habitat or other sensitive natural communities not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

Table 2-8 Summary of Impacts to Sensitive Natural Communities

Vegetation/Land Use Type	Project Site (acres)
Coast Live Oak Woodland	0.11
Southern Willow Scrub	0.41
Mulefat Scrub	0.04
Emergent Marsh	0.01
Unvegetated Streambed	0.02

Source: (WRA, 2024)

Project Conditions of Approval

Although the following PCOA pertaining to regulatory agency permits were not included in the General Plan EIR MMRP, the General Plan EIRs acknowledge that jurisdictional features occur in the City, and the General Plan Update includes various goals and policies to ensure the protection of biological resources in the City and adherence to regulations protecting biological resources. The City routinely requires obtaining Wildlife Agency permits and payment of mitigation credits for any new development within the

City on properties that contain jurisdictional features. As such, the following PCOA comprises a uniformly applied development policy that is routinely applied by the City to new development projects to ensure compliance with local, State, and federal regulations.

PCOA-BIO-10 Prior to issuance of grading permits, the Project Applicant shall obtain the appropriate permits/approvals from the regulatory agencies, including a Corps Section 404 permit, RWQCB Section 401 Water Quality Certification, CDFW Section 1602 Streambed Alteration Agreement for impacts to jurisdictional areas, and RCA review/approval of impacts to MSHCP riverine resources. As part of the permitting process, it is expected that the regulatory agencies shall require compensatory mitigation for permanent impacts to 0.59-acre of MSHCP Section 6.1.2 riparian and riverine resources located within the two drainages located on the Project site, including 0.57-acre of MSHCP riparian resources, and 0.02-acre of MSHCP riverine resources.

a. The applicant's complete mitigation proposal includes the following options:

b. The purchase of 0.88 acre of re-establishment mitigation credits from the San Luis Rey Mitigation Bank; and

c. The purchase of 4.13 acres of preservation credits at the Barry Jones Skunk Hollow Mitigation Bank; and

d. The planting of 100, 1 gallon oak trees within preserved areas on-site and within a City owned and managed open space parcel (Los Alamos Sports Park, Phase II).

Or

e. The use of an off-site PRM project with equivalent or superior natural resources to be added to the MSHCP preserve system.

c. Would the project have a substantial adverse effect on State or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Project Impact Adequately Addressed in Previous Documentation. Table 2-9**,** *Summary of Impacts to Jurisdictional Areas*, presents a list of permanent impacts to jurisdictional areas. Potentially impacted wetlands and non-wetland waters considered jurisdictional by the USACE and RWQCB were observed onsite totaling 0.44 acre and 607 linear feet. Riparian, Riverine, and Streambeds considered jurisdictional by CDFW and MSHCP were also observed and total 0.59 acres and 607 linear feet.

The boundaries of UCACE, RWQCB, and CDFW jurisdictional waters are depicted on Figure 2-2, *Corps/RWQCB Jurisdictional Delineation Impact Map,* and Figure 2-3, *CDFW Jurisdictional Delineation and MSHCP Riparian/Riverine Impact Map*, respectively.

Source(s): WRA (05-14-2024)

Figure 2-2

Not to Scale

Corps/RWQCB Jurisdictional Delineation Impact Map

Lead Agency: City of Murrieta

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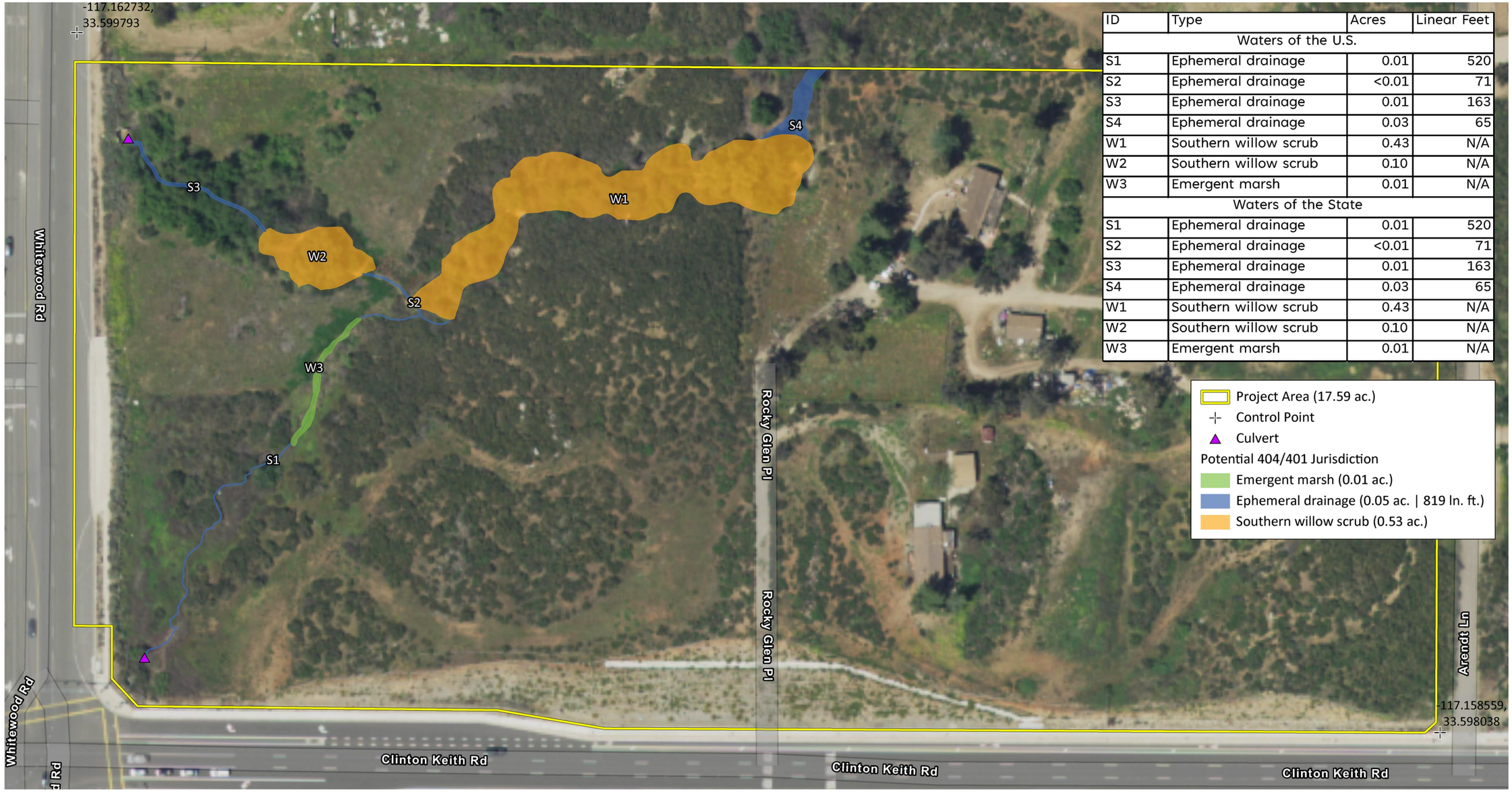


ID	Type	Acres	Linear Feet
Waters of the U.S.			
S1	Ephemeral drainage	0.01	520
S2	Ephemeral drainage	<0.01	71
S3	Ephemeral drainage	0.01	163
S4	Ephemeral drainage	0.03	65
W1	Southern willow scrub	0.43	N/A
W2	Southern willow scrub	0.10	N/A
W3	Emergent marsh	0.01	N/A
Waters of the State			
S1	Ephemeral drainage	0.01	520
S2	Ephemeral drainage	<0.01	71
S3	Ephemeral drainage	0.01	163
S4	Ephemeral drainage	0.03	65
W1	Southern willow scrub	0.43	N/A
W2	Southern willow scrub	0.10	N/A
W3	Emergent marsh	0.01	N/A

Source(s): WRA (05-14-2024)

Figure 2-3

Not to Scale

CDFW Jurisdictional Delineation and MSHCP Riparian/Riverine Impact Map

Table 2-9 Summary of Impacts to Jurisdictional Areas

Vegetation/Land Use Type	Regulatory Permit	Acres	Linear Feet
U.S. Army Corps of Engineers	CWA 404 Permit	0.44	607
Regional Water Quality Control Board	401 Water Quality Certification	0.	607
California Department of Fish and Wildlife	1602 Streambed Alteration Agreement	0.59	607
County of Riverside	MSHCP Riparian/Riverine	0.59	607

Source: (WRA, 2024)

Potentially significant impacts to wetlands jurisdictional to USACE, RWQCB, CDFW, and the MSHCP are anticipated as a result of Project activities. With implementation of PCOA BIO-10 which requires the Project obtain the appropriate Wildlife Agency permits and mitigate impacts to sensitive habitats, the Project would not have a substantial adverse effect on State or federal protected wetlands through dirt removal, filling, hydrological interruption, or other means. Therefore, there are no peculiar effects with respect to State or federally protected wetlands not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

d. Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impeded the use of native wildlife nursery sites?

Project Impact Adequately Addressed in Previous Documentation. The biological resources study area lacks migratory wildlife corridors and wildlife nursery sites and does not occur within MSHCP Cores or Linkages. The Project is surrounded by Whitewood Road and residential development to the west, semi-developed areas to the north and east, and Clinton Keith Road and open space to the south. Furthermore, the Project would be required to comply with the Migratory Bird Treaty Act (MBDA) and California Department of Fish and Wildlife (CDFW) code. To avoid impacts to nesting birds the Project Applicant would implement PCOA BIO-1, which requires vegetation be cleared between September 1 and February 14 or the conduct of a survey to verify that no nesting birds are present. The Project would not interfere or impact (1) the movement of native resident or migratory fish or wildlife species, (2) established native resident or migratory wildlife corridors, or (3) impede the use of native wildlife nursery sites. Therefore, there are no peculiar effects with respect to migratory wildlife corridors and wildlife nursery sites not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

e. Would the project conflict with any local policies or ordinances protecting biological resources, such as tree preservation policy or ordinance?

Project Impact Adequately Addressed in Previous Documentation. Section 16.42, *Tree Preservation*, of the Murrieta Municipal Code provides regulations for the protection, preservation, and maintenance of significant tree resources and to establish minimum measures for trees removed as a result of new development. Section 16.42 of Murrieta Municipal Code defines Protected trees as mature native oak trees, mature native trees, mature trees, a historically significant tree, or any tree required to be planted or preserved as environmental mitigation, or condition of approval for a discretionary permit. A Tree Survey and Arborist Report was prepared for the Project by CalPacific Services and is included as Technical Appendix D to this document. The Tree Survey and Arborist Report assessed 116 total trees on-site and determined 111 of the trees are considered Protected. Section 16.42 of Murrieta Municipal Code establishes tree replacement standards, including requirements for replacement size, oak tree replacements, requirement to replace mature trees with drought tolerant and non-invasive species. The Project would require the removal of a total of 106 trees qualified as protected and covered by the Murrieta Muni cipal Code. As such, the Project Applicant would be required to replace the impacted trees or pay an in-lieu fee in compliance with the Murrieta Municipal Code. Therefore, there are no peculiar effects with respect to conflicts with local policies and ordinances protecting biological resources not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

f. Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation plan, or other approved local, or state habitat conservation plan?

Project Impact Adequately Addressed in Previous Documentation. The Project is located in an area that is covered by the Western Riverside County MSHCP and, as such, is subject to the policies of the MSHCP. Following is an evaluation of the Project's consistency with MSHCP Reserve assembly requirements, MSHCP Section 6.1.2 (Protection of Species Associated with Riparian/Riverine Areas and Vernal Pools), MSHCP Section 6.1.3 (Protection of Narrow Endemic Plant Species), MSHCP Section 6.1.4 (Guidelines Pertaining to the Urban/Wildlands Interface), and MSHCP Section 6.3.2 (Additional Survey Needs and Procedures).

Project Relationship to Reserve Assembly

The Project site is not within a criteria area for the MSHCP (not within a Criteria Cell, Cell Group, habitat core or linkage). The Project is north of criteria cell 5673 and RCA conserved lands "Calvary Chapel of Murrietta," but is separated from preserved lands by Clinton Keith Road, a six lane, 130-foot-wide roadway. In addition, the preserved area is separated from the Project and roadway by an approximately 25-foot-high road cut built as a part of the road construction. Due to the extensive transportation infrastructure (and its associated light, noise, and drainage sources) as well as topographical boundaries separating the Project from nearby preserved areas, the Project has little potential of contributing indirect impacts to nearby preserves. Impacts would be less than significant.

Protection of Species Associated with Riparian/Riverine Areas and Vernal Pools

As discussed under Threshold b, MSHCP Riparian/Riverine resources occur within the biological resources study area and all but 0.57 acre of riparian resources and 0.02 acre of riverine resources would be permanently avoided. A DBESP was required for the Project and has been prepared. The approved DBESP is included in *Technical Appendix B.2* of this document.

As identified in Project condition of approval PCOA BIO-10, impacts to MSHCP Riparian/Riverine resources would be mitigated at an approved mitigation bank and/or in-lieu fee program. To ensure that inadvertent encroachment into the area to be avoided does not occur during construction, Project condition of approval PCOA-BIO-5 requires that fencing be placed to demarcate the limits of disturbance. Placement of the fencing would be overseen by a biological monitor and all preliminary vegetation removal and initial grading would be monitored by a biologist. With implementation of PCOA-BIO-5 and BIO-10, impacts to MSHCP Riparian/Riverine areas would be less than significant.

The Project would not impact habitat with the potential to support riparian birds, including the least Bell's vireo, southwestern willow flycatcher, or the western yellow-billed cuckoo. No vernal or seasonal pools occur within the biological resources study area and the Project would not impact vernal pool species, including listed fairy shrimp.

Protection of Narrow Endemic Plant Species

Volume I, Section 6.1.3 of the MSHCP provides that within identified NEPSSA, site-specific focused surveys for Narrow Endemic Plant Species will be required for all public and private projects where appropriate soils and habitat are present. The majority of the biological resources study area is located within the MSHCP NEPSSA designated survey area 4 which targets the following species' Munz's onion, San Diego ambrosia, many-stemmed dudleya, spreading navarretia, California Orcutt grass, and Wright's trichocoronis. The biological resources study did not identify any narrow endemic plant species during sensitive species surveys. Therefore, the Project would be consistent with *Volume I, Section 6.1.3* of the MSHCP.

Additional Survey Need and Procedures

Volume I, Section 6.3.2 of the MSHCP states that in addition to the Narrow Endemic Plant Species addressed in Volume I, Section 6.1.3, additional surveys may be needed for other certain plant and animal species in conjunction with MSHCP implementation in order to achieve full coverage for these species. Within areas of suitable habitat, focused surveys are required for additional plant species if a Project site occurs within a designated CAPSSA. In addition, focused surveys are also required (within suitable habitat) for seven animal species as identified by the corresponding survey area.

The Project site is located within the MSHCP burrowing owl survey area. As discussed previously, focused burrowing owl surveys were performed and burrowing owls were not detected within the biological resources study area. However, pre-construction surveys are required no more than 30 days prior to construction to confirm the absence of owls (refer to PCOA-BIO-4). With the performance of pre-construction surveys, the Project would be consistent with Volume I, Section 6.3.2 of the MSHCP.

The Project site is not located within the MSHCP mammal or amphibian survey area.

In summary, the Project would be consistent with the biological requirements of the MSHCP; specifically pertaining to the Project's relationship to reserve assembly, Section 6.1.2 (Protection of Species Associated with Riparian/Riverine Areas and Vernal Pools), Section 6.1.3 (Protection of Narrow Endemic Plant Species), and Section 6.3.2 (Additional Survey Needs and Procedures). Additionally, Project conditions of approval PCOA BIO-5 through BIO-10, which document actions to take to ensure compliance with the MSCHP, would be implemented. The Project would have a less than significant impact with respect to conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation plan, or other approved local, or state habitat conservation plan.

Therefore, there are no peculiar effects with respect to conflict with local or regional conservation plans not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

2.5 Cultural Resources

2.5.1 Summary of Previous Environmental Analysis

Potential impacts on cultural resources, including cultural resources of Tribal concern, were addressed in Section 5.9 the 2011 EIR, which determined that future development pursuant to the General Plan 2035 had the potential to result in significant impacts on cultural resources and resources of Tribal concern through the development of vacant and underutilized land. Future development would be subject to compliance with the applicable goals and policies identified in the Conservation and Land Use Elements and would be required to implement General Plan EIR MMRP mitigation measures MM CR-1 through MM CR-3.

Additionally, the 2011 EIR determined that ground-disturbing activities, such as grading or excavation, have the potential to disturb unidentified human remains. However, following compliance with State regulations and with applicable General Plan 2035 policies and the implementation of General Plan EIR MMRP mitigation measures MMs CR-1 through MM CR-3, impacts were concluded to be less than significant. The 2011 EIR concluded that impacts, including cumulative impacts, would be less than significant with the incorporation of these mitigation measures.

The 2020 SEIR concluded that the potential impacts or mitigation measures related to cultural resources and resources of Tribal concern was not affected by the General Plan Update as future development pursuant to the General Plan Update could result in the development of the same vacant and underutilized land as analyzed in the 2011 EIR and impacts of future development projects would be evaluated on a case by case basis and would be required to comply with applicable federal, state, and local regulations, relevant General Plan goals and policies, and mitigation measures. Therefore, the 2020 SEIR concluded that no new or substantially greater impacts would occur with implementation of the General Plan Update when compared to those identified in the 2011 EIR and that the level of impact (less

than significant) remained unchanged from that cited in the 2011 EIR and no new mitigation measures were applied.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.5.2 Applicable General Plan EIR Mitigation Measures Incorporated into the Project

The following applicable mitigation measures from the General Plan EIR MMRP are incorporated into the Project and will be included in the MMRP for the Project.

CR-1 Future development projects shall continue to be evaluated for cultural resources by the City of Murrieta through review by the Eastern Information Center (EIC) and notification of and consultation with the local tribes for new entitlement projects. The projects shall be evaluated for compliance with the California Environmental Quality Act (CEQA) and where feasible, avoidance of cultural resources. If, following review by the EIC and/or tribal consultation, it is determined that there is a potential for impacts to cultural resources, further cultural resources analysis by a qualified professional(s), as defined in Mitigation Measure CR-2, may be required by the City.

CR-2 In the event that cultural resources (archaeological and historical) resources are inadvertently unearthed during excavation and grading activities of any future development project, the contractor shall cease all earth-disturbing activities within a 100-foot radius of the area of discovery. If not already retained due to conditions present pursuant to Mitigation Measure CR-1, the project proponent shall retain a qualified professional (i.e., archaeologist, Native American Tribal monitor), subject to approval by the City of Murrieta to evaluate the significance of the find and appropriate course of action (refer to Mitigation Measures CR-1 and CR-3). If avoidance of the resources is not feasible, salvage operation requirements pursuant to Section 15064.5 of the CEQA Guidelines shall be followed. After the find has been appropriately avoided or mitigated, work in the area may resume.

CR-3 In the event that human remains are unearthed during excavation and grading activities of any future development project, all activity shall cease immediately. Pursuant to State Health and Safety Code Section 7050.5, no further disturbance shall occur until the County coroner has made the necessary findings as to origin and disposition pursuant to PRC Section 5097.98. If the remains are determined to be of Native American descent, the coroner shall within 24 hours notify the Native American Heritage Commission (NAHC). The NAHC shall then contact the most likely descendant of the deceased Native American, who shall serve as consultant on how to proceed with the remains.

2.5.3 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:					
a) Cause a substantial adverse change in the significance of a historical resource pursuant to Section15064.5?	☐	☒	☐	☐	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section15064.5?	☐	☒	☐	☐	☐
c) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☒	☐	☐	☐

A Cultural Resources Survey Report was prepared by RECON Environmental, Inc. (Recon) in July 20, 2023 (Recon, 2024), which details the results of the cultural resources survey for the Project. The Cultural Resources Report is provided in *Technical Appendix D* of this document. Relevant information from the Cultural Resources Survey Report related to Tribal Cultural Resources is provided in Section 2.18 of this document.

a. Would the project cause a substantial adverse change in the significance of historical resources pursuant to Section 15064.5?

Project Impact Adequately Addressed in Previous Documentation. Under existing conditions, the Project site contains two residential structures. Construction of the two existing residences occurred between 1978 and 1996 along with significant grading around the northern dwelling. (Recon, 2024)

The Cultural Resources Survey Report included a records search for the Project site and an intensive survey of the Project site. The search entailed the review of all previously-recorded historic sites on or within a one-mile radius of the Project site. The records search did not identify any previously-recorded historic resources within the Project boundaries. As part of the field survey, two previously unrecorded cultural resources (10041-ISO-01 and 10041.1NDY-01) were identified on-site. Resource 10041-ISO-01 was identified to be a cultural isolate flake. Cultural isolates are not considered significant historical resources because they generally lack characteristics that would qualify them for listing on the National Register of Historic Places (NRHP) or the California Register of Historical Resources (CHRR). Therefore, 10041-ISO-01 (isolated flake) is not a historic property under the NRHP or a historical resource under the CRHR or the City's historic development code. Resource 10041.1-NDY-01 was identified to be a bedrock milling feature, which does not qualify as a historic resource because the bedrock milling feature could not be associated with a significant event or a significant person, and it does not possess a unique construction

method. Thus, the previously undiscovered resources on-site would not be considered historic resources. Therefore, the Project does not contain any historic resources and would not cause a substantial adverse change in the significance of any historical resources pursuant to Section 15064.5.

Therefore, there are no peculiar effects with respect to historical resources not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs and no new mitigation is required.

b. Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?

Project Impact Adequately Addressed in Previous Documentation. A Recon archaeologist performed the cultural resources survey of the northwestern, northeastern, and southeastern parcels on January 13, 2022, and of the southwestern parcel on September 29, 2022. Prior to the survey, a records search with a one-mile radius buffer of the 17.26-acre Area of Potential Effect was requested from the Eastern Information Center. No previously recorded cultural resources were identified within the Project area. Recon identified two previously unrecorded cultural resources (10041-ISO-01 and 10041.1NDY-01) within the 17.26-acre Project area during the field survey. Additionally, as a result of AB 52 tribal consultation with the Pechanga Band of Luiseño Indians, three potential cultural reburial sites were identified near the northern boundary of the Project site, in the event cultural resources are discovered during construction.

Resource 10041-ISO-01 was identified to be a cultural isolate flake. Cultural isolates are not considered significant cultural resources based on City guidelines. Resource 10041.1-NDY-01 was identified to be a bedrock milling feature. Resource 10041.1-NDY-01 is not associated with any surface artifacts but may possess a subsurface component that may yield additional prehistoric data. The Project archeologist recommended a Phase 2 testing program to determine if the resource has subsurface deposits; however, in connection with engaging with the Pechanga Band of Luiseño Indians for the required Tribal consultation, and to discuss the engagement of a Native American monitor during the excavation, the Tribe requested that no Phase 2 excavation be completed as part of the environmental review. Thus, no further investigation of the bedrock milling feature was undertaken. In order to prevent significant impacts to the potentially significant subsurface component of the bedrock milling feature, PCOA CUL-1 would require controlled grading around the bedrock milling feature.

At the request of the Pechanga Band of Luiseño Indians, the potential cultural reburial sites located on the Project site would be avoided by Project development and preserved as part of Project site design, as required by PCOA CUL-10. Furthermore, as required by PCOA CUL-9, the Project would be required to comply with all requirements for the avoidance and treatment of Tribal Cultural Resources and incorporate the utilization of controlled grading techniques and relocation of resources as provided under Confidential Exhibits, Figure 1, "Relocation Area," and Figure 2, "Control Grading Area."

In addition to known archeological resources, there is a potential that previously undiscovered archaeological resources would be encountered during excavation activities in native soils, resulting in a potentially significant impact prior to implementation of Project conditions of approval. General Plan EIR

MMRP MM-CR-2 identifies actions to take in the event previously unknown archaeological resources are encountered during construction (cease construction within a 100-foot radius of the area of discovery, evaluation of the significance of the find and appropriate course of action, salvage, etc.). Furthermore, PCOA-CUL-1 requires controlled grading lead by an archeological and Native American monitor, PCOA-CUL-2 requires verification from an archeological and Native American monitor prior to grading, and PCOA-CUL-3 requires archaeologist consultation if cultural resources are encountered. PCOA-CUL-4 sets requirements in the event that human remains are found, and PCOA-CUL-5 sets requirements in the event that cultural resources are found on-site. PCOA-CUL-6 requires the development of a Cultural Resources Monitoring Plan. PCOA-CUL-7 requires subsurface cultural resources to be evaluated by an archeological monitor, PCOA-CUL-8 requires on-site preservation and reburial, and PCOA-CUL-9 requires compliance with all grading techniques and cultural resources avoidance. PCOA CUL-10 requires 0.62-acre of the Project site would be preserved for coast live oak habitat and as an area for potential cultural reburial sites, should cultural materials be unearthed during construction, as required by PCOA-CUL-10.With implementation of General Plan EIR MMRP MM CR-1 through MM CR-3, and PCOA-CUL-1 through PCOA-CUL-10, there are no peculiar effects with respect to archaeological resources not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs and no new mitigation is required.

Project Conditions of Approval

Although the following PCOAs pertaining to controlled grading around the on-site bedrock milling feature and construction monitoring were not included in the General Plan EIR MMRP, the General Plan EIRs acknowledge that future development projects would need to be evaluated for cultural resources and that further cultural resources analysis by a qualified professional(s) may be required. The City routinely requires further analysis of cultural resources for any new development within the City. As such, the following PCOAs comprise conditions of approval that are routinely applied by the City to new development projects to ensure compliance General Plan EIR Mitigation Measures CR-1 and CR-2.

PCOA-CUL-1 During grading activities surrounding the prehistoric cultural resource 10041.1 NDY 01, controlled grading shall be required. Controlled grading shall be directed by an archeological monitor in concert with a Native American monitor.

PCOA-CUL-2 Prior to the issuance of a grading permit, the Applicant shall provide written verification that a certified archaeologist and Native American monitor have been retained to monitor all ground disturbance activities in the western half and the ungraded southeast corner of the Project site. This verification shall be presented in a letter from the Project Archaeologist.

PCOA-CUL-3 If cultural resources are encountered during ground-disturbing activities, work in the immediate area must halt and an archaeologist meeting the Secretary of the Interior's Historic Preservation Professional Qualification Standards for archaeology (National Park Service 1997) must be contacted immediately to evaluate the find. If the discovery proves

to be significant under CEQA or Section 106, additional work such as data recovery excavation may be warranted.

PCOA-CUL-4 If human remains are found during ground-disturbing activities, the State of California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the county coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. In the event of an unanticipated discovery of human remains, the county coroner must be notified immediately. If the human remains are determined to be prehistoric, the coroner will notify the Native American Heritage Commission, which will determine and notify a Most Likely Descendant. The Most Likely Descendant shall complete the inspection of the site within 48 hours of notification and may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials.

PCOA-CUL-5 If earthwork and ground-disturbing activities, unique cultural resources, as that term is defined in PRC para. 21083,2(g), or an historic resource, as that term is defined in PRC para. 21084.1, are discovered and the resources were not assessed or addressed by the prior archaeological investigations or environmental assessment conducted prior to project approval, the following procedures shall be implemented:

a. All earthwork and ground-disturbing activities within 100 feet ("buffer area") of the discovery will be halted while the Project Archaeologist makes an initial assessment of the significance of the discovery.

b. Once the Project Archaeologist makes the initial assessment, the City Planner will convene a meeting with the Project Applicant, Project Archaeologist, and tribe(s) to discuss the significance of the discovery and what mitigation measures are feasible in accordance with examples in PRC para. 21083.2(b). If the parties cannot reach agreement on a feasible mitigation measure, the City Planner with the assistance of a third-party archaeologist will make a final determination on the appropriate mitigation and treatment of the resources; if there are disagreements with the determination, a Project Issue Resolution (PIR) meeting will be facilitated.

c. Earthwork and ground-disturbing will not resume within the buffer area of the discovery until an agreement has been reached by all parties as to the appropriate mitigation and treatment of the resources. Earthwork and ground disturbing activities will be allowed to continue outside of the buffer area and will be monitored by archaeological and tribal monitors.

d. Treatment and avoidance of any newly discovered resources will be consistent with these mitigation measures and the Cultural Resources Monitoring Plan as required by MM CUL-1.

PCOA-CUL-6 At least thirty (30) days prior to submittal of the final grading plans to the City, the Project Applicant, Project Archaeologist, City planner and tribe(s) will meet and develop a Cultural Resources Monitoring Plan ("CRMP) for the treatment and mitigation of Native American cultural resources discovered during Project development. Treatment of the newly discovered resource(s) will be consistent with the terms and provisions of the CRMP and may be amended by the parties as agreed upon. Prior to its finalization, the Project Archaeologist will circulate the draft CRMP to the City Planner and any tribe(s) requesting monitoring of the Project for review and comment. The final document will include information provided by the tribe(s) concerning tribal methods and practices and other appropriate issues that may be relevant to culturally appropriate treatment of the resources. The involved parties will make good-faith efforts to incorporate the Tribe's comments. The City Planner will have final review and approval authority for the CRMP. If there are disagreements with the approval, a Project Issue Resolution (PIR) meeting will be facilitated. All parties are required to withhold public disclosure of information related to the treatment and mitigation of cultural resource(s) pursuant to the specific exemption set forth in CGC para. 6254(r).

PCOA-CUL-7 Should any subsurface cultural resources be encountered during construction of these facilities, earthmoving, or grading activities in the immediate area of the finds shall be halted and an onsite inspection shall be performed immediately by a qualified archaeologist. Responsibility for making this determination shall be with the City's onsite inspector. The archaeological professional shall assess the find, determine its significance, and make recommendations for appropriate mitigation measures within the guidelines of the California Environmental Quality Act. Measures in accordance with SC CUL-3 and SC CUL-4 shall be followed if the accidentally exposed cultural material is also a Tribal Cultural Resource.

PCOA-CUL-8 On- -Site Preservation/Reburial Location for Sensitive Native American Resources. All Native American sensitive resources including, without limitation, ceremonial items, sacred items, and grave goods as those same are identified by the tribe(s) during Project earthwork and ground-disturbing activities, will be reburied on the Project property. At least thirty (30) days prior to submittal of final grading plans to the City, the Project Applicant, Project Archaeologist, City Planner, and the tribe(s) will meet to identify the location(s) for on-site reburial (the "Preservation Site(s)"). During the meeting, the group will develop a confidential exhibit depicting and describing the Preservation Site(s), which exhibit will be kept by the City Planner under confidential cover <u>and not subject to a Public Records Act request</u>.

The Preservation Site(s) will be located within the Project site development envelope of the Project, outside of any known and identified cultural resource sites. Prior to the issuance of the first building permit for the applicable tract or phase that includes a Preservation Site location, the Project Applicant will record a restrictive covenant over the Preservation Site with the intent to ensure the site remains in an undisturbed state in perpetuity.

Any Preservation Site that includes relocated/ reburied Native American cultural resources will be capped by first placing a layer of geomat fabric over the reburied resources, and then filling the site with clean, sterile soil and contouring the site to appear in a natural state. Once a Preservation Site has been filled and contoured, no earthwork or ground-disturbing activities or subsurface facilities will be permitted in the Preservation Site, with the exception of those activities and requirements that may be required pursuant to the Fire Protection Technical Report.

PCOA-CUL-9 The project shall comply with all requirements for the avoidance and treatment of Tribal Cultural Resources and incorporate the utilization of controlled grading techniques and relocation of resources as provided under Confidential Exhibits, Figure 1 "Relocation Area", and Figure 2 "Control Grading Area." The relocation (if feasible) and/or replanting of elderberry shrub(s) shall be implemented at an agreeable onsite location(s) consistent with the Planning Division with the future submittal of the project's landscaping plans.

PCOA-CUL-10 Prior to vegetation clearance and issuance of grading permits, the Project Applicant shall provide evidence that on-site preservation of 0.62-acre of coast live oak habitat and area for potential cultural reburial sites, should cultural materials be unearthed during construction, has occurred.

c. Would the project disturb any human remains, including those interred outside of formal cemeteries?

Project Impact Adequately Addressed in Previous Documentation. No human remains or cemeteries are known to exist within or near the Project site. However, as a result of AB 52 consultations, three potential cultural reburial sites, in the event cultural resources are discovered during construction, were identified along the northern boundary of the Project site by the Pechanga Band of Luiseño Indians. Additionally, there is a possibility that subsurface construction activities associated with the Project, such as trenching and grading, could damage or destroy previously undiscovered human remains. If human remains were found, those remains would require proper treatment, in accordance with applicable laws (refer to General Plan EIR MMRP MM CR-3). Following compliance with State regulations, which detail the appropriate actions necessary in the event human remains are encountered (refer to General Plan EIR MMRP MM CR-3), potential impacts would be less than significant. Therefore, there are no peculiar effects with respect to disturbance of human remains not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs and no new mitigation is required.

2.6 Energy

2.6.1 Summary of Previous Environmental Analysis

Although Energy was added in December 2018 as a topic in the Appendix G of the CEQA Guidelines, analysis of a project's potential to result in a significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources is not a new requirement. This issue is addressed in Appendix F of the CEQA Guidelines. Energy consumption is addressed in Section 5.22, Electricity and

Natural Gas, and Section 7.4, Other California Environmental Quality Act Considerations, of the 2011 EIR. Section 5.6, Greenhouse Gas Emission, of the 2011 EIR discusses the City's Climate Action Plan (CAP), which is also relevant to energy conservation.

The 2011 EIR determined that the implementation of the General Plan 2035 could facilitate development of various commercial, office and research park, business park, industrial, and civic/institutional uses; however, these uses would not result in any unusual characteristics that would necessitate the use of construction equipment that is less energy-efficient than at comparable construction sites. Additionally, fuel consumption associated with vehicle trips generated by future development within the City would not be considered inefficient, wasteful, or unnecessary in comparison to other cities in the region. The General Plan 2035 includes policies to prioritize energy conservation, green building, and the generation of energy from renewable sources, as part of an overall strategy to reduce GHG emissions. Additionally, the City's CAP includes GHG emission reduction strategies related to green building, energy efficiency, renewable energy options, and land use changes that reduce to dependence on motor vehicle travel (and associated transportation-related energy demand). The 2011 EIR concluded that the implementation of the General Plan 2035 and CAP would result in less than significant impacts related to energy. Cumulative impacts related to energy were determined to be less than significant. No mitigation measures were required.

The City determined in the 2020 SEIR that the General Plan Update would not result in new or substantially greater energy impacts than identified in the 2011 EIR and would result in a less than significant energy impact. No new mitigation measures relating to energy were identified in the 2020 SEIR.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.6.2 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:					
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☒	☐	☐	☐
b) Conflict with or obstruct a State or local plan for renewable energy or energy efficiency?	☐	☒	☐	☐	☐

Information provided in this section was obtained from the AQ & EA Assessment prepared by Urban Crossroads for the Project (Urban Crossroads, 2024a), which is included as *Technical Appendix B* to this document.

a. Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Project Impact Adequately Addressed in Previous Documentation.

Construction Impacts

The construction activities associated with the Project would consume energy through the operation of heavy off-road equipment, trucks, and worker traffic. Construction energy consumption would largely occur from fuel consumption by heavy equipment during grading activities associated with road and building site clearance, trucks transporting construction materials and fill to the site, and worker trips to and from the Project site. Energy consumption during construction related activities would vary depending on the level of activity, length of the construction period, specific construction operations, types of equipment and the number of personnel.

Based upon the length of construction period, construction equipment used by the Project would result in single event consumption of approximately 38,750 gallons of diesel fuel. Construction equipment use of fuel would not be atypical for the type of construction proposed because there are no aspects of the Project's proposed construction process that are unusual or energy-intensive, and Project construction equipment would conform to applicable regulatory requirements, including California Air Resources Board (CARB) emissions standards, acting to promote equipment fuel efficiencies.

Based upon the length of construction period, construction worker trips for full construction of the Project would result in the estimated fuel consumption of 29,779 gallons of fuel. Additionally, fuel consumption from construction vendor and hauling trips would total approximately 7,722 gallons. Diesel fuel would be supplied by regional commercial vendors. Indirectly, construction energy efficiencies and energy conservation would be achieved using bulk purchases, transport and use of construction materials.

Additionally, increasingly stringent State and federal regulations on engine efficiency combined with local, State and federal regulations limiting engine idling times and recycling of construction debris, would further reduce the amount of transportation fuel demand during Project construction. Considering these factors, the Project would not result in the wasteful and inefficient use of energy resources during construction and impacts would be less than significant.

Operational Impacts

Energy consumption in support of or related to operations associated with future residential development at the Project site would include transportation energy demands (energy consumed by passenger car and truck vehicles accessing the Project site) and facilities energy demands (energy consumed by building operations and site maintenance activities).

Transportation Energy Demands

The Project would result in 6,686,638 annual vehicle miles traveled (VMT) and an estimated annual fuel consumption of 284,258 gallons of fuel.

Enhanced fuel economies realized pursuant to federal and State regulatory actions, and related transition of vehicles to alternative energy sources (e.g., electricity, natural gas, biofuels, hydrogen cells) would likely decrease future gasoline fuel demands per VMT in the future. Location of the Project proximate to regional and local roadway systems tends to reduce VMT within the region, acting to reduce regional vehicle energy demands. The Project would implement sidewalks, facilitating and encouraging pedestrian and bicycle access. Facilitating pedestrian and bicycle access would reduce VMT and associated energy consumption. Furthermore, on-site EV parking would reduce associated energy consumption. Therefore, Project transportation energy consumption would not be considered inefficient, wasteful, or otherwise unnecessary.

Facilities Energy Demands

The Project proposes conventional residential uses reflecting contemporary energy efficient/energy conserving designs and operational programs. The Project does not propose uses that are inherently energy intensive and the energy demands in total would be comparable to other residential land use projects of similar scale and configuration. The Project would be required to comply with the applicable Title 24 standards which will ensure that the Project energy demands would not be inefficient, wasteful, or otherwise unnecessary. Furthermore, the Project would be required to comply with the CALGreen Building Standards Code to provide solar ready roofs on the Project's residential structures. The Project would not cause or result in the need for additional energy producing or transmission facilities. The Project would not engage in wasteful or inefficient uses of energy and aims to achieve energy conservations goals within the State of California. The Project operational energy demands are estimated to result in a 4,950,657 kBTU/year of natural gas; and 1,952,724 kWh/year of electricity. Natural gas would be supplied to the Project by Southern California Gas; electricity would be supplied by Southern California Edison.

Conclusion

As supported by the preceding analyses, Project construction and operation would not result in the inefficient, wasteful, or unnecessary consumption of energy. The Project would therefore not cause or result in the need for additional energy producing or transmission facilities. The Project would not engage in wasteful or inefficient uses of energy and aims to achieve energy conservations goals within the State of California. Therefore, there are no peculiar effects with respect to energy resources not addressed in the general Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs and no new mitigation is required.

b. Would the project conflict with or obstruct a State or local plan for renewable energy or energy efficiency?

Project Impact Adequately Addressed in Previous Documentation. The Project would not conflict with any applicable state or local plans. The Project proposes conventional residential uses reflecting contemporary energy efficient/energy conserving designs and operational programs. The Project's proposed structures would utilize energy for uses typical of a residential development, including heating, cooling, and ventilation of buildings; water heating; operation of electrical systems; lighting; and on-site equipment and appliances. The Project does not propose uses that are inherently energy intensive and the energy demands in total would be comparable to other residential land use projects of similar scale and configuration. The Project would comply with the applicable Title 24 standards which will ensure that the Project energy demands would not be inefficient, wasteful, or otherwise unnecessary. The existing buildings on-site use electricity for uses including heating, cooling, and ventilation of buildings; water heating; operation of electrical systems; lighting; and on-site equipment and appliances. The Project would comply with the most current Building Energy Efficiency Standards, including the California Code of Regulations (CCR) Title 24, Part 11: California Green Building Standards, including the requirement for solar ready roofs. Thus, the Project would not result in wasteful, inefficient, or unnecessary consumption of energy resources and would not conflict with or obstruct a State or local plan for energy efficiency. Therefore, there are no peculiar effects with respect to energy resources not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs and no new mitigation is required.

2.7 Geology and Soils

2.7.1 Summary of Previous Environmental Analysis

The analysis of impacts related to geology and soil were addressed in Section 5.8, Geology and Seismic Hazards, of the 2011 EIR.

The 2011 EIR determined that several surficial deposits and/or bedrock units are located beneath the City. Hazards related to seismic activity were identified based on the City's proximity to known active fault zones, specifically the Elsinore Fault Zone, San Jacinto Fault Zone, Newport-Inglewood Fault Zone, and the San Andreas Fault Zone. The 2011 EIR determined that future development pursuant to the General Plan 2035 had the potential to result in significant impacts related to seismic, geologic, and soil conditions due to increased exposure of people and structures to potential seismic and geologic hazards. Future development would be subject to compliance with the California Building Standards Code (CBSC), Murrieta Municipal Code (MMC), and NPDES requirements as well as the applicable policies identified in the General Plan Update and the implementation of General Plan EIR MMRP mitigation measures MM GEO-1 and MM GEO-2.

Additionally, potential impacts associated with future development would be evaluated on a project-by-project basis in accordance with General Plan EIR MMRP mitigation measure MM GEO-1. In the event a specific site is determined to create a significant impact that could not be feasibly mitigated, the site would not be appropriate for development. This process in conjunction with federal and State laws, local building

codes, public safety standards and the implementation of General Plan EIR MMRP mitigation measures MM GEO-1 and MM GEO-2 would result in less than significant impacts related geology and soils.

The 2011 EIR determined that construction activities associated with future development projects within the City have the potential to result in soil erosion. However, each development project would be required to comply with requirements of the Municipal NPDES Construction General Permit and would be required to comply with City grading permit regulations that include compliance with erosion control measures, including grading and dust control measures. Additionally, future development projects would be required to implement erosion control plans and Storm Water Pollution and Prevention Plans (SWPPP). Furthermore, construction activities would be required to comply with SCAQMD Rule 403 regarding fugitive dust. Compliance with applicable polices, goals, and regulations related to sedimentation and erosion would ensure that impacts related to soil during development project construction phases would be less than significant.

Paleontological resources impacts were addressed in Section 5.9, Cultural Resources, of the 2011 EIR. The 2011 EIR determined that the City has a high potential for containing significant, nonrenewable paleontological resources. As such, future development associated with the implementation of the General Plan 2035 could result in impacts to undiscovered paleontological resources through remediation, demolition, or construction activities. Future improvements and development within the City will be subject to compliance with applicable Conservation Element policies and implementation of General Plan EIR MMRP mitigation measure MM CR-1 and CR-2 (included in Section 2.5, Cultural Resources), to ensure impacts on paleontological resources are reduced to less than significant levels.

Cumulative impacts related to geology and soils and paleontological resources were determined to be less than significant with the implementation of identified mitigation measures.

The City determined in the 2020 SEIR that no further evaluation of environmental impacts related to geology and soils, including impacts to paleontological resources, was required in connection with adoption of the General Plan Update and that the level of impact (less than significant) remained unchanged from that cited in the 2011 EIR. No new mitigation measures relating to geology and soils were identified in the 2020 SEIR.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.7.2 Applicable General Plan EIR Mitigation Measures Incorporated to the Project

The onsite soils have a low paleontological sensitivity and the bedrock underlying the Project site does not yield paleontological resources (refer to Threshold “f” below); therefore, General Plan EIR MMRP mitigation measures MM CR-1 and MM CR-2 are not applicable under this environmental topic. The following applicable mitigation measures from the General Plan EIR MMRP are incorporated into the Project and will be included in the MMRP for the Project.

GEO-1 Prior to issuance of a Grading Permit for each future development project, a registered geologist or soils engineer shall prepare an area-specific Geologic Study, which shall be submitted to the Public Works or Building and Safety Department for approval. The

Geologic Study shall specify the measures necessary to mitigate impacts related to fault rupture, groundshaking, landslides, liquefaction or dynamic settling, expansive or collapsible soils, lateral spreading, and other geologic and seismic hazards, if any. All recommendations in the Geologic Study shall be implemented during area preparation, grading, and construction.

GEO-2 Prior to issuance of any Grading Permit, project applicants of future development projects shall comply with each of the recommendations detailed in the Geotechnical Study, and other such measure(s) as the City deems necessary to adequately mitigate potential seismic and geotechnical hazards.

2.7.3 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:					
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:					
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☒	☐	☐	☐
ii) Strong seismic ground shaking?	☐	☒	☐	☐	☐
iii) Seismic-related ground failure, including liquefaction?	☐	☒	☐	☐	☐
iv) Landslides?	☐	☒	☐	☐	☐
b) Result in substantial soil erosion or the loss of topsoil?	☐	☒	☐	☐	☐

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project and potentially result in on- or offsite landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☒	☐	☐	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☒	☐	☐	☐
e) Have soils incapable of adequately supporting the use septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☒	☐	☐	☐
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☒	☐	☐	☐

Information provided in this section was obtained in part from the *Geotechnical Evaluation* (Geotechnical Investigation) prepared by Leighton and Associates, Inc (Leighton), (*Technical Appendix E*) and the *Cultural Resources Survey Report* prepared by RECON, *(Technical Appendix D)*.

a. Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

- ***i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault?***
- ***ii) Strong seismic ground shaking?***
- ***iii) Seismic-related ground failure, including liquefaction?***
- ***iv) Landslides?***

a.i) No Impact. As noted in the 2011 EIR, the City is in proximity to known fault zones (i.e., Elsinore Fault Zone, San Jacinto Fault Zone, Newport-Inglewood Fault Zone, and the San Andreas Fault Zone). According to the Project's Geotechnical Evaluation, the Project site is not included within an Earthquake Fault Zone as created by the Alquist-Priolo Act or Riverside County Fault Hazard Zones. The nearest recognized active faults, are the Temecula Segment of the Elsinore Fault Zone, measured to be 3.6 miles (5.8 km) generally southwest of the site and the San Jacinto Valley Segment of the San Jacinto Fault Zone, approximately 16.0 miles (25.8km) northeast of the site. Therefore, no impact would result.

a.ii) Project Impact Adequately Addressed in Previous Documentation. As with all Projects in southern California, the Project site has the potential to experience seismic ground shaking during an earthquake event. The intensity of ground shaking would vary with the distance and magnitude of the earthquake causing the ground shaking. As required by General Plan EIR MMRP MM GEO-1, the proposed grading activities associated with the Project would be conducted in accordance with the recommendations from the Geotechnical Evaluation included in *Technical Appendix E* of this document, including recommendations related to: existing fill, general earthwork and grading, removals and overexcavation, earthwork shrinkage and subsidence, earthwork recommendations, excavation characteristics and rock disposal, seismic design parameters, subdrains, fill and cut slopes, temporary slopes and excavations, import soils, corrosion potential, utility trench backfill, geotechnical observation and testing during rough grading, and post-grading geotechnical observation and testing (including during fine or precise grading). Additionally, in compliance with General Plan EIR MMRP mitigation measures MM GEO-1 and MM GEO-2, geologic studies shall be prepared for development onsite, which would also be designed in accordance with the recommendations identified in the geologic studies, and applicable local and state building codes in effect at the time building permits are issued. Adherence to the recommendations from the Geotechnical Evaluation and building code requirements would minimize the risk of loss, injury, or death involving seismic shaking, and impacts would be less than significant. Therefore, consistent with the conclusions of the General Plan EIRs, with implementation of MM GEO-1 and GEO-2, there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

a.iii) Project Impact Adequately Addressed in Previous Documentation. Ground shaking can induce "secondary" seismic hazards such as liquefaction, dynamic densification in loose and/or wet granular soil, and differential subsidence along ground fissures, seiches and tsunamis. The potential for differential subsidence along ground fissures, seiches and tsunamis is also considered non-existent on this site. Based on the soil types and groundwater depth on-site, liquefaction potential is considered to be low. Assuming that loose, near-surface soils would be removed and recompacted in accordance with the recommendations of the Geotechnical Evaluation in the areas of development, the potential for liquefaction or dynamic settlement due to the design earthquake event to affect structures at this site is considered negligible. Impacts would be less than significant. Therefore, there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

a.iv) No Impact. The Project site is relatively flat and there are no records of landslides occurring within or in the vicinity of the Project site (USGS, n.d.). Therefore, landslides at the Project site is unlikely to occur. No impact would occur.

b. Would the project result in substantial soil erosion or the loss of topsoil?

Project Impact Adequately Addressed in Previous Documentation. The proposed construction activities associated with the Project would include demolition, site preparation, grading, building construction, architectural coating, and paving. As with all development implementing the General Plan, the Project would be subject to local and State codes and erosion control and grading requirements. Construction activities would disturb one or more acres; thus, as further discussed in Section 2.10, Hydrology and Water Quality, the Project must adhere to the NPDES Construction General Permit provisions. Construction activities subject to this permit include clearing, grading, and other soil disturbances. The NPDES Construction General Permit requires implementation of a SWPPP, including temporary Project construction features (i.e., Best Management Practices [BMPs]) designed to prevent erosion and protect the quality of stormwater runoff. Sediment-control BMPs may include stabilized construction entrances, straw wattles on earthen embankments, sediment filters on existing inlets, of the equivalent. Additionally, grading activities would be required to conform to the most current version of the California Building Code, the City Code, the approved grading plans, and standard engineering good practices. The Project would be required to comply with SCAQMD Rule 402 (Nuisance) and Rule 403, which would reduce construction erosion impacts. Rule 402 requires dust suppression techniques to be implemented to prevent dust and soil erosion from creating a nuisance offsite. Rule 403 requires control measures to reduce fugitive dust from active operations, storage piles, or disturbed surfaces, with a goal to omit visibility beyond the property line or avoid exceedance of 20% opacity. Compliance with applicable federal, regional, and local requirements would ensure potential erosion impacts are less than significant during grading.

Upon completion of construction activities, ground surfaces associated with the proposed development onsite would be stabilized by structures, paving, and landscaping. The Project-specific WQMP, prepared by Wilson Mikami Corporation (Wilson) (included in *Technical Appendix H1* of this Initial Study) identifies an effective combination of erosion control and sediment control measures (i.e., BMPs) to reduce or eliminate sediment discharge to surface water from stormwater and non-stormwater discharges. Compliance with the Project-specific WQMP would be required as a condition of Project approval and long-term maintenance of on-site water quality features is required. Therefore, the Project would not result in substantial erosion or loss of topsoil during long-term operation. Therefore, there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been “adequately addressed” in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project’s effects will be more significant than described in the General Plan EIRs.

c. Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project and potentially result in on-or offsite landslide, lateral spreading, subsidence, liquefaction, or collapse?

Project Impact Adequately Addressed in Previous Documentation. As previously discussed, the Project site is relatively flat and there is no evidence of landslides occurring within or in proximity to the Project site. There is no potential for the Project to result in on- or off-side landslides.

Earth materials within the Project site include: undocumented fill, topsoil/colluvial, surficial materials (topsoil/residual soils/alluvial deposits), and cretaceous-age granitic rock (Kgr).

Subsidence is the gradual or sudden sinking of ground due to removal or displacement of subsurface earth materials. According to Figure 5.8-2, *Subsidence Susceptibility Map*, of the 2011 City of Murrieta General Plan EIR, the Project site is not within an area that is susceptible to or has active subsidence. Furthermore, based on the soil types and groundwater depth on-site, liquefaction potential is considered to be low. The Geotechnical Evaluation concluded that the potential for differential subsidence along ground fissures, seiches and tsunamis is considered non-existent on this site.

Therefore, consistent with the conclusions of the General Plan EIRs, with implementation of MM GEO-2,, the Project would be designed and constructed in accordance with the Geotechnical Evaluation recommendations related to: existing fill, general earthwork and grading, removals and overexcavation, earthwork shrinkage and subsidence, earthwork recommendations, excavation characteristics and rock disposal, seismic design parameters, subdrains, fill and cut slopes, temporary slopes and excavations, import soils, corrosion potential, utility trench backfill, geotechnical observation and testing during rough grading, and post-grading geotechnical observation and testing (including during fine or precise grading). Thus, impacts related to location on an unstable geologic unit or soil would be less than significant. Therefore, there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been “adequately addressed” in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project’s effects will be more significant than described in the General Plan EIRs and no new mitigation is required.

d. Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Project Impact Adequately Addressed in Previous Documentation. Native deposits of topsoil/residual soils and alluvial deposits are anticipated at the ground surface and localized topographic depressions/drainages and may extend to a depth of 5 feet below ground surface. The materials generally consist of relatively loose silty to clayey sands and sandy clay with variable amounts of gravel and cobbles (and potential boulders). Based on laboratory testing conducted for the Geotechnical Evaluation, these materials possess very low to low expansion potential. As discussed previously, the Project would be designed and constructed in accordance with the recommendations of the site-specific Geotechnical Evaluation, including the recommendations in the event expansion is observed in subgrade soils. In addition, compliance with the California Building Code and local regulations would further reduce the possibility of risk associated with expansive soil. Accordingly, impacts would be less than significant and there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects

of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

e. Would the project have soils incapable of adequately supporting the use septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

No Impact. The Project site is within an area that is served by Eastern Municipal Water District (EMWD) for wastewater services. The Project would connect to the existing sewer system and would not involve the use of septic tanks or alternative wastewater disposal systems. No impact would occur.

f. Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Project Impact Adequately Addressed in Previous Documentation. . A paleontological record search from a nearby project that included the APE did not identify any known paleontological localities. The APE is underlain by gabbro and monzogranite, both dating to the Cretaceous period. Per the paleontological record search study, these geological units have a low paleontological sensitivity because of the high heat involved in the formation of these units. According to the County of Riverside paleontological sensitivity map, the APE lies within a low paleontological sensitivity area. Therefore, it is highly unlikely that paleontological resources be discovered during the Project's construction phase (Recon, 2024). Accordingly, impacts would be less than significant. Therefore, there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

2.8 Greenhouse Gas Emissions

2.8.1 Summary of Previous Environmental Analysis

The analysis of impacts related to greenhouse gas (GHG) emissions for the General Plan 2035 is provided in Section 5.6, Greenhouse Gases of the 2011 EIR. The 2011 EIR determined that development proposed under the General Plan 2035 would implement GHG reduction strategies and measures in the CAP that would allow the General Plan 2035 to achieve its GHG reduction target of 15 percent below 2009 by 2020; impacts related to GHG emissions and consistency with applicable GHG plans, policies, or regulations were determined to be less than significant. The 2011 EIR concluded that GHG emission associated with the implementation of the General Plan 2035 would be less than significant with the adherence to and/or compliance with CAP strategies, goals, and measures; no significant and unavoidable or cumulatively considerable impacts would result from the General Plan 2035.

The 2020 SEIR provided an analysis of greenhouse gas impacts for the General Plan Update in Section 4.4, Greenhouse Gas Emissions. The 2020 SEIR determined that the emissions generated by the development proposed under the General Plan Update are inconsistent with Statewide GHG emission goals and CARB's 2017 Scoping Plan, which is a potentially significant impact. The 2020 SEIR concluded that with the

implementation of General Plan EIR MMRP mitigation measure MM GHG-1, which would ensure the approved Draft Climate Action Plan (CAP) Update provides measures to meet Statewide climate goals, emissions generated by the proposed development under the General Plan Update would be reduced to less than significant levels; impacts would be less than significant.

The issue of global climate change is inherently a cumulative issue; thus, impacts are addressed only as a cumulative impact. Cumulative impacts related to GHG emissions were determined to be less than significant with the implementation of General Plan EIR MMRP mitigation measure MM GHG-1.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document. Under CEQA Guidelines Section 15183(g), compliance with the CAP is included as a specific example of a uniformly applied development policy or standard under PRC Section 21083.3.

2.8.2 Applicable General Plan EIR Mitigation Measures Incorporated to the Project

General Plan EIR MMRP mitigation measure MM GHG-1 requires the City to prepare a CAP and is not applicable to the Project; however, the Project's consistency with the CAP is discussed under Threshold b, below.

2.8.3 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:					
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☒	☐	☐	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☒	☐	☐	☐

Information provided in this section was obtained from the *Greenhouse Gas (CAP Consistency Checklist) Assessment* prepared by Urban Crossroads for the Project (Urban Crossroads, 2023c), which is included as *Technical Appendix F* of this document.

a. Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

b. Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Project Impact Adequately Addressed in Previous Documentation. For a project located within a jurisdiction that has adopted a qualified GHG reduction plan (as defined by CEQA Guidelines Section 15183.5), GHG emissions would be less than significant if the project is anticipated by the plan and fully consistent with the plan. As discussed below, the City has adopted a Climate Action Plan Update (CAP Update), which is a "qualified plan for the reduction of greenhouse gases" under CEQA Guidelines Section 15183.5, thereby affording streamlined environmental review benefits to future development projects. Therefore, evaluation of the Project's consistency with the CAP is the method used to determine the significance of the Project's GHG impacts.

The City's CAP recommends GHG emissions targets that are consistent with the reduction targets of the State of California and presents a number of strategies that will make it possible for the City of Murrieta to meet the recommended targets. As part of the CAP development the City of Murrieta developed a project level checklist for CEQA purposes. The City prepared a CAP Update in 2020 which provides a framework for reducing GHG emissions and managing resources to best prepared for a changing climate. Based on the requirements of the CAP Update all "applicable" Checklist questions must be answered "Yes" and documentation provided, where necessary, that substantiates how compliance would be achieved as requested by the City of Murrieta. For measures for which a "Yes" is indicated, the features must be demonstrated as part of the project's design and described. All applicable requirements in the Checklist will be included in the conditions of approval. Further, if any questions are marked with a "No" the project cannot be determined to be consistent with the CAP Update, and project specific GHG analysis would be required as part of the CEQA process. If any questions are marked "N/A" (meaning "not applicable"), a statement describing why the question is not applicable shall be provided to the satisfaction of the Planning Division or building official, as requested. The CAP Update also suggests best practices for implementation and makes recommendations for measuring progress. As indicated in Table 1, the Project would be consistent with, or otherwise would not conflict with, the CAP Update.

The CAP Update checklist has been completed for the Project and is included in Table 2-10*,* City of Murrieta CAP Update Consistency Summary. As indicated in Table 2-10, the proposed residential uses would comply with applicable CAP Update checklist items; therefore, the Project is consistent with the CAP Update . Projects compliant with the City's CAP are determined to have less than significant impacts with respect to GHG emissions. Therefore, there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

Table 2-10 City of Murrieta CAP Update Consistency Summary

Checklist Items	Yes	No	n/a
Step 1: Land Use Consistency			
1. Are the proposed land uses in the project consistent with the existing General Plan land use and zoning designations?	X		
If "Yes", questions 2 below is not applicable and the project shall proceed to Step 2 of the checklist. If "No", proceed to Question 2 below.			
2. If the proposed project is not consistent with the General Plan land use or zoning designations, does the project include a land use plan and/or zoning designation amendment that would result in an equivalent or less GHG- intensive project when compared to the existing designations?			X
If "Yes", attach to this checklist the estimated project emissions under both existing and proposed designation(s) for comparison. Compare the maximum buildout of the existing designation and the maximum buildout of the proposed designation. If the proposed project is determined to result in an equivalent or less GHG-intensive project when compared to the existing designations, proceed to Step 2 of the checklist.			
If "No", the applicant must conduct a full GHG impact analysis for the project as part of the CEQA process. The project shall incorporate each of the applicable measures identified in Step 2 to mitigate cumulative GHG emissions impacts.			
Step 2: CAP Strategies Consistency			
1. Zero Net Energy Standards (Measure BE-3)			
a) For residential projects, would the project or a portion of the project be subject to building permitting (i.e., building permits issued) on or after January 1, 2023?	X		
b) For commercial projects or commercial portions of mixed-use projects, would the project or a portion of the project be subject to building permitting (i.e., building permits issued) on or after January 1, 2025?			X
c) For industrial projects, would the project or a portion of the project be subject to building permitting (i.e., building permits issued) on or after January 1, 2025?			X
If "Yes" to either a, b, or c, proceed to question d of this checklist requirement.			
d) Would the project or portions of the project permitted after January 1, 2023 for residential projects and after January 1, 2025 for nonresidential projects be designed and constructed to comply with the Zero Net Energy standard2?	X		
2. Construction Waste Diversion (Measure SW-2)			
a) For residential projects, recycle and/or salvage for reuse a minimum of 80 percent of the nonhazardous construction and demolition waste in accordance with either Section 4.408.2, 4.408.3 or 4.408.4 of the California Code of Regulations, Title 24?	X		
b) For nonresidential projects, recycle and/or salvage for reuse a minimum of 80 percent of the nonhazardous construction and demolition waste in accordance with either Section 5.408.1.1, 5.408.1.2 or 5.408.1.3 of the California Code of Regulations, Title 24?			X
3. Transportation Demand Management Program (Measure T-7)			
a) For the construction of nonresidential projects that would include 50 or more employees, would the project include a transportation demand management plan that meets requirements of Section 16.40 "Transportation Demand Management" of the City's Municipal Code and has been reviewed and approved by the City of Murrieta Public Works Department?			X
Check "N/A" if the project is a residential project or if it would include 49 or fewer employees.			
4. Electric Vehicle Service Equipment (EVSE) (Measure T-2)3			
Checklist Requirement by Project Type:			
a) <u>One- and two-family dwellings and townhouses with attached private garages</u>: Would the required parking serving each new dwelling include Electric Vehicle Service Equipment (EVSE) to allow for electric vehicle charging by the resident(s)?	X		
b) <u>Multi-Family Residential Projects</u>: Would 6% of the total parking spaces required, or a minimum of two spaces, whichever is greater, include Electric Vehicle Service Equipment (EVSE) to allow for electric vehicle charging by the resident(s)?	X		
c) <u>Non-residential projects</u>: Would 3% of the total parking spaces required, or a minimum of two spaces, whichever is greater, include Electric Vehicle Service Equipment (EVSE) to allow for electric vehicle charging by the occupant(s)?			X
5. Tree Planting (Measure LU-2)			
a) For residential and non-residential projects, would the project include the planting of new trees where required by Section 16.26 "Landscaping Standards and Water Efficient Landscaping" of the City's Municipal Code?	X		

Source: (Urban Crossroads, 2024b)

2.9 Hazards and Hazardous Materials

2.9.1 Summary of Previous Environmental Analysis

The analysis of hazards and hazardous materials impacts for the General Plan 2035 is provided in Section 5.14, Hazards and Hazardous Materials, of the 2011 EIR and the analysis of wildland fire impacts for the General Plan 2035 is provided in Section 5.17, Fire Protection, to the 2011 EIR. The 2020 SEIR provided analysis of wildfire impacts for the General Plan Update in Section 4.5, Wildfire. Potential impacts related to wildfire are discussed in Section 2.20 of this document.

The 2011 EIR determined that future development pursuant to the General Plan 2035 could result in potentially significant impacts related to hazardous materials due to an increase in population, which may increase demand on public health and safety services in the City. Additionally, non-residential development pursuant to the General Plan 2035 may consist of additional facilities that use, store, produce, or transport hazardous wastes; therefore, utilizing the City and County health and safety services and increase exposure to residents or employees. Nonetheless the 2011 SEIR determined that compliance with measures established by federal, State, and local regulatory agencies is adequate to offset the negative effects related to the use, storage, and transport of hazardous materials in the City. Additionally, future development would be subject to a requirement to be in substantial conformance with applicable goals and policies identified in the Safety and Land Use Elements, as well as the recommended mitigation measures (General Plan EIR MMRP mitigation measures MM HHM-1 through MM HHM-3) to further reduce hazardous materials impacts to less than significant levels.

The 2011 EIR determined that structures and individuals within the flight pattern of the French Valley Airport could be subjected to the potential of off-airport accidents and additional noise. The land use restrictions for each compatibility zone provide the necessary limitations to reduce the potential impacts of off-airport accidents to persons and property on the ground while building heights are implemented to reduce impacts of aircraft overflight (General Plan EIR MMRP mitigation measure MM HHM-4) to a less than significant level.

The 2011 EIR and 2020 SEIR identified two areas of the City within high fire hazard zones: generally, the northwestern portion of the City, and the escarpments along the western boundary of the City. The 2011 EIR identified that no new development or intensification of development is proposed for the areas identified as high fire hazard; no new homes or businesses would be susceptible to wildland fire hazards. Additionally, development in proximity to wildlands would be required, as part of a project's conditions of approval, to install Class A roofing, noncombustible siding, and/or 100-foot fuel buffer zones to protect communities from wildland/urban interface fires. According to the Safety Element, WUI are areas where structures and other human development meet or intermingle with wildland or vegetative fuels. The Safety Element includes policies to address wildland fires (City of Murrieta, 2011). Moreover, future development projects would be required to implement General Plan EIR MMRP mitigation measures MM FP-1 through FP-4 included in Initial Study Section 2.15, Public Services, which among other things require the preparation of fuel modification plans and sufficient water supply during construction, to reduce wildland fire impacts to a less than significant level.

Cumulative impacts related to hazards and hazardous materials were determined to be less than significant with the implementation of General Plan EIR MMRP mitigation measures MM HHM-1 through MM HHM-4.

The 2020 SEIR concluded that the General Plan Update would not result in new or substantially greater hazards and hazardous materials impacts than identified in the 2011 EIR and that the level of impact (less than significant) remained unchanged from that cited in the 2011 EIR. No new mitigation measures relating to hazards or hazardous materials were identified.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.9.2 Applicable General Plan EIR Mitigation Measures Incorporated to the Project

General Plan EIR MMRP mitigation measure MM HHM-4 is not applicable to the Project because the Project site is not within a French Valley Airport compatibility zone. The following applicable mitigation measures from the General Plan EIR MMRP are incorporated into the Project and will be included in the MMRP for the Project. Additionally, General Plan EIR MMRP mitigation measures MMs FP-1 through FP-4 included in Section 2.15, Public Services, of this document, would also apply.

HHM-1 The Community Development Department, in cooperation with the Murrieta Fire Department and the Riverside County Community Health Agency, Materials Management Division, shall provide information to businesses on viable alternatives to hazardous materials. Create an informational pamphlet with existing hazardous material substitutions and retailers that sell the materials. Offer the information to applicable business owners who are required to file as a hazardous waste handler in the City.

HHM-2 The Community Development Department, in cooperation with the Murrieta Fire Department and the Riverside County Community Health Agency, Materials Management Division, shall provide information on viable alternatives to household hazardous materials on the City's website so households may use alternatives. Information will also educate the public to the health, safety, and environmental benefits of using non-hazardous substitutions.

HHM-3 Prior to development approval on a project-by-project basis, the project applicant shall confirm the presence or absence of hazardous materials pertaining to the release of hazardous materials into the soil, surface water, and/or groundwater. If necessary, development shall undergo site characterization and remediation on a project-by-project basis, per applicable Federal, State, and/or local standards and guidelines set by the applicable regulatory agency.

2.9.3 Project Environmental Review

Environmental Issue Areas Examined		Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:						
a)	***Create a significant hazard to the public or the environment through routine transport, use, or disposal of hazardous materials?***	☐	☒	☐	☐	☐
b)	***Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?***	☐	☒	☐	☐	☐
c)	***Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?***	☐	☒	☐	☐	☐
d)	***Be located on a site which is included on a list of hazardous materials sites which complied pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?***	☐	☒	☐	☐	☐

Environmental Issue Areas Examined		Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
e)	***For a project within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?***	☐	☒	☐	☐	☐
f)	***Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?***	☐	☒	☐	☐	☐
g)	***Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?***	☐	☒	☐	☐	☐

a. Would the project create a significant hazard to the public or the environment through routine transport, use, or disposal of hazardous materials?

b. Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Project Impact Adequately Addressed in Previous Documentation. The Project would involve construction activities and long-term operation of residential uses on the Project site. In the event any hazards or hazardous materials were to be present on the Project site or any hazardous materials were to be used or stored on the Project site during construction or long-term operation, the Project would have the potential to expose workers onsite, the public, and/or the environment to a substantial hazard.

Existing Conditions

A Phase I Environmental Site Assessment Report (Phase I ESA) was prepared for the Project site by Leighton and Associates, Inc. (Leighton) (Leighton, 2022), and is included as *Technical Appendix G* of this document. Leighton conducted a site visit on May 22, 2022, to examine the Project site for recognized

environmental conditions (REC)[3], controlled RECs (CRECs)[4], and historic RECs (HRECs)[5]. According to the Phase I ESA, Leighton did not identify any RECs, CRECs, or HRECs on the Project site during the site visit. (Leighton, 2022)

Construction Activities

According to the Phase I ESA, there is no evidence of RECs, CRECs, or HRECs in connection with the Project site. As such, the Project would not create a need to export or remediate any known onsite hazardous materials. Moreover, imported fill would be required to be clean certified, and would be sampled and reviewed by the geotechnical engineer prior to import to the site, as required by the recommendations included in the Geotechnical Evaluation related to: existing fill, general earthwork and grading, removals and over-excavation, earthwork shrinkage and subsidence, earthwork recommendations, excavation characteristics and rock disposal, seismic design parameters, subdrains, fill and cut slopes, temporary slopes and excavations, import soils, corrosion potential, utility trench backfill, geotechnical observation and testing during rough grading, and post-grading geotechnical observation and testing (including during fine or precise grading).

Heavy equipment (e.g., dozers, excavators, tractors, etc.) would be operated on the Project site during construction. This heavy equipment would likely be fueled and maintained by petroleum-based substances such as diesel fuel, gasoline, oil, and hydraulic fluid, which is considered hazardous if improperly stored or handled. In addition, materials such as paints, adhesives, solvents, and other substances typically used in building construction would be located on the Project site during construction. Improper use, storage, or transportation of hazardous materials can result in accidental releases or spills, potentially posing health risks to workers, the public, and the environment. This is a standard risk on all construction sites, however, construction contractors would be required to comply with all applicable federal, State, and local laws and regulations regarding the transport, use, and storage of hazardous construction-related materials, including but not limited requirements imposed by the EPA, California Department of Toxic Substances Control (DTSC), SCAQMD, San Diego Regional Water Quality Control Board (RWQCB), and/or RCDEH. Compliance with these regulatory requirements by construction contractors is mandatory; thus, impacts would be less than significant.

Operations

Operations would occur following the completion of construction and once and residents move in and occupy the proposed structures on a day-to-day basis. The Project would involve the use of household hazardous materials common to all residential development that are labeled hazardous (e.g., solvents and commercial cleansers; petroleum products; and pesticides, fertilizers, and other landscape maintenance

[3] RECs refer to the presence or likely presence of hazardous substances or petroleum in, on, or at a property.
[4] CRECs refer to a REC resulting from a past release of hazardous substances or petroleum products that were addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.
[5] HRECs refer to a past release of any hazardous substances or petroleum products that occurred in connection with the property and were addressed to the satisfaction of the applicable regulatory or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls.

materials). The Project would not utilize, store, or generate hazardous materials or waste in quantities that may pose a significant hazard to the public.

With mandatory regulatory compliance and implementation of General Plan EIR MMRP mitigation measures HHM-1 and HHM-2, the Project would not pose a significant hazard to the public or the environment through the routine transport, use, storage, emission, or disposal of hazardous materials, nor would the Project increase the potential for accident conditions which could result in the release of hazardous materials into the environment. Therefore, impacts on the public with respect to hazardous impacts would be less than significant and there are no peculiar effects with respect to hazardous materials not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

c. Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Project Impact Adequately Addressed in Previous Documentation. The nearest existing school to the Project site is Vista Murrieta High School located at 28251 Clinton Keith Road, which is 0.06 mile southwest of the Project site. The Project is a residential development and would not emit or handle hazardous materials other than standard construction materials which are handled under State and/or federal regulations and common household hazardous materials. Impacts would be less than significant. Therefore, no impact would occur.

d. Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

No Impact. According to the California Department of Toxic Substances Control (DTSC) EnviroStor, the Project site is not identified as a hazardous materials site nor is the Project in proximity to a hazardous materials site (DTSC, 2023). Additionally, as part of the Phase I ESA, Leighton conducted a regulatory records review to identify records regarding hazardous substance use, storage, or releases, or the presence of underground storage tanks (USTs) associated with the Project site. The regulatory records review did not identify the Project site on any list of hazardous materials sites. (Leighton, 2022) No impact would occur.

e. For a project within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

No Impact. The Project site is located approximately 2.3 miles northwest of the French Valley Airport. In addition, based on review of Map FV-1, Compatibility Map, of the French Valley Airport Land Use Compatibility Plan (ALUCP), the Project is not within the Airport Influence Area for the French Valley Airport (ALUC, 2012). Therefore, development of the Project site would not result in a safety hazard or excessive noise for people residing or working in the area. No impact would occur.

f. Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

No Impact. The City of Murrieta Emergency Operations Plan (EOP) was adopted June 2017 and is the City's current emergency response plan (City of Murrieta, 2017). The Project does not propose any changes to the adopted City of Murrieta Emergency Operations Plan. Additionally, the Project site is not identified as an emergency facility nor does it serve as an emergency evacuation route. The City has no defined evacuation routes; however, the Western Riverside Council of Governments (WRCOG) identifies I-15 and I-215 as evacuation routes within the City. The Project does not propose any changes to the identified emergency evacuation routes. The Project would not obstruct emergency ingress/egress to and through the Project's vicinity due to road closures or other Project actions. Construction activities along existing roadways may temporarily restrict vehicular access. However, these temporary changes to the existing roadway network require the approval of the City and notification to all emergency responders. Adherence to City requirements would ensure that temporary roadway restrictions would not interfere with emergency response or evacuation. Therefore, the Project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. Refer also to the discussion of emergency evacuation included in Section 2.20, Wildfire, issue area "a." No impact would occur.

g. Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

Project Impact Adequately Addressed in Previous Documentation. A *Fire Protection Plan* (FPP) was prepared for the Project by Dudek (Dudek, 2024) to evaluate and identify the potential fire risk associated with the Project's land uses and is included as *Technical Appendix K* of this document. The FPP identifies requirements for water supply, fuel modification and defensible space, access, building ignition and fire resistance, and fire protection systems, among other fire protection criteria. The Project would be subject to General Plan EIR MMRP mitigation measures MM FP-1 through FP-4 to reduce risks associated with wildland fires to a less than significant level. Refer to discussion on wildfire impacts in Section 2.20, Wildfire, of this document for a detailed discussion of Project condition of approval (PCOAs 4-9 and 4-10) and compliance with applicable fire safety and building code requirements. Impacts would be less than significant. Therefore, there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

2.10 Hydrology and Water Quality

2.10.1 Summary of Previous Environmental Analysis

The analysis of impacts related to hydrology and water quality was addressed in Section 5.13, Hydrology, Drainage, and Water Quality, of the 2011 EIR.

The 2011 EIR determined that the General Plan 2035 could contribute to water quality degradation from run-off and chemical releases at future construction sites. However, new development and significant reconstruction projects within the City would be required to comply with MMC Title 15, which contains

regulations to meet federal and State water quality requirements related to storm water runoff. Furthermore, future development and redevelopment pursuant to the General Plan 2035 would be subject to compliance with applicable Infrastructure and Conservation Elements policies. The General Plan 2035 also requires the continued compliance with federal, State, and regional governments and agencies to protect and improve the quality of local and regional groundwater. New development projects would be required to meet federal, State, and local water quality standards and implement mitigation (refer to General Plan EIR MMRP mitigation measures MM HYD-1 and MM HYD-2), if necessary, to reduce impacts to less than significant levels.

The 2011 EIR determined that the General Plan 2035 had the potential to contribute to the depletion/decrease of groundwater and an increase in water demand. However, not all water districts serving the City obtain 100 percent of their water from groundwater basins and multiple districts have recharge plans in place. Moreover, the Conservation Element includes goals and policies that protect and conserve existing and future water resources. Compliance with the applicable goals and policies in the Conservation Element would ensure impacts to groundwater are less than significant.

The 2011 EIR determined that the implementation of the General Plan 2035 had the potential to contribute to runoff, which may exceed the capacity of the existing drainage system. However, new development projects would be required to ensure that project-specific and Citywide drainage systems have adequate capacity to accommodate new development. The City's annual capital improvement plan (CIP), as well as goals and policies, would ensure that General Plan 2035 related storm water mitigation techniques are employed and monitored, and included in the General Plan 2035. Moreover, implementation of General Plan EIR MMRP mitigation measures MM HYD-1 and MM HYD-2 would ensure that new development projects are designed to result in less than significant impacts related the existing drainage system's capacity.

The 2011 EIR determined that the General Plan 2035 would not alter any existing drainage patterns. Applicable regulatory requirements would be applied to future development projects to ensure that projects are not constructed in a way that would alter a stream or river, or result in substantial erosion or flooding. The 2011 EIR concluded that the implementation of the General Plan 2035 would result in less than significant impacts.

The 2011 EIR determined that approximately 1,021.2 acres within the City are within the 100-year flood zone. However, development associated with implementation of the General Plan 2035 would be subject to requirements outlined in MMC Chapter 15.56.040, Methods of Reducing Flood Loss, which establishes provisions to ensure damage from flood within the City is minimized. Additionally, MMC Chapter 15.16.070, General Provisions, and Chapter 15.56.040, Administration, establish flood zones in accordance with Federal Emergency Management Agency (FEMA) and administrative procedures regarding development within or around flood zones. Moreover, the General Plan 2035 Safety Element includes policies to address flooding and flood hazards to minimize impacts related to flooding. The 2011 EIR concluded that flood-related impacts would be reduced to a less than significant level following conformance with applicable General Plan 2035 goals and policies.

The 2011 EIR determined that the City is unlikely to be subjected to flooding due to a seiche or tsunami; however, the City is subject to potential flooding in the event of dam failure. The possibility of seiches and tsunamis impacting the City is considered remote due to the City's distance to large bodies of water. The nearest large body of water to the City is Lake Elsinore, located approximately 6.24 miles northwest. The 2011 EIR concluded that flooding due to a seiche or tsunami would not occur, and no impacts would result. Portions of the City of Murrieta are subject to potential dam inundation zones associated with Lake Skinner and Diamond Valley Lake; however, dam failure is considered extremely remote. Additionally, future development associated with the General Plan 2035 would be subject to the provisions of MMC Chapter 15 and the applicable policies identified in the General Plan 2035 Safety Element that would minimize the potential for flooding to impact property and human life. Furthermore, flood risk for the City is addressed in the City's Emergency Management Plan. The 2011 EIR concluded that impacts related inundation would be less than significant.

Cumulative impacts related to hydrology and water quality were determined to be less than significant with implementation of General Plan EIR MMRP mitigation measures MM HYD-1 and MM HYD-2.

The 2020 SEIR concluded that the General Plan Update would not result in new or substantially greater impacts to hydrology, drainage or water quality than identified in the 2011 EIR and that the level of impact (less than significant) remained unchanged from that cited in the 2011 EIR. No new mitigation measures relating to hydrology, drainage or water quality were identified.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.10.2 Applicable General Plan EIR Mitigation Measures Incorporated to the Project

The following applicable mitigation measures from the General Plan EIR MMRP are incorporated into the Project and will be included in the MMRP for the Project.

HYD-1 Prior to issuance of any Grading or Building Permit, and as part of the future development's compliance with the NPDES requirements, a Notice of Intent shall be prepared and submitted to the San Diego RWQCB providing notification and intent to comply with the State of California General Construction Permit. Also, a Stormwater Pollution Prevention Plan (SWPPP) shall be reviewed and approved by the Director of Public Works and the City Engineer for water quality construction activities onsite. A copy of the SWPPP shall be available and implemented at the construction site at all times. The SWPPP shall outline the source control and/or treatment control BMPs to avoid or mitigate runoff pollutants at the construction site to the "maximum extent practicable." All recommendations in the Plan shall be implemented during area preparation, grading, and construction. The project applicant shall comply with each of the recommendations detailed in the Study, and other such measure(s) as the City deems necessary to mitigate potential stormwater runoff impacts.

HYD-2 Prior to issuance of any Grading Permit, future development projects shall prepare, to the satisfaction of the Director of Public Works and the City Engineer, a Water Quality Management Plan or Stormwater Mitigation Plan, which includes Best Management

Practices (BMPs), in accordance with the Riverside County DAMP and the Murrieta WQMP. All recommendations in the Plan shall be implemented during post construction/operation phase. The project applicant shall comply with each of the recommendations detailed in the Study, and other such measure(s) as the City deems necessary to mitigate potential water quality impacts.

2.10.3 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:					
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☒	☐	☐	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☒	☐	☐	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:					
i. Result in substantial erosion or siltation on- or offsite;	☐	☒	☐	☐	☐
ii. Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☒	☐	☐	☐

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
iii. Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☒	☐	☐	☐
iv. impede or redirect flood flows?	☐	☒	☐	☐	☐
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☒	☐	☐	☐
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☒	☐	☐	☐

Information provided in this section was obtained from the *Project Specific Water Quality Management Plan* (WQMP) (Wilson, 2023a) and *Preliminary Hydrology Report* (Hydrology Report), (Wilson, 2023b) both prepared by Wilson Mikami Corporation (Wilson) for the Project, which are included as *Technical Appendix H1* and *Technical Appendix H2*, respectively, of this document.

a. Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Project Impact Adequately Addressed in Previous Documentation. The Project site is within the planning area of the San Diego Regional Water Quality Control Board (RWQCB). The Water Quality Control Plan for the San Diego Basin (Basin Plan) establishes water quality objectives and implementation plans for the beneficial water bodies in the San Diego Region. The Project site is within the Santa Margarita Watershed. Receiving waters for this watershed include Warm Spring Creek, Murrieta Creek, and Santa Margarita River, which are currently on the 303(d) list of impaired water bodies. Refer to Table A-1 of the WQMP for a list of the Section 303(d) List of Impairments for each of these water bodies.

Construction Impacts

Construction-related activities have the potential to result in impacts to water quality due to grading activities that would potentially cause erosion and sedimentation in runoff. Sediments also transport substances such as nutrients, hydrocarbons, and trace metals, which would be conveyed to the storm

drain facilities and receiving waters. Substances such as fuels, oil and grease, solvents, paints and other building construction materials, wash water, and dust control water could also enter storm runoff and be transported to nearby waterways. This could potentially degrade the quality of the receiving waters and lead to the impairment of downstream water sources.

Because construction activities associated with the Project would involve grading of more than one acre, the Project proponent would be required to obtain coverage under the NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (NPDES No. CAS000002, Water Quality Order No. 2009-009DWQ[6], or the latest approved Construction General Permit) and implement a Storm Water Pollution Prevention Plan (SWPPP) to reduce pollutants in the stormwater to the maximum extent practicable during construction. The SWPPP must include erosion-control and sediment-control BMPs that would meet or exceed measures required by the determined risk level of the construction site, in addition to tracking control, waste management, and non-stormwater control BMPs that reduce the potential for construction-related stormwater pollutants. These measures may include the use of gravel bags, silt fences, straw wattles, hay bales, check dams, hydroseed, or soil binders. The construction contractor would be required to install, implement, and maintain these BMPs throughout the duration of onsite construction activities. A Construction Site Monitoring Program that identifies stormwater monitoring and sampling requirements during construction is a required component of the SWPPP. In addition, the construction contractor would be required to maintain an inspection log and allow the log-on site to be reviewed by the City and representatives of the RWQCB. Thus, compliance with the NPDES Construction General Permit and implementation of the required SWPPP would avoid the violation of water quality standards or waste discharge requirements, as well as avoid the degradation of water quality during construction. Impacts would be less than significant.

Operational Impacts

Development of the Project site with residential uses would also have the potential to increase the amount of urban pollutants entering receiving waters, including Warm Springs Creek, Murrieta Creek, and Santa Margarita River. As required by General Plan EIR MMRP mitigation measure MM HYD-2, a Project-specific WQMP has been prepared for the Project. The Project-specific WQMP (*Technical Appendix H1*) identifies BMPs, including basins, storm drain inlet markings, maintaining landscaping using minimum or no pesticides, means to drain fire sprinkler test water, sweeping of sidewalks and parking lots, and plumbing pools and water features to the sewer system. The BMPs are required to be implemented to adhere to local and state water quality regulations. Implementation of the WQMP would ensure that water quality impacts during operation would be less than significant.

In summary, with implementation of General Plan EIR MMRP mitigation measures MM HYD-1 and HYD-2, no violation of water quality standards or waste discharge requirements or degradation of water quality during construction or long-term operations would occur. Impacts related to water quality would be less than significant, consistent with the conclusion of the General Plan EIRs, there are no peculiar effects not

[6] NPDES No. CAS000002, Water Quality Order 2009-0009-DWQ, SWRCB NPDES General Permit for Storm Water Discharges Associated with Construction Activity (adopted by the SWRCB on September 2, 2009, and effective on July 1, 2010). This order was amended by 2010-0014-DWQ, which became effective on February 14, 2011, and 2012-0006-DWQ, which became effective on July 17, 2012. In accordance with the language set forth in Order No. 2009-0009-DWQ, this permit has been administratively extended indefinitely.

addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs and no new mitigation measures are required.

b. Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Project Impact Adequately Addressed in Previous Documentation. The Project site is within the boundaries of the Temecula Valley Groundwater Basin. The Project does not involve use of groundwater and does not include the installation of groundwater wells on- or offsite. However, as identified above, the 2011 EIR and 2020 SEIR concluded that development within the City, which would include the Project, has the potential to contribute to the depletion/decrease of groundwater and an increase in water demand. The Conservation Element includes goals and policies that protect and conserve existing and future water resources, including groundwater.

EMWD, using water provided by Metropolitan, would provide water services to the Project site following the approval of Project annexation into the water districts. EMWD's potable water supply includes a portfolio of local and imported water supplied by Metropolitan. Local supplies include recycled water, potable groundwater, and desalinated groundwater. EMWD periodically prepares an Urban Water Management Plan (UWMP) to account for potable water needs in the various jurisdictions it serves. The most recent UWMP was approved in 2020. The UWMP water projections are based on the land use assumptions in the general plan for jurisdictions within EWMD's service area. The Project is consistent with the General Plan Update; therefore, the water demand associated with the development of the Project site is accounted for in EMWD's 2020 UWMP projections. The 2020 UWMP forecasts adequate water supply under year 2045 under normal, single-dry, and multiple-dry years. Therefore, the Project would not substantially decrease groundwater supplies resulting in a less than significant impact.

Although development of the Project site would reduce the pervious areas available for potential natural recharge by 65%, the area of the Project site is relatively small in relation to the overall size of the groundwater basin and, currently, the Project site's only source of water is from direct precipitation, providing little opportunity to recharge under existing conditions. Therefore, the Project would not substantially decrease groundwater supplies or interfere with groundwater recharge and impacts would be less than significant consistent with the conclusion of the conclusions of the General Plan EIRs. There are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

c. Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

- ***i) result in substantial erosion or siltation on- or offsite;***
- ***ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on or offsite;***
- ***iii) create or contribute runoff water which would exceed the capacity or existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or***
- ***iv) impede or redirect flood flows?***

c.i) Project Impact Adequately Addressed in Previous Documentation. As previously discussed, construction activities associated with the Project would involve grading and ground disturbance.

Erosion during construction would be related primarily to disturbed soils and sediments that may enter the stormwater during rainfall events or winds, but the implementation of erosion control and sediment control BMPs as part of the SWPPP that would be required under the NPDES Construction General Permit would reduce erosion on and off site. Erosion and sediment control BMPs would include, but not limited to temporary construction fencing; fiber roll barriers; gravel bag barriers; inlet protection; sediment traps; designated construction vehicle driveways; and designated areas for material storage, stockpiles, and concrete waste would be installed to control erosion and sedimentation during construction. Thus, compliance with existing water quality regulations would prevent substantial erosion on- or off-site. Impacts would be less than significant, consistent with the conclusions of the General Plan EIRs, and there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

As discussed under Threshold "a" above, to manage surface runoff, stormwater runoff would be directed to BMPs identified in the Project-specific WQMP, which would remove pollutants including sediment in the stormwater. Thus, impacts associated with the alteration of drainage patterns and erosion would be less than significant with adherence to applicable local, regional, and state requirements, consistent with the conclusions of the General Plan EIRs, and there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

c.ii) Project Impact Adequately Addressed in Previous Documentation. The Project site's existing and proposed hydrological condition is illustrated in Figure 2-4, *Existing Condition Hydrology Map*, and Figure 2-5, *Proposed Condition Hydrology Map*, respectively. The Hydrology Report analyzes the Project's developed conditions to ensure the storm drain infrastructure is appropriately sized to accommodate stormwater runoff from the anticipated future development.

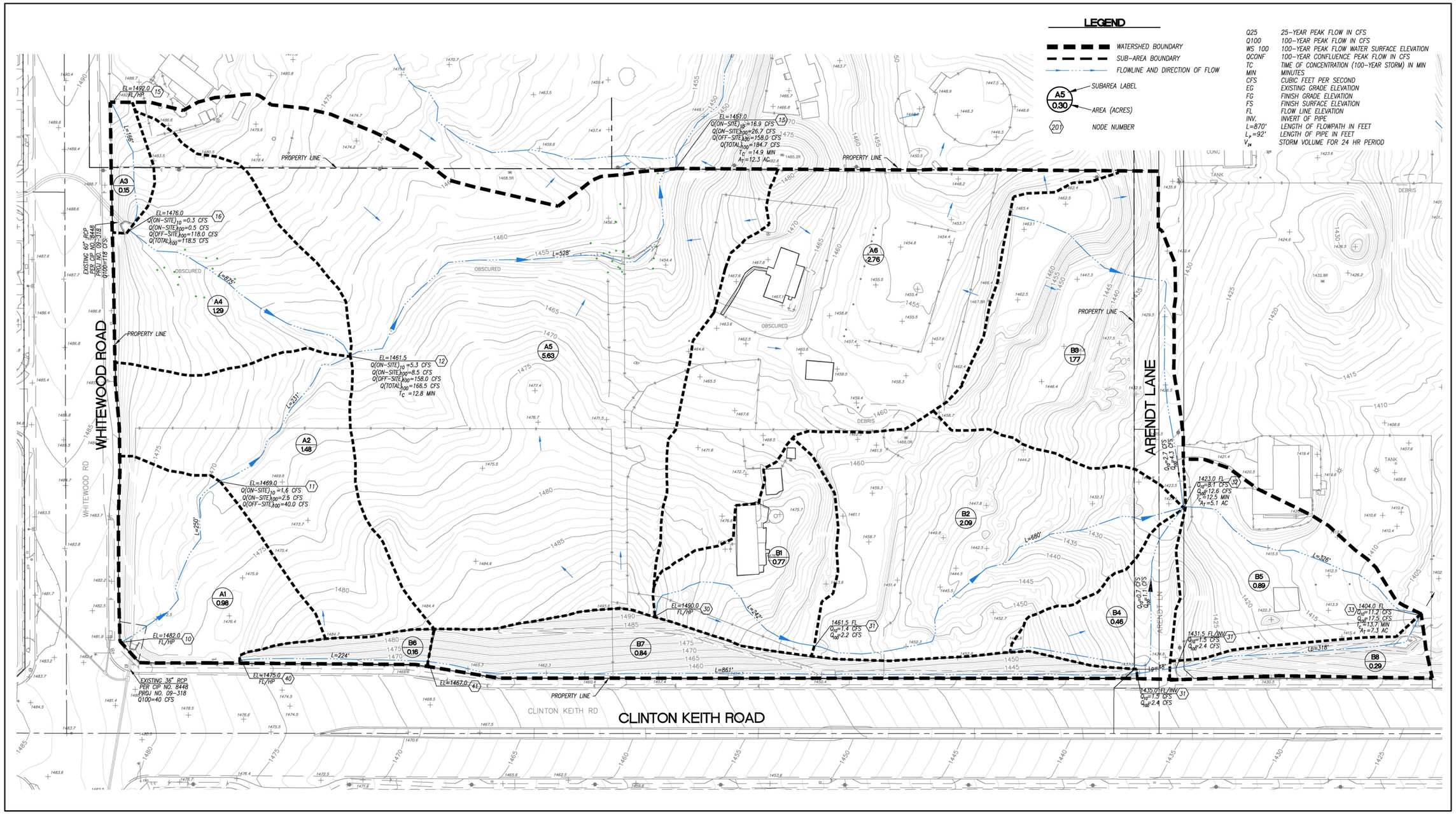
The drainage from the proposed development would surface drain to several catch basin locations throughout the Project. There would be two major systems collecting the on-site drainage from these basins. The outlet location of these storm drain lines would remain consistent with the existing outlet locations. Line 'A' would collect the north and west portion of the site and outlet at the existing streamline located at the north boundary. Line 'B' would collect the flow from the south and east portions of the site and outlet through the proposed entry street off Arendt Lane. The outlet location would remain consistent with the existing low point location outside of Arendt Lane.

A proposed underground detention facility would be constructed off Line 'B' to detain any additional storm volume associated with the proposed development. The drainage would be metered out such that the flowrate at the outlet is not increased such that downstream facilities would be overburdened. The off-site flows would be collected in a bypass system transferred through the site and outlet at the original streamline located at the north boundary of the site.

The Hydrology Report calculates design storm flow rates at designated points of interest for the 100-year storm event and will be used to size drainage facilities that support development of the Project. Under existing conditions the Project site's 100-year flow rate is 39.3 cubic feet per second (cfs) and under developed conditions, the Project site's 100-year flow rate is calculated to be 35.4 cfs (a 3.9 cfs decrease). The proposed storm drain system is adequate to transport the drainage to the underground detention system and the required storage is provided. Therefore, peak flows would be reduced under proposed conditions. Additionally, protection of onsite structures would be maintained for the 100-year storm event.

Therefore, development of the Project site would not substantially alter the existing drainage pattern of the subject property or substantially increase the rate or amount of surface water runoff from the site in a manner that would result in flooding on- or offsite. Accordingly, this impact is less than significant consistent with the conclusion of the General Plan EIRs, there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

c.iii) Project Impact Adequately Addressed in Previous Documentation. As discussed under Threshold "a" above, the Project's construction contractors would be required to comply with a SWPPP, and the Project's owner or operator would be required to comply with the WQMP (*Technical Appendix H1* of this Initial Study) to ensure that Project-related construction activities and operational activities do not result in substantial amounts of polluted runoff. Therefore, the Project would not provide substantial additional sources of polluted runoff and the impact would be less than significant. As discussed above, the Hydrology Report concluded that the proposed storm drain system can adequately accommodate stormwater runoff from the 100-year storm event. This impact is less than significant, consistent with the conclusion of the General Plan EIRs, there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

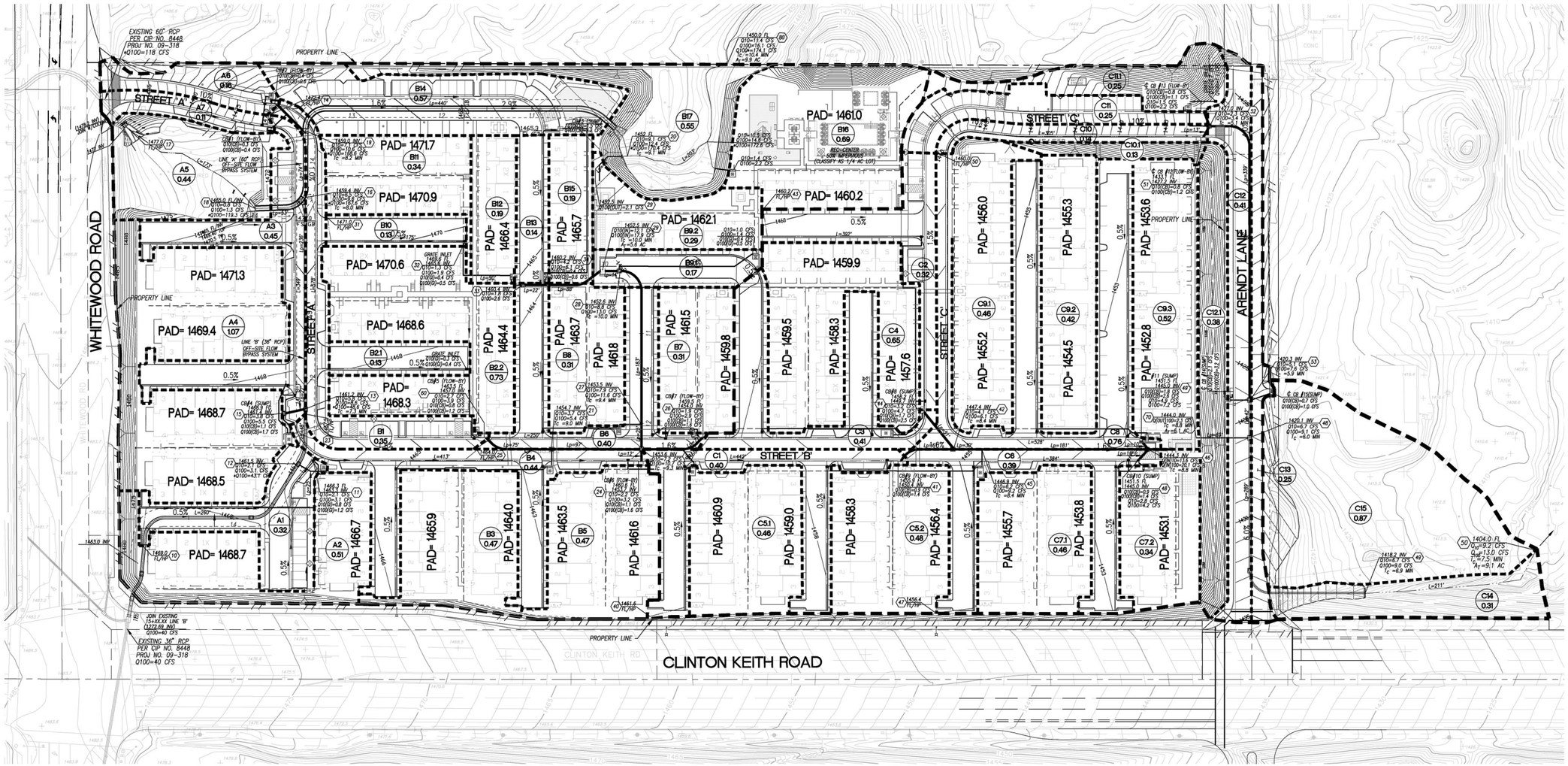


Source(s): Wilson Mikami Corporation (06-17-2024)

Figure 2-4

Not to Scale

Existing Condition Hydrology Map



LEGEND

- WATERSHED BOUNDARY
- SUB-AREA BOUNDARY
- FLOWLINE AND DIRECTION OF FLOW
- A5 / 0.30 — SUBAREA LABEL / AREA (ACRES)
- 201 — NODE NUMBER

Q10	10YEAR PEAK FLOW IN CFS
Q100	100-YEAR PEAK FLOW IN CFS
*Q100	100-YEAR PEAK FLOW (INCLUDING OFF-SITE FLOW) IN CFS
QCONF	100-YEAR CONFLUENCE PEAK FLOW IN CFS
TC	TIME OF CONCENTRATION (100-YEAR STORM) IN MIN
MIN	MINUTES
CFS	CUBIC FEET PER SECOND
EG	EXISTING GRADE ELEVATION
FG	FINISH GRADE ELEVATION
FS	FINISH SURFACE ELEVATION
FL	FLOW LINE ELEVATION
INV.	INVERT OF PIPE
L=870'	LENGTH OF FLOWPATH IN FEET
Lp=92'	LENGTH OF PIPE IN FEET
V_{24}	STORM VOLUME FOR 24 HR PERIOD

Source(s): Wilson Mikami Corporation (06-17-2024)

Figure 2-5

Not to Scale

Proposed Condition Hydrology Map

c.iv) No Impact: The Project site is identified as being within an area of minimal flooding (FEMA Flood Zone X), and not within a 100-year flood zone (FEMA, 2008). The Project, which would maintain the on-site tributary channels and would not alter drainage patterns, would not impede or redirect flood flows. No impact would result.

d. Would the project in flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

No Impact. The Project site is not within a FEMA flood zone; the Project site is identified within FEMA Flood Zone X (FEMA, 2020). Therefore, the Project would not risk the release of pollutants due to being located within a flood hazard zone.

Tsunamis are giant waves caused by earthquakes or volcanic eruptions under the sea. The Project site is located approximately 27 miles northeast of the Pacific Ocean. Therefore, the Project site is not within a tsunami flood hazard zone and there is no risk of pollutant release from a tsunami.

A seiche occurs when a wave oscillates in lakes, bays, or gulfs as a result of seismic disturbances. There are no enclosed or semi-enclosed bodies of water in proximity to the Project site. The nearest enclosed body of water to the Project site is Lake Skinner located approximately 5 miles east. Additionally, based on review of the City's Safety Element Exhibit 12-7, Dam Inundation, the Project site is not within a designated dam inundation area. Therefore, the Project site is not within a seiche zone on inundation area and there is no risk of pollutant release from a seiche or dam failure. No impact would occur.

e. Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

No Impact. California's Porter-Cologne Act requires adoption of water quality control plans that contain the guiding policies of water pollution management in California; regional water quality control plans (known as a Basin Plans) have been adopted by each of the Regional Water Boards. The Project site is in the San Diego Region and the San Diego RWQCB has developed a Basin Plan for the San Diego Basin, which was adopted in September 1994 and contains amendments through September 2021. The Basin Plan is designed to preserve and enhance water quality and protect the beneficial uses of all regional waters. Specifically, the Basin Plan: (1) designates beneficial uses for surface and ground waters; (2) sets narrative and numerical objectives that must be attained or maintained to protect the designated beneficial uses and conform to the state's antidegradation policy; (3) describes implementation programs to protect the beneficial uses of all waters in the Region; and (4) describes surveillance and monitoring activities to evaluate the effectiveness of the Basin Plan (San Diego RWQCB, 2021). The RWQCB ensures compliance with the Basin Plan through its issuance of NPDES Permits, issuance of Water Discharge Requirements WDR, and Water Quality Certifications pursuant to Section 401 of the CWA.

As discussed under Threshold a, above, there would be a potential for the Project to generate pollutants and impact water quality during construction and operation. The Project would be required to comply with applicable regulatory requirements for protection of water quality during construction, including those set forth by the Construction General Permit, including preparation of an SWPPP and implementation of construction BMPs to control stormwater runoff and discharge of pollutants and to

reduce impacts to a less than significant level. With respect to operations, as required by the Basin Plan and General Plan EIR, a Project-specific WQMP has been prepared and implement BMPs in accordance with the Riverside County Drainage Area Management Plan (DAMP) and the Murrieta WQMP, which would ensure compliance with the Basin Plan. The Project Applicant shall comply with each of the recommendations detailed in the WQMP, and other such measure(s) as the City deems necessary to mitigate potential water quality impacts. Thus, the Project would not degrade water quality, cause the receiving waters to exceed the water quality objectives, or impair the beneficial use of receiving waters. As such, the Project would not result in water quality impacts that would conflict with the San Diego RWQCB's Water Quality Control Plan for the San Diego Basin.

The Project site is within the Temecula Valley Groundwater Basin, which the California Department of Water Resources (DWR) identifies as a "very low-priority" basin (DWR, 2022a). According to the 2014 Sustainable Groundwater Management Act (SGMA), local public agencies and Groundwater Sustainability Agencies (GSAs) in "high"- and "medium"-priority basins are required to develop and implement Groundwater Sustainability Plans (GSPs) or Alternatives to GSPs (DWR, 2022b). However, because the Temecula Valley groundwater basin is a very low-priority basin, neither a GSP nor Alternative to GSP is required for the sustainable management of the Temecula Valley groundwater basin. Therefore, the Project would not conflict or obstruct the implementation of a sustainable groundwater management plan. No impact would occur.

2.11 Land Use and Planning

2.11.1 Summary of Previous Environmental Analysis

The analysis of impacts related to land use and planning for the General Plan 2035 was addressed in Section 5.1, Land Use, of the 2011 EIR. The 2011 EIR determined that the implementation of the General Plan 2035 would lead to greater urbanization within the City by localized intensification of land uses on underutilized site and introduction of new lands on vacant sites. However, the proposed General Plan 2035 Land Use Policy Map establishes consistent and compatible development intensities to ensure existing and future land uses would not negatively impact adjacent and surrounding uses. Impacts were determined to be less than significant and cumulative impacts were determined to be less than significant. Additionally, the 2011 EIR determined that the General Plan 2035 contains goals and policies that would continue to support procedures followed by the City when development applications are reviewed. The General Plan 2035 would have a beneficial effect by making the General Plan a more effective tool to review future projects and to coordinate with other jurisdictions and regulatory agencies on regional planning. Impacts, including cumulative impacts, were determined to be less than significant.

The 2020 SEIR provided analysis of land use and planning impacts for the General Plan Update in Section 4.1, Land Use and Planning. The 2020 SEIR determined that although the General Plan Update would change the land use within six focus areas of the City the implementation of the General Plan Update would not result in direct impacts related to land use compatibility and would not physically divide an established community. The 2020 SEIR concluded that the land use changes proposed through the General Plan Update would not divide an established community, including in the North Murrieta Business Corridor Focus Area. Further goals and policies from the General Plan Update were incorporated to preserve and improve existing and future physical development.

The 2020 SEIR determined that the implementation of the General Plan Update addresses new State laws since 2011 including: wildfire risks and preparation (SB 1249), climate adaptation and resiliency (SB 379); transitioning to VMT analysis from Level of Service for traffic (SB 743); environmental justice (SB 1000) and the dissolution of redevelopment agencies, and would not result in a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect. The General Plan Update included a revised mix and location of land use designation and zoning classifications along with a new land use designation and zoning classification, Innovation. The 2020 SEIR concluded that impacts would be less than significant impacts related to consistency to land use plans, policies, or regulations adopted for the purpose of avoiding or mitigating an environmental effect and no mitigation is required. As such, the 2020 SEIR concluded that the General Plan Update would not result in any new or a substantial increase in the severity of a previously identified significant impact in the 2011 EIR; impacts would remain less than significant and no mitigation is required.

Cumulative impacts related to land use and planning were determined to be less than significant and no mitigation measures are required.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.11.2 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:					
a) Physically divide an established community?	☐	☒	☐	☐	☐
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☒	☐	☐	☐

a. Would the project physically divide an established community?

No Impact. The Project site is bordered to the north by residential uses, to the west by Whitewood Road, to the south by Clinton Keith Road, and to the east by Arendt Lane. Regional access to the Project site is provided by Interstate (I)-215 via Clinton Keith Road. The Project site contains two existing residences in the eastern half of the site and the western half of the site is undeveloped. The Project would redevelop the site with uses compatible with the surrounding communities and would not introduce new major infrastructure which has the potential to physically divide an established community.

The Project is consistent with the existing General Plan land use and zoning designations for the Project site, which anticipates development of residential uses within the Project site. The Project would not physically divide an established community. No impact would occur.

b. Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

No Impact. The following is a discussion of the Project's consistency with local and regional planning programs.

Murrieta General Plan and Zoning Ordinance

The Project site has General Plan land use designations Multiple-Family Residential (10.1-30 du/acre), and is within the Multi-Family 2, Residential (MF-2) zoning district. The MF designation provides for attached and detached apartments and condominiums. Typical development consists of townhomes, condominiums, apartments, senior housing, and stacked flats. This designation encourages the development of integrated projects that provide complementary open spaces and amenities onsite. The Multiple-Family Residential designation permits a density between 10.1 and 30 du/ac. The MF-2 zoning district has an allowable density range from 15.1 – 18 du/ac. The Project proposes243 dwelling units at a density of 15.1 du/ac and includes a 900 s.f. restroom and pool equipment building, tot lot, and 65,120 s.f. of total common open space throughout the site. Thus, the Project would comply with the General Plan and zoning designations for the site.

The Project would not conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect or with the zoning designations and associated development standards already established by the City. Based on the foregoing analysis, no impact would occur.

2.12 Mineral Resources

2.12.1 Summary of Previous Environmental Analysis

The analysis of mineral resources impacts was addressed in Section 5.12, Mineral Resources, of the 2011 EIR. The 2011 EIR identified five mineral resource sites in the City containing clay, sand and gravel, feldspar, feldspar/silica, and gold and one geothermal resource. According to the State of California Department of Conservation, Geologic Energy Management Division (CalGEM) (formerly Department of Oil, Gas, and Geothermal Resources), there are no underlying oil field present in the City or within outlying areas (CalGEM, 2022). The 2011 EIR determined that future development in the City would result in less than significant impacts to mineral resources because it is unknown and unlikely that the MRZ-4 area of the City contains significant mineral resources. Additionally, while the MRZ-3a classification represents an area that has the potential for mineral deposits, no resources have been identified. While mineral resources are identified within in the City, no mineral resource recovery sites currently exist. As such, future development within the City pursuant to the General Plan 2035 would not result in the loss of availability of a known mineral resource or impacts to mineral resource recovery sites. The 2011 EIR concluded that the implementation of the General Plan 2035 would not adversely impact mineral

resources and impacts would be less than significant. Cumulative impacts on mineral resources were determined to be less than significant. No mitigation measures were required.

The 2020 SEIR concluded that the General Plan Update would not result in new or substantially greater impacts to mineral resources than identified in the 2011 EIR and that the level of impact (less than significant) remained unchanged from that cited in the 2011 EIR. No new mitigation measures relating to mineral resources were identified.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.12.2 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:					
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☒	☐	☐	☐
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☒	☐	☐	☐

a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

No Impact. The Project site is within the mineral classification of MRZ-3, which are areas that have the potential for mineral deposits, but no resources are identified (CDC, 2014). Additionally, according to 2011 General Plan EIR Figure 5.12-1, *Mineral Resources*, there are no known mineral resources onsite. As such, the implementation of the Project would not result in the loss of availability of a known mineral resource. No impact would occur.

b. Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?

No Impact: The City's Development Code allows mining within the General Industrial zoning district. The Project site is within the MF-2 zoning district and is not delineated by the City's General Plan as a mineral resource recovery site. Therefore, the Project would not result in the loss of availability of a locally important mineral resource recovery site. No impact would occur.

2.13 Noise

2.13.1 Summary of Previous Environmental Analysis

The analysis of noise impacts was addressed in Section 5.7, Noise, of the 2011 EIR. Sources of noise in the City include mobile sources (e.g., freeways, streets, aircraft, etc.) and stationary sources (e.g., construction, commercial facilities, and industrial facilities).

The 2011 EIR determined that short-term construction noise associated with the future development pursuant to General Plan 2035 would result in a temporary nuisance to residents and businesses. Future development would be subject to compliance with the applicable policies identified in the current Noise Element to ensure construction activities comply with the City's Noise Ordinance. The 2011 EIR concluded that compliance with the City's Noise Ordinance and/or Noise Element policies would reduce short-term construction noise impacts to less than significant levels.

The 2011 EIR determined that construction has the potential to generate varying degrees of groundborne vibration. Groundborne vibration generated during construction would primarily impact existing sensitive uses that are located adjacent to or within the vicinity of specific projects. The General Plan 2035 includes policies that assist in the reduction of vibration by limiting the hours of construction in residential areas and employing noise reduction methods. The 2011 EIR concluded that with adherence to the City's Noise Ordinance, applicable Noise Element policies, and the implementation of mitigation (NOI-1) (addressing vibration impacts to historic structures), construction vibration impacts would be less than significant. The 2011 EIR further concluded that individual development projects would be reviewed for project-specific impacts during any required environmental review. If project-specific significant impacts are identified, applicable mitigation measures would be placed on the project as conditions of approval.

The 2011 EIR determined that the implementation of the General Plan 2035 would generate additional traffic, which has the potential to increase ambient noise levels at existing land uses along roadways. Additionally, implementation of the General Plan 2035 has the potential to provide opportunities for light rail transit and high-speed rail, which would create a new source of mobile noise. Moreover, French Valley Airport is the primary source of air traffic affecting noise levels within the City. Some residential uses would experience noise levels that would exceed the allowable Land Use Criteria Compatibility Criteria; however, the Noise Element identifies policies that would minimize noise generate from mobile sources and policies identified in the Land Use Element of the General Plan 2035 would ensure noise from the French Valley Airport would be reduced. Further, the General Plan 2035 would implement General Plan EIR MMRP mitigation measure MM NOI-2 to ensure aircraft noise impacts to residential uses within the 55-community noise equivalence level (CNEL) noise contour are mitigated to a less than significant level. The 2011 EIR concluded that operational mobile source noise levels would be less than significant with mitigation. Specifically, the 2011 EIR concluded that with implementation of the proposed General Plan 2035, some residential uses would experience noise levels that would exceed the allowable Land Use Criteria Compatibility Criteria (refer to Table 5.7-2). However, General Plan 2035 Goal N-3 would minimize noise from mobile sources. Specifically, Policies N-3.1, N-3.2, and LU-25.3 consider noise mitigation measures in the design of and improvements to streets, highways, and freeways as well as working with Caltrans to achieve maximum noise abatement for highway and freeway projects. Policy N-3.3 also encourages the construction of noise barriers and maintenance of existing noise barriers along I-15 and I-

215. Therefore, conformance with the General Plan 2035 goals and policies would reduce traffic exposure at sensitive land uses. Implementation of the goals and polices would be realized through the review of individual development projects by the City for project-specific impacts during any required environmental review. If project-specific significant impacts are identified, specific mitigation measures would be placed on the project as conditions of approval to ensure compliance with the appropriate Land Use Criteria Compatibility Criteria.

The 2011 EIR determined that the implementation of the General Plan 2035 would result in stationary noise sources, which have the potential to increase ambient noise levels. The 2011 EIR anticipated that residential uses would comprise the largest land use category in the City. Noise from residential stationary sources would primarily occur during the "daytime" activity hours. The 2011 EIR also anticipated commercial, office, and industrial land uses to be developed within the City. Noise generally associated with these uses are generated by slow moving truck deliveries, parking areas, landscape maintenance, and similar activities. The General Plan 2035 Noise Element includes policies that ensure the reduction of noise transmission between these uses through site design. The 2011 EIR concluded that operational stationary source noise levels would be reduced to less than significant levels through compliance with the City's Noise Ordinance and/or compliance with applicable General Plan 2035 policies.

Cumulative impacts related to short-term construction noise were determined to be less than significant with the implementation of General Plan EIR MMRP mitigation measure MM NOI-1. Cumulative impacts related to long-term operational mobile noise sources were determined to be significant an unavoidable even with the implementation of General Plan EIR MMRP mitigation measure MM NOI-2. Cumulative impacts related to long-term operational stationary noise sources were determined to be less than significant and no mitigation measures were required.

The 2020 SEIR concluded that the General Plan Update would not result in new or substantially greater noise impacts than identified in the 2011 EIR and that the level of impact (less than significant) remained unchanged from that cited in the 2011 EIR. No new mitigation measures relating to noise were identified. Further, as in the 2011 EIR, the 2020 SEIR concluded that individual development projects would be reviewed for project-specific impacts during any required environmental review. If project-specific significant impacts were identified, applicable mitigation measures would be placed on the project as conditions of approval.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.13.2 Applicable General Plan EIR Mitigation Measures Incorporated to the Project

General Plan EIR MMRP mitigation measure MM NOI-1 is not applicable to the Project as there is no pile driving anticipated with the Project and there are no historic structures in the vicinity. General Plan EIR MMRP mitigation measure MM NOI-2 is not applicable to the Project as the Project site is not within the 55 CNEL noise contour for the French Valley Airport.

2.13.3 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project result in:					
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☒	☐	☐	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☒	☐	☐	☐
c) For a project located within the vicinity of a private airstrip or an airport land use land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☒	☐	☐	☐

Information provided in this section was obtained from the Project-specific Noise Impact Analysis (NIA) (*Technical Appendix I*) (Urban Crossroads, 2024c), prepared for the Project by Urban Crossroads to evaluate Project-related short-term construction and long-term operational noise impacts. Detailed information about noise fundamentals and methods used for preparation of the noise analysis are included in the NIA. Urban Crossroads assumed a total of 262 residential dwelling units; however, through Project redesign, the Project's unit count has been reduced to a total of 243 residential dwelling units as discussed in section 1.0, *Project Information*. The slight reduction in unit count would result in a negligible change in the Noise analysis and therefore, would result in the same impact conclusion as further discussed below. The higher unit count of 262 residential units is used as a conservative approach to the analysis.

Existing Noise Conditions

Existing Study Area Ambient Noise Conditions

On August 3, 2022, Urban Crossroads collected 24-hour noise level measurements from four (4) locations in the vicinity of the Project site (refer to Figure 2-6, *Noise Measurement Locations*). The background ambient noise levels in the Project area are dominated by transportation-related noise associated with the arterial roadway network. The noise measurements presented in Table 2-11, 24-Hour Ambient Noise Level Measurements, focus on the average or equivalent sound levels (L_{eq}), which represents a steady state sound level containing the same total energy as a time varying signal over a given sample period. As shown in Table 2-11, daytime noise levels range between 68.1 dBA L_{eq} and 51.9 dBA L_{eq} and nighttime noise level range between 64.6 dBA L_{eq} and 48.4 dBA L_{eq}. The overall 24-hour exterior noise level ranges between 67.8 L_{eq} and 48.4 dBA L_{eq}.

Table 2-12 summarizes the significance criteria for potential noise impacts during construction and operation; these criteria are further discussed in Section 4, Significance Criteria, of the NIA.

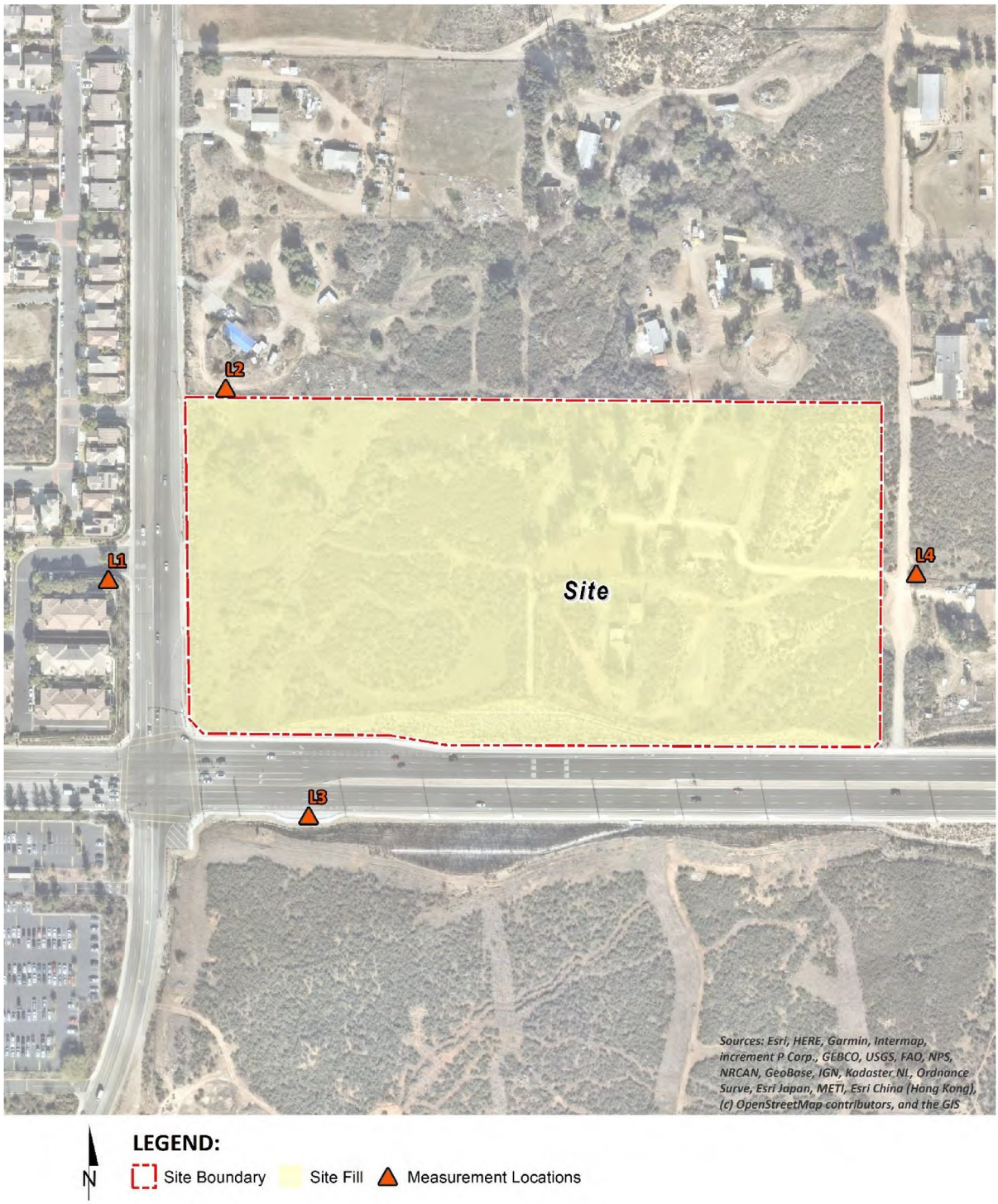
a. Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies

Project Impact Adequately Addressed in Previous Documentation.
Construction Impacts

Typical Construction Noise

As previously identified, construction activities for the Project would involve site preparation, grading, building construction, paving, and architectural coatings. Noise generated by the Project construction equipment would include a combination of trucks, power tools, concrete mixers, and portable generators that when combined can reach high levels. To assess the worst-case construction noise levels, the Project construction noise analysis relies on the highest noise level impacts when the equipment with the highest reference noise level is operating at the closest point from the edge of primary construction activity (Project site boundary) to each sensitive receiver location. As described in Section 2.3, *Air Quality*, of this document, the nearest sensitive receiver to the Project site is Location R2, located 59 feet north of the Project site.

As shown in Table 2-13, *Typical Construction Noise Level Compliance*, the highest typical construction noise levels are expected to range from 52.9 to 62.8 dBA L_{eq} at the nearest sensitive receiver locations. To evaluate whether the Project would generate potentially significant short-term noise levels at nearest receiver locations, a construction-related daytime noise level threshold of 75 dBA L_{eq} is used as a reasonable threshold to assess the daytime construction noise level impacts. The construction noise analysis shows that the nearest receiver locations would satisfy the reasonable significance threshold during the daytime of 75 dBA L_{eq}. Therefore, the noise impacts due to Project construction noise would be less than significant at all receiver locations.



Source(s): Urban Crossroads (July 2023)

Figure 2-6

Not to Scale

Noise Measurement Locations

Table 2-11 24-Hour Ambient Noise Level Measurements

Location[1]	Description	Energy Average Noise Level (dBA L_{eq})[2]	
		Daytime	Nighttime
L1	Located west of the Project site near single-family residence at 35960 Lindstrand Avenue.	68.1	64.6
L2	Located northwest of the Project site near single-family residence at 35842 Meadowlark Lane.	58.7	54.0
L3	Located south of the Project site across Clinton Keith Road.	66.2	63.0
L4	Located east of the Project site near single-family residence at 35960 Arendt Lane.	51.9	48.4

[1] See Figure 2-10 of this document for the noise level measurement locations.
[2] Energy (logarithmic) average levels. The long-term 24-hour measurement worksheets are included in Appendix 5.1"of Technical Appendix I.
"Daytime" = 7:00 a.m. to 10:00 p.m"; "Nighttime" = 10:00 p.m. to 7:00 a.m.
Source: (Urban Crossroads, 2024c, Table 5-1)

Table 2-12 Significance Criteria Summary

Analysis	Land Use	Condition(s)	Significance Criteria	
			Daytime[6]	Nighttime[6]
On-Site	All Land Uses	Exterior Noise Compatibility[1]	See Exhibit 3-A of the NIA	
		Interior Noise Level Standard[3]	45 dBA CNEL	
Offsite	Noise-Sensitive	< 60 dBA	5 dBA or more	
		60 – 65 dBA	3 dBA or more	
		> 65 dBA	1.5 dBA or more	
	Non-Noise-Sensitive	=< 70 dBA	5 dBA or more	
		> 70 dBA	3 dBA or more	
Operational	All Land Uses	Daytime	See Exhibit 3-B of the NIA	
		Nighttime		
Construction Noise & Vibration	All Land Uses	Mobile Construction[4]	75 dBA L_{eq}	
		Stationary Construction[5]	60 dBA L_{eq}	
		Vibration Level Threshold[4]	0.04 PPV in/sec	

[1] City of Murrieta General Plan Noise Element, Table 11-2.
[2] California Code of Regulations, Title 24, Building Standards Administrative Code, Part 2.
[3] California Code of Regulations, Title 24, Building Standards Administrative Code, Part 11.
[4] City of Murrieta Municipal Code, Section 16.30.130 (A) (Appendix 3.1 of Technical Appendix I).
[5] City of Murrieta Municipal Code, Section 16.30.130 (K) (Appendix 3.1 of Technical Appendix I).
[6] Daytime" = 7:00 a.m. to 10:00 p.m.; "Nighttime" = 10:00 p.m. to 7:00 a.m.
Source: (Urban Crossroads, 2024c, Table 4-1)

Table 2-13 Typical Construction Noise Level Compliance

Receiver Location[1]	Construction Noise Levels (dBA L_{eq})		
	Highest Construction Noise Levels[2]	Threshold[3]	Threshold Exceeded?[4]
R1	59.9	75	No
R2	62.4	75	No
R3	52.9	75	No
R4	60.3	75	No
R5	62.8	75	No
R6	58.4	75	No

[1] Noise receiver locations are shown on Exhibit 11-A of the Project's NIA[2] Highest construction noise level calculations based on distance from the construction noise source activity to the nearest receiver locations.
[3] Construction noise level thresholds as shown on Table 2-12.
[4] Do the estimated Project construction noise levels exceed the construction noise level threshold?
Source: (Urban Crossroads, 2024c, Table 11-3)

Operational Impacts

Offsite Traffic Noise Impacts

The offsite traffic-related noise impacts resulting from anticipated development at the Project site were evaluated under the following scenarios: Existing (Year 2022) Conditions with Project and Opening Year Cumulative (Year 2024) with Project. Existing (Year 2022) represents traffic noise levels on roadway segments in 2022, and Opening Year Cumulative (Year 2024) represents potential near-term cumulative traffic noise levels on roadway segments in 2024. As shown in Table 2-14, Existing (Year 2022) With Project Traffic Noise Level Increases, under the Existing with Project conditions, the Project's potential offsite traffic noise level increases are estimated to range from 0.0 to 0.2 dBA CNEL and would not exceed the incremental noise level increase thresholds which are listed above. Impacts would be less than significant.

As shown in Table 2-15, *Opening Year Cumulative (Year 2024) with Project Traffic Noise Level Increases*, under Cumulative Year 2024 Year with Project conditions, the Project's potential offsite traffic noise level increases would range from an estimated 0.0 to 0.3 dBA CNEL and would not exceed the incremental noise level increase thresholds. Impacts would be less than significant.

Based on the significance criteria for offsite traffic noise, land uses adjacent to the study area roadway segments would experience less than significant noise level impacts due to Project-related traffic noise levels.

Table 2-14 Existing (Year 2022) With Project Traffic Noise Level Increases

ID	Road	Segment	Receiving Land Use[1]	CNEL at Receiving Land Use (dBA)[2]			Incremental Noise Level Increase Threshold[3]	
				No Project	With Project	Project Addition	Limit	Exceeded?
1	Clinton Keith Rd.	w/o I-215 SB Ramps	Commercial	73.5	73.6	0.1	1.5	No
2	Clinton Keith Rd.	e/o I-215 NB Ramps	Commercial /Public	72.1	72.3	0.1	1.5	No
3	Clinton Keith Rd.	e/o Warm Springs Pkway.	Residential/ Public	71.2	71.3	0.2	1.5	No
4	Clinton Keith Rd.	e/o Whitewood Rd.	Residential/ Public	73.0	73.1	0.1	1.5	No
5	Clinton Keith Rd.	e/o Arendt Lane	Residential	73.0	73.0	0.0	1.5	No
6	Whitewood Rd.	s/o Clinton Keith Rd.	Residential/ Public	71.7	71.8	0.0	1.5	No
7	Whitewood Rd.	n/o Clinton Keith Rd.	Residential	71.6	71.8	0.2	1.5	No
8	Whitewood Rd.	n/o Driveway 1	Residential	71.6	71.8	0.2	1.5	No

[1] Based on a review of existing aerial imagery. Noise sensitive uses limited to existing residential land uses.
[2] The CNEL is calculated at the boundary of the right-of-way of each roadway and the property line of the receiving land use.
[3] Does the Project create an incremental noise level increase exceeding the significance criteria?
Source: (Urban Crossroads, 2024c, Table 8-5)

Table 2-15 Opening Year Cumulative (Year 2024) with Project Traffic Noise Level Increases

ID	Road	Segment	Receiving Land Use[1]	CNEL at Receiving Land Use (dBA)[2]			Incremental Noise Level Increase Threshold[3]	
				No Project	With Project	Project Addition	Limit	Exceeded?
1	Clinton Keith Rd.	w/o I-215 SB Ramps	Commercial	74.8	74.8	0.0	1.5	No
2	Clinton Keith Rd.	e/o I-215 NB Ramps	Commercial /Public	73.6	73.9	0.3	1.5	No
3	Clinton Keith Rd.	e/o Warm Springs Pkway.	Residential/ Public	72.9	73.0	0.1	1.5	No
4	Clinton Keith Rd.	e/o Whitewood Rd.	Residential/ Public	74.0	74.1	0.1	1.5	No
5	Clinton Keith Rd.	e/o Arendt Lane	Residential	74.0	74.1	0.1	1.5	No
6	Whitewood Rd.	s/o Clinton Keith Rd.	Residential/ Public	72.7	72.7	0.0	1.5	No
7	Whitewood Rd.	n/o Clinton Keith Rd.	Residential	73.9	74.1	0.2	1.5	No
8	Whitewood Rd.	n/o Driveway 1	Residential	74.0	74.0	0.0	1.5	No

[1] Based on a review of existing aerial imagery. Noise sensitive uses limited to existing residential land uses.
[2] The CNEL is calculated at the boundary of the right-of-way of each roadway and the property line of the receiving land use.
[3] Does the Project create an incremental noise level increase exceeding the significance criteria?
Source: (Urban Crossroads, 2024c, Table 8-6)

Stationary Noise Impacts

The proposed residential development is not expected to include any specific type of operational noise levels beyond the typical noise sources associated with similar residential land uses in the vicinity of the Project site, such as air conditioning units, parking lot vehicle movements, and pool/spa activity. Urban Crossroads calculated the operational source noise levels that are expected to be generated at the Project site and the Project-related noise level increases that would be experienced at each of the sensitive receiver locations. As indicated on Table 2-16, *Daytime Project Operational Noise Level Increases* and Table 2-17, *Nighttime Operational Noise Level Increases*, the Project would generate daytime and nighttime operational noise level increases ranging from less than 0.1 to 1.3 dBA Leq at the nearest receiver locations. Project-related operational noise level increases would satisfy the operational noise level increase significance criteria. Therefore, the incremental Project operational noise level increase is considered less than significant at all receiver locations. There are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

Table 2-16 Daytime Project Operational Noise Level Increases

Receiver Location[1]	Total Project Operational Noise Level[2]	Measurement Location[3]	Reference Ambient Noise Levels[4]	Combined Project and Ambient[5]	Project Increase[6]	Increase Criteria[7]	Increase Criteria Exceeded?
R1	41.5	L1	68.1	68.1	0.0	3	No
R2	45.6	L2	58.7	58.9	0.2	5	No
R3	35.1	L4	51.9	52.0	0.1	5	No
R4	43.3	L4	51.9	52.5	0.6	5	No
R5	47.2	L4	51.9	53.2	1.3	5	No
R6	42.0	L3	66.2	66.2	0.0	3	No

[1] See Exhibit 10-A for the receiver locations.
[2] Total Project daytime operational noise levels as shown on Table 10-2.
[3] Reference noise level measurement locations as shown on Exhibit 5-A.
[4] Observed daytime ambient noise levels as shown on Table 5-1.
[5] Represents the combined ambient conditions plus the Project activities.
[6] The noise level increase expected with the addition of the proposed Project activities.
[7] Significance increase criteria as shown on Table 4-1.

Source: (Urban Crossroads, 2024c, Table 10-5)

Table 2-17 Nighttime Operational Noise Level Increases

Receiver Location[1]	Total Project Operational Noise Level[2]	Measurement Location[3]	Reference Ambient Noise Levels[4]	Combined Project and Ambient[5]	Project Increase[6]	Increase Criteria[7]	Increase Criteria Exceeded?
R1	40.0	L1	64.6	64.6	0.0	3	No
R2	44.3	L2	54.0	54.4	0.4	5	No
R3	33.0	L4	48.4	48.5	0.1	5	No
R4	40.7	L4	48.4	49.1	0.7	5	No
R5	43.8	L4	48.4	49.7	1.3	5	No
R6	39.0	L3	63.0	63.0	0.0	3	No

[1] See Exhibit 10-A for the receiver locations.
[2] Total Project nighttime operational noise levels as shown on Table 10-3.
[3] Reference noise level measurement locations as shown on Exhibit 5-A.
[4] Observed nighttime ambient noise levels as shown on Table 5-1.
[5] Represents the combined ambient conditions plus the Project activities.
[6] The noise level increase expected with the addition of the proposed Project activities.
[7] Significance increase criteria as shown on Table 4-1.

Source: (Urban Crossroads, 2024c, Table 10-6)

b. Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

Project Impact Adequately Addressed in Previous Documentation. Construction activity can result in varying degrees of ground vibration, depending on the equipment and methods used, distance to the affected structures and soil type. It is expected that ground-borne vibration from Project construction activities would cause only intermittent, localized intrusion. Ground-borne vibration levels resulting from

construction activities occurring within the Project site were estimated by data published by the Federal Transit Administration (FTA).

Typical Construction Activities

As shown in Table 2-18, *Typical Project Construction Vibration Levels*, at distances ranging from 59 to 567 feet from typical Project construction activities, vibration levels are estimated to range from less than 0.01 to 0.02 (inches per second) (in/sec) peak particle velocity (PPV). Based on maximum acceptable continuous vibration threshold of 0.04 PPV (in/sec), the typical Project construction vibration levels would satisfy the City of Murrieta threshold at all receiver locations. Additionally, the typical construction vibration levels at the nearest sensitive receiver locations are unlikely to be sustained during the entire construction period but will occur rather only during times that heavy construction equipment is operating adjacent to the Project site boundaries. Therefore, Project-related vibration impacts are considered less than significant during the typical construction activities at the Project site. There are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

Table 2-18 Typical Project Construction Vibration Levels

Receiver Location[1]	Distance to Const. Activity (Feet)[2]	Typical Construction Vibration Levels PPV (in/sec)[3]					Thresholds PPV (in/sec)[4]	Thresholds Exceeded?[5]
		Small bulldozer	Jack-hammer	Loaded Trucks	Large Bulldozer	Highest Vibration Level		
R1	130'	0.00	0.00	0.01	0.01	0.01	0.04	No
R2	59'	0.00	0.01	0.02	0.02	0.02	0.04	No
R3	64'	0.00	0.01	0.02	0.02	0.02	0.04	No
R4	114'	0.00	0.00	0.01	0.01	0.01	0.04	No
R5	137'	0.00	0.00	0.01	0.01	0.01	0.04	No
R6	567'	0.00	0.00	0.00	0.00	0.00	0.04	No

[1] Construction receiver locations are shown on Exhibit 11-A of the NIA.
[2] Distance from receiver location to Project construction boundary.
[3] Based on the Vibration Source Levels of Construction Equipment (Table 11-4 of the NIA).
[4] City of Murrieta Municipal Code, Section 16.30.130 (K) (Appendix 3.1 of the NIA)
[5] Does the peak vibration exceed the acceptable vibration thresholds?
"PPV" = Peak Particle Velocity
Source: (Urban Crossroads, 2024c, Table 11-5)

c. For a project located within the vicinity of a private airstrip or an airport land use land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. The Project site is located approximately 2.3 miles northwest of the French Valley Airport. Based on review of Map FV-3, Future Noise Impacts, of the French Valley ALUCP, the Project is not within

an area that would be exposed to noise levels exceeding 55 dBA CNEL (ALUC, 2012). Therefore, development at the Project site would not result in exposure of people residing or working in the area to excessive noise levels. Impacts would be less than significant. No impact would occur.

2.14 Population and Housing

2.14.1 Summary of Previous Environmental Analysis

The analysis of impacts related to population and housing was addressed in Section 5.2, Population, Employment, and Housing, of the 2011 EIR. The 2011 EIR determined that buildout of the General Plan 2035 would include approximately 44,484 dwelling units and an associated population projection of 133,452 persons. The non-residential land use development potential was estimated at approximately 50.2 million square feet with an employment projection of approximately 130,153 jobs, which was determined to be generally consistent with SCAG's growth forecasts. The 2011 EIR concluded that the implementation of the General Plan 2035 would result in less than significant impacts on population and housing. Cumulative population and housing impacts were also determined to be less than significant, and no mitigation measures are required.

The 2020 SEIR concluded that while the proposed Project would increase the number of dwelling units by 1,572, there would also be a reduction of 2,405,601 square feet of non-residential Innovation uses. As such, the growth forecast between the prior 2011 General Plan and the proposed General Plan Update was found to be relatively consistent and the City determined that the changes to the General Plan were not likely to induce a substantial population growth from that which was analyzed in the 2011 EIR.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.14.2 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:					
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☒	☐	☐	☐

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b) Displace substantial numbers of people or existing housing, necessitating the construction of replacement housing elsewhere?	☐	☒	☐	☐	☐

a. Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

Project Impact Adequately Addressed in Previous Documentation. In 2023, the California Department of Finance (DOF) estimated the population in the City of Murrieta to be 109,998 individuals, representing approximately 4.5% of the population in Riverside County (2,439,234 residents) (DOF, 2023). SCAG estimates that there were 34,498 existing households in the City in 2018, representing approximately 4.7% of the estimated households in Riverside County (729,920 households) in 2018 (SCAG, 2019).

The Project includes development of 243 dwelling units. Assuming 3.0 person per unit, it is estimated that up to 729 persons could reside at the Project site, compared to 1,551 persons assumed based on the maximum density permitted on-site (30 du/ac) by the General Plan (City of Murrieta, 2020a). Therefore, the Project would not result in substantial unplanned population growth that was not already anticipated by the City in the General Plan, resulting in a less than significant impact.

The Project would involve the installation of utilities necessary to connect to existing infrastructure systems adjacent to or in the vicinity of the Project site and would involve improvements to adjacent roadways, consistent with General Plan. The infrastructure and roadway improvements would serve planned development and would not induce unplanned growth. Therefore, the Project would not induce substantial indirect unplanned population growth in the area.

The Project would create short-term jobs during Project construction phases. These short-term positions would be filled by workers who, for the most part, would already reside in the local area; therefore, construction of the Project would not generate a substantial temporary or permanent increase in population within the Project area.

The Southern California Association of Governments (SCAG) is the metropolitan planning organization responsible for developing and adopting regional housing, population, and employment growth forecasts for local governments from Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura counties. SCAG's Connect SoCal, adopted in September 2020, is the 2020-2045 RTP/SCS, and includes a Demographics and Growth Forecast technical report, which helps coordinate regional planning, employment, and housing development strategies in Southern California. The demographic and growth

forecasts presented in Connect SoCal are the currently adopted population, housing and employment forecasts for the six-county region, and reflect recent and past trends, key demographic and economic assumptions, and local, regional, state, and national policy. As part of the development of the forecast, SCAG coordinates with local jurisdictions, including the City of Murrieta, to understand each community's vision for the future so that it can be integrated into the outlook for the future of the region. As presented in the Connect SoCal Demographic and Growth Forecast technical report, SCAG estimates that the City of Murrieta will have a population of 127,700 individuals by 2045, and 42,300 households. Therefore, the estimated increase in population and dwelling units resulting from the Project (729 individuals and 243 units) is well within the growth forecast by SCAG for the City of Murrieta by 2045 as well as consistent with the General Plan. Therefore, the Project is not anticipated to induce substantial unplanned direct population growth in the region, resulting in a less than significant impact, consistent with the conclusion of the General Plan EIRs, and there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

b. Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

Project Impact Adequately Addressed in Previous Documentation. The Project site contains two existing residences in the eastern half of the site and the western half of the site is undeveloped. Although implementation of the Project would result in the demolition of the two existing residences, the Project would increase housing on-site with development of 243 dwelling units. Therefore, the Project would not displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere. Impacts would be less than significant, consistent with the conclusion of the General Plan EIRs, and there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs..

2.15 Public Services

2.15.1 Summary of Previous Environmental Analysis

Section 5.17 of the 2011 EIR addressed impacts on fire protection service due to the implementation of the General Plan 2035. The 2011 EIR concluded that the General Plan 2035 and associated increase in population would result in an increase fire protection service demand that may require an additional Truck Company and staffing. However, future development would be required to comply with all applicable fire code and ordinance requirements for construction, access, water mains, fire flows, and hydrants, as well as General Plan 2035 goals and policies identified in the Safety Element. The 2011 EIR indicated that the Murrieta Fire & Rescue is independently funded; however capital improvements are also funded through Development Impact Fees and special Development Agreement fees. Individual projects would be reviewed by the Murrieta Fire & Rescue to determine the specific fire requirements applicable to the specific development and to ensure compliance with these requirements. This would ensure that new developments would not reduce the staffing, response times, or existing service levels within the City; thus, the construction of new or expanded fire protection facilities would not be required. The Murrieta

Fire & Rescue requires development, as part of a project's conditions of approval, to install Class A roofing, noncombustible siding, and/or 100-foot fuel buffer zones to protect communities form wildland/urban interface fires. Additionally, mitigation (General Plan EIR MMRP mitigation measures MM FP-1 through FP-4) would be incorporated to reduce impacts on fire protection services. The 2011 EIR concluded that impacts on fire protection services would be less than significant with mitigation and the construction of new or expanded fire protection facilities is not required.

The 2020 SEIR provided analysis of wildfire impacts for the General Plan Update in Section 4.5, Wildfire. Potential impacts related to wildfire are discussed in Section 2.20 below. With respect to Public Services related to fire impacts, the 2020 SEIR determined that the General Plan Update did not change the potential impacts discussed in the 2011 EIR for fire protection services and that future development could result in the development of the same vacant and underutilized land analyzed in the 2011 EIR. Although the General Plan Update would allow for an increase in residential uses, it also encompasses a decrease in allowable non-residential uses. Further, implementation would be realized through the review of individual development projects by the City for project-specific impacts during any required environmental review. Therefore, no new or substantially greater impacts would occur when compared to the impacts identified in the 2011 EIR and the level of impact (less than significant) would remain unchanged from that cited in the 2011 EIR. No new mitigation measures were identified.

Section 5.18 of the 2011 EIR addressed impacts on police protection services due to the implementation of the General Plan 2035. The 2011 EIR determined that the General Plan 2035 build out would occur over a 25-year period and the Murrieta Police Department would effectively plan for increases in population and police protection service demand. Future development pursuant to the General Plan 2035 would be subject to compliance with the applicable goals and policies identified in the General Plan 2035 and would be required to pay development impact fees (DIFs), which are collected to offset service demand increases. The 2011 EIR concluded that impacts on police protection services would be less than significant and the construction of new or expansion of police protection facilities would not be required. With respect to police protection services, the 2020 SEIR concluded that no service shortfall requiring additional police personnel or equipment is anticipated as a result of the implementation of the General Plan Update and no mitigation beyond the goals and policies identified in the General Plan 2035 are required. therefore, no new or substantially greater impacts would occur with implementation of the General Plan Update when compared to those identified in the 2011 EIR, and the level of impact (less than significant) remained unchanged. No mitigation measures were required.

Section 5.19 of the 2011 EIR addressed impacts on school facilities due to the General Plan 2035. The City is within the service areas of four public school districts: Murrieta Valley Unified School District (MVUSD), Menifee Union School District (MUSD), Perris Union High School District (PUHSD), and Hemet Unified School District (HUSD). The 2011 EIR determined that based on plans for school facilities in the MVUSD, MUSD, PUHSD, HUSD, prior approved bonds, and collection of DIFs on a case-by-case basis (refer to General Plan EIR MMRP mitigation measure MM SCH-1), school facility impacts would be less than significant. As with fire and police services, the 2020 SEIR concluded that no new or substantially greater impacts would occur with implementation of the General Plan Update when compared to those identified in the 2011 EIR and the level of impact (less than significant) remains unchanged from that cited in the 2011 EIR. No new mitigation measures were identified.

Cumulative impacts related to public services were determined to be less than significant in the 2011 EIR and 2020 SEIR.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.15.2 Applicable General Plan EIR Mitigation Measures Incorporated to the Project

The following applicable mitigation measures from the General Plan EIR MMRP are incorporated into the Project and will be included in the MMRP for the Project.

FP-1 The Murrieta Fire Department shall review future development projects to determine if a Fuel Modification Plan is required. If required, project applicants shall prepare the Fuel Modification Plan in accordance with Fire Department requirements prior to the issuance of a grading or building permit.

FP-2 Brush clearance shall be conducted prior to initiation of construction activities in accordance with Murrieta Fire Department requirements.

FP-3 Adequate access to all buildings on the project site shall be provided for emergency vehicles during the building construction process.

FP-4 Adequate water availability shall be provided to service construction activities.

SCH-1 Prior to the issuance of certificate of occupancy, individual project applicants shall submit evidence to the City of Murrieta that legally required school impact mitigation fees have been paid per the mitigation established by the applicable school district.

2.15.3 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:					
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities, need for new or physically altered government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:					
Fire protection?	☐	☒	☐	☐	☐
Police protection?	☐	☒	☐	☐	☐
Schools?	☐	☒	☐	☐	☐
Parks?	☐	☒	☐	☐	☐
Other public facilities?	☐	☒	☐	☐	☐

a. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities, need for new or physically altered

government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services: i) Fire protection; ii) Police protection; iii) Schools; or iv) Other public facilities?

a.i) Project Impact Adequately Addressed in Previous Documentation. The Project site is located within the Murietta Fire and Rescue (MFR) response area, which includes the corporate limits of the city of Murietta. MFR Station 4, located at 28155 Baxter Road, is staffed 24-hours per day/7 days per week with career firefighters and would provide initial response. It is equipped with one engine company, a brush engine and Battalion Chief. Station 4 would be capable of responding within 3.2 minutes. Secondary response would be provided from MFR Station 2, which is located at 40060 California Oaks Road, and can respond within 6 minutes. Station 2 is staffed 24-hours per day and houses a Truck and Medic Patrol unit. (Dudek, 2023)

Construction activities associated with the Project would not increase the demand for fire protection services such that new or expanded fire protection facilities would be required. However, increased demands for fire protection and emergency services would result from implementation of the anticipated residential uses at the Project site, which would be consistent with development anticipated in the General Plan. Based on the anticipated amount and type of future use, the Project would increase the typical number and range of service calls by Murrieta Fire & Rescue, including structural fires; emergency medical and rescue services; and Community safety, awareness, and outreach activities. The level of service demand for the Project would result in an incremental increase in overall call volume, but the incremental increase is considered minor and is not anticipated to impact the existing fire stations to a point that they cannot meet the demand.

Additionally, proposed roadways and infrastructure to be installed with implementation of the Project would be required to comply with all applicable fire code and ordinance requirements for construction, access, water mains, fire flows, and hydrants, as well as General Plan goals and policies identified in the Safety Element. Further, the Project site would be provided with adequate water pressure in order to supply sufficient fire flows and pressure for on-site fire hydrants and interior sprinkler systems. Additionally, in accordance with MMC Chapter 16.36, *Public Facilities/Infrastructure Mitigation*, the Project would be required to pay a public facilities DIF, which would fund public facilities in the City.

The Project does not propose any new fire protection facilities and would not result in the need for new or physically altered fire protection facilities other than as already described by the General Plan. Therefore, no physical environmental impacts would result. There are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs. No additional mitigation measures are required.

a.ii) Project Impact Adequately Addressed in Previous Documentation. Murrieta Police Department would provide police protection services to the Project. The Murrieta Police Department headquarters is located at 2 Town Square, approximately 5.0 roadway miles southwest of the Project site. Murrieta Police

Department is comprised of 106 sworn police officers, 35 dispatchers, 25 professional staff, and 30 volunteers and explorers (City of Murrieta, 2023).

Anticipated crime and safety issues during construction at the Project site include theft of building materials and construction equipment, malicious mischief, graffiti, and general vandalism. During operation of anticipated development, the Project could create the typical range of police service calls that other similar uses in the City experience. The primary types of crimes experienced in residential areas are property crimes (e.g., burglary, larceny, theft/auto theft, arson, shoplifting, vandalism). In addition to property crimes, "crimes against persons" are typically associated with residential uses. These include, but are not limited to, assault, battery, domestic violence, sexual and child abuse, and robberies.

Residents, visitors, and other individuals that would come to the Project site would have to comply with the regulations in the MMC and the California Penal and Vehicle Codes, as monitored and enforced by the Murrieta Police Department. However, based on the anticipated land use, and the increase in calls for service in the area compared to existing conditions, implementation of the Project would require additional police protection services. As individual projects are proposed in the City, the Murrieta Police Department service levels and staffing requirements are evaluated to determine if additional staffing and/or facilities would be required. The Murrieta Police Department would ultimately determine the timing and number of new officers hired as part of its standard staffing practices based on the amount and type of land uses ultimately developed. Future development would be required to be in substantial conformance with applicable General Plan goals and policies related to safety and police protection and comply with MMC Chapter 16.36 regarding the payment of DIFs for public facilities.

The Project does not propose any new police protection facilities and would not result in the need for new or physically altered police protection facilities. Therefore, no physical environmental impacts would result. There are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs. No additional mitigation measures are required.

a.iii) Project Impact Adequately Addressed in Previous Documentation. The Project site is within the Murrieta Valley Unified School District (MVUSD). Construction activities associated with Project would not result in an increase in population or associated increase in the demand for school services such that new or expanded school facilities would be required.

Impacts to school services are primarily driven by increases in permanent population; therefore, student generation is estimated based on the number of proposed residential units. It is anticipated that future development at the Project site would involve up to 243 dwelling units. Using the student generation rate from the General Plan, it is estimated the Project would generate approximately 438 new students in the MVUSD. It is anticipated that existing and planned schools in the area would accommodate future growth of students from the Project.

Senate Bill (SB) 50, adopted in 1998, limits the power of cities and counties to require mitigation of school facilities impacts as a condition of approving new development. It also authorizes school districts to levy statutory developer fees. California Education Code 17620 establishes the authority of any school district to levy a fee, charge, dedication, or other requirements against any development within the school district for the purposes of funding the construction of school facilities, as long as the district can show justification for the fees. Project developer(s) would be required to pay the applicable impact mitigation fees to the appropriate school district. Moreover, the developers would be required to comply with MMC Chapter 16.36.070, which addresses requirements for development projects relevant to school services.

The Project does not propose any new school facilities and would not result in the need for new or physically altered school facilities. Therefore, no physical environmental impacts would result. With implementation of General Plan EIR MMRP mitigation measure MM SCH-1 as applied to the Project, there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

a.iv) Project Impact Adequately Addressed in Previous Documentation. The Project would not result in an increase in population or associated increase in the demand for park services such that new or expanded park facilities would be required.

The City's Parks and Recreation Department oversees the park system in the City and the City has a standard of 5 acres of parkland per 1,000 residents. The anticipated future residential use and associated increase in population (estimated to be 771 residents) would increase the demand for park and recreational facilities in the City. Based on standard of 5 acres per 1,000 persons, approximately 3.86 acres of parkland would be required to serve the Project. Chapter 16.106.030 of the Murrieta Municipal Code specifies Parks and Recreation Facility dedications or fees that must be paid to the City when development occurs. Chapter 16.106.030 is written in compliance with the Quimby Act (Government Code Section 66477), which allows local agencies to establish ordinances requiring residential subdivisions to provide land or "in-lieu-of" fees for park and recreation purposes. Therefore, the parkland requirement for the Project would be met through a combination of dedication of land, provision of onsite recreational facilities, and payment of in-lieu fees. The provisions of the Quimby Act only apply to land acquisition and not park improvements. In compliance with MMC Section 16.36, the Property Owner/Developer would also pay the applicable DIF collected for the purpose of constructing, expanding or rehabilitating the park facilities.

The Project does not propose any new parks and parkland requirements would be met through the provision of land or in-lieu fees. Therefore, no physical environmental impacts would result. With compliance by the Project with the Quimby requirements, impacts would be less than significant and there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

a.v) Project Impact Adequately Addressed in Previous Documentation. The Project would not result in an increase in population or associated increased demand for library services such that new or expanded library facilities would be required.

The Murrieta Public Library, located at 8 Town Square approximately 4.0 miles southwest of the Project site, provides library services to the City. The anticipated future residential uses at the Project site and associated increase in the residential population in the City have the potential to increase the demand for library services. The Property Owner/Developer would be required to pay applicable DIFs for public facilities.

The Project does not propose any new library facilities and would not result in the need for new or physically altered library facilities. Therefore, no physical environmental impacts would result. There are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

2.16 Recreation

2.16.1 Summary of Previous Environmental Analysis

The analysis of impacts on recreational facilities was addressed in Section 5.20, Parks and Recreation Facilities, of the 2011 EIR. The 2011 EIR determined that future development pursuant to the General Plan 2035 had the potential to result in significant and unavoidable impacts on parks and recreational facilities. Per the City's adopted standards of five acres of parkland per 1,000 residents, the 2011 EIR identified a deficit of 34 acres of parkland. The 2011 EIR concluded that the increase in dwelling units would result in an increase in population that would create a new demand on current recreational infrastructure and increase the parkland deficit. Future development pursuant to the General Plan 2035 would be reviewed on an individual basis to determine the potential impact on parks and recreational facilities within the City. Additionally, the implementation of applicable General Plan 2035 goals and policies identified in the Recreation and Open Space Element would ensure the provision for new developments to mitigate impacts on parkland and recreational facilities. The payment of park facilities fees and/or dedication of parkland by future development would further reduce impacts on parks and recreational facilities. However, with the City's then-existing parkland deficiency and future growth associated with the General Plan 2035, the 2011 EIR determined impacts on recreational facilities would be significant and unavoidable. Cumulative impacts to recreational facilities were also determined to be significant and unavoidable.

The 2020 SEIR concluded that future development pursuant to the proposed General Plan Update could result in the development of the same vacant and underutilized land analyzed in the 2011 EIR and due to the increase in residential density under the update, would increase the demand for residential resources, including parkland and recreational facilities. However, the 2020 SEIR concluded that future development pursuant to the proposed General Plan Update would continue to be reviewed for potential impacts on parks and recreational facilities and would further be required to comply with applicable federal, state, and local regulations, relevant General Plan Update goals and policies, and mitigation measures and that

because of the existing parkland deficiency and future growth associated with the proposed Project, the proposed General Plan Update would still result in potential significant unavoidable impacts to parks and recreational facilities. Therefore, the City concluded that no new or substantially greater impacts would occur with implementation of the proposed General Plan Update when compared to those identified in the 2011 EIR and the level of impact (significant unavoidable) remains unchanged from that cited in the 2011 EIR, but remains significant and unavoidable.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.16.2 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:					
a) Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☒	☐	☐	☐
b) Include recreational facilities or require the construction of or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☒	☐	☐	☐

a. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

Project Impact Adequately Addressed in Previous Documentation. The Project would not result in an increase in population or associated increase in the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated.

The nearest park to the Project site is Los Alamos Hills Sports Park located at 37000 Ruth Ellen Drive at Hunter Road. Los Alamos Hills Sports Park is a 47.0-acre park with the following amenities: Barbecue, Bike Path, Walking Trails, Two Concession Stands, Three Football Fields, Open Grass Areas, Parking Lot, Four Diamonds for Baseball and Softball, Parking lot, Picnic Tables or Park Benches, Restrooms, Shelters, Six Soccer Fields, Community Center, Tot Lot, Playground Equipment, and Water Fountains. Additionally, the Project site is 0.8-mile south of Alderwood Park, located at 28796 Baxter Road. Alderwood Park is a 3.0-

acre park with the following amenities: Bike Path, Walking Trail, Dog Park, Mature Trees, Parking Lot, Picnic Tables or Park Benches, Shelters, and Tot Lot Playground Equipment.(City of Murrieta, 2020b). As discussed under Threshold a.iv in Section 2.15, *Public Services*, of this document, the proposed residential development at the Project site would result in an increase in the City's population and an associated in demand for park services. The Project includes development of a private 4,200 sf amenity building including a fitness center and lounge area. The Project would not substantially increase the demand for park and recreation facilities and would not increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facilities would occur or be accelerated.

The parkland requirement for the Project (approximately 3.86 acres) would be met through payment of in-lieu fees in compliance with Quimby Act. Additionally, in compliance with MMC Section 16.36, the Property Owner/Developer would pay the applicable DIF collected for the purpose of constructing, expanding or rehabilitating the park facilities. Therefore, it is anticipated that the Project would result in a less than significant impact related to the increased use and the potential for substantial physical deterioration of park and recreation facilities. However, the General Plan EIRs identified a significant and unavoidable Project-level and cumulative impact related to park and recreational facilities due to an overall deficit in parkland based on the City's estimated population and standard of 5 acres per 1,000 residents. Although development at the Project site would have fewer units than allowed by the General Plan Update, the Project would contribute to the increased demand for park and recreational facilities identified in the General Plan EIRs, but less than assumed in the General Plan EIRs due to the reduced units. Therefore, the Project would not have new impacts on recreation that were not disclosed and analyzed in the General Plan EIRs and evaluated in the Statements of Overriding Considerations adopted by the City as part of the approval of the General Plan 2035 and General Plan Update for the significant and unavoidable impacts related to park and recreational facilities. No new impact to recreation is anticipated with respect to development of the Project, there are no environmental effects that were not addressed as significant effects in General Plan EIRs and no potentially significant off-site impacts and cumulative impact which were not discussed in the General Plan EIRs and there is no new information not known at the time the 2020 SEIR was certified that could result in the Project having a more severe adverse impact than discussed in the General Plan EIRs.

b. Would the project include recreational facilities or require the construction of or expansion of recreational facilities which might have an adverse physical effect on the environment?

Project Impact Adequately Addressed in Previous Documentation. The Project would not include recreational facilities or require the construction of or expansion of recreational facilities which might have an adverse physical effect on the environment.

As identified under Threshold "a", the Property Owner/Developer would adhere to applicable requirements for the provision of parkland. Any recreational facilities included in the proposed residential development, including recreational amenities for residents, would be within the physical impact area evaluated in this document. Therefore, the physical environmental impacts associated with the construction activities for recreational facilities have been evaluated in the respective sections of this document and no additional impacts would result. The Project would not involve the construction or expansion of any offsite existing recreational facilities. The Project would not have new impacts on

recreation that were not disclosed and analyzed in the General Plan EIRs and evaluated in the Statements of Overriding Considerations adopted by the City as part of the approval of the General Plans for the significant and unavoidable impacts related to park and recreational facilities. No new physical impacts associated with development of park facilities would result beyond those identified in this document, impacts would be less than significant and there are no environmental effects that were not addressed as significant effects in General Plan EIRs and no potentially significant off-site impacts and cumulative impact which were not discussed in the General Plan EIRs and there is no new information not known at the time the 2020 SEIR was certified that could result in the Project having a more severe adverse impact than discussed in the General Plan EIRs.

2.17 Transportation

2.17.1 Summary of Previous Environmental Analysis

The analysis of impacts related to transportation was addressed in Section 5.4, Traffic and Circulation, of the 2011 EIR. The 2020 SEIR provided analysis of transportation impacts for the General Plan Update in Section 4.2, Transportation.

As with the 2011 EIR, the 2020 SEIR determined that the General Plan Update would not substantially increase hazards due to design or incompatible uses or result in inadequate emergency access; Project and cumulative impacts were determined to be less than significant.

The 2011 EIR predates the 2018 change to State law that determined that “a project's effect on automobile delay shall not constitute a significant environmental impact.” [Cal. Code Regs. tit. 14 § 15064.3,], as measured by “level of service” (LOS) and other similar metrics. Therefore, the 2011 did not include an analysis of VMT impacts (with respect to transportation) resulting from implementation of the General Plan 2035. Notwithstanding, the 2011 EIR analysis of air quality impacts identifies that an increase in job-creating businesses would allow Murrieta residents to live and work in the same community. Therefore, the amount of VMT would be substantially reduced, which correlates directly to a reduction in transportation-related air pollutant and GHG emissions, and the CAP includes several strategies and measures aimed at reducing VMT and energy consumption. The 2020 SEIR determined that the General Plan Update would result in a decrease in VMT compared to the General Plan 2035 (41.1 VMT per capita compared to 43.2 VMT per capita). Therefore, the 2020 SEIR concluded that the General Plan Update would result in less than significant Project and cumulative impacts related to VMT.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.17.2 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:					

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Conflict with an applicable program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	☐	☒	☐	☐	☐
b) Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☐	☒	☐	☐	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☒	☐	☐	☐
d) Result in inadequate emergency access?	☐	☒	☐	☐	☐

a. Would the project conflict with an applicable program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

No Impact.

City of Murrieta General Plan Circulation Element

Circulation System

The Project would pay its fair share of mitigation fees for traffic signals and offsite roadway improvements through the City of Murrieta DIF program, payment of the required WRCOG Transportation Uniform Mitigation Fee (TUMF), and fair share payments to address intersection deficiencies the Project contributes to. The Project would not conflict with policies and regulations associated with the roadway circulation system.

Alternative Modes of Transportation

Alternative modes of transportation mean any other way to commute other than driving alone. Examples include biking, walking, carpooling, and taking public transit. There are existing Class II (striped, on-road) bike lanes along Whitewood Road along the western boundary of the Project site, which provide connections to other existing and planned Class II bikeways in the area as shown on the Circulation Element Exhibit 5-4, *Trails and Bikeways*. According to the Circulation Element, Class II bicycle lanes are proposed along Whitewood Road and existing along Clinton Keith Road. The Project would implement

required bicycle and pedestrian facilities along the Project's frontage. These facilities would improve connectivity for alternative modes of transportation in the area. The Project would not conflict with policies and regulations associated with alternatives modes of transportation.

Public Transit Services

The Riverside Transit Agency (RTA) serves the City of Murrieta and provides local and regional bus service throughout Riverside County. The Project site is currently served by bus service along Clinton Keith Road. RTA Route 61 extends from the Perris Transit Center on the north to Temecula on the south, and travels along various roadways through Sun City, Quail Valley, Menifee, and Murrieta. Relevant to the Project site, RTA Route 61 runs along Clinton Keith Road immediately southwest of the Project site. Implementation of the Project would not interfere with existing transit routes, bus stops, or bus turnouts.

In summary, the Project would not conflict with a program plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities. No impact would result.

b. Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?

Project Impact Adequately Addressed in Previous Documentation. Information provided in this section was obtained from the Site-Specific *Vehicle Miles Traveled (VMT) Analysis* (VMT Analysis) prepared for the Project by Urban Crossroads (Urban Crossroads, 2023d), and included in *Technical Appendix J* of this document. Changes to the CEQA Guidelines were adopted in December 2018, which require all lead agencies to adopt VMT as a replacement for automobile delay-based level of service (LOS) as the new measure for identifying transportation impacts for land use projects. This statewide mandate went into effect July 1, 2020. To aid in this transition, the Governor's Office of Planning and Research (OPR) released a Technical Advisory on Evaluating Transportation Impacts in CEQA (December of 2018) (Technical Advisory). Based on OPR's Technical Advisory, the City of Murrieta adopted their Traffic Impact Analysis Preparation Guidelines (TIA Preparation Guidelines) in March 2021 (City of Murrieta, 2021).

Screening Criteria

The TIA Preparation Guidelines provide details on "Project Type Screening" that can be used to identify when a proposed land use project is anticipated to result in a less than significant impact without conducting a project level assessment. Projects that meet project type screening include:

- Local serving retail projects less than 50,000 square feet
- Projects generating less than 110 daily vehicle trips regardless of whether consistent with the General Plan or not. This generally corresponds to the following "typical" development potentials:
    - A residential parcel map
    - 11 single family housing units
    - 16 multi-family, condominiums, or townhouse housing units
    - 10,000 sf of office

  - 15,000 sf of light industrial
  - 63,000 sf of warehouse
  - Local-serving retail that primarily serves the City and/or adjacent cities
- Office and other employment-related land uses reducing commutes outside the local area
- Local-serving day care centers, pre-K and K-12 schools
- Local parks and civic uses
- Local-serving gas stations, banks and hotels (e.g. non-destination hotels)
- Local serving community colleges that are consistent with SCAG RTP/SCS assumptions
- Student housing projects

As shown in the trip generation table included in the VMT Analysis, the Project is anticipated to generate 1,826 daily vehicle trips and the Project's land use type is not included in the list of projects that meet the screening criteria above. Therefore, consistent with TIA Preparation Guidelines, further VMT analysis is required.

Limited VMT Analysis

As stated in the TIA Preparation Guidelines "projects not screened out using the process above shall perform a limited analysis of VMT expected to be generated by the project" (City of Murrieta, 2021). As noted in the TIA Preparation Guidelines, the results of this analysis will result in one of the following outcomes:

- VMT per service population is less than the land use assumed in the General Plan – Less than Significant VMT impact and no need for further analysis in a TIA for VMT
- VMT per service population is more than the land use assumed in the General Plan - Likely Significant VMT impact and need for full analysis in a TIA for VMT

The Project site is within an area designated in the General Plan as MFR, which allows a maximum of 30.0 du/ac. As noted previously, the Project consists of 243 dwelling units on approximately 17.26 acres, which equals 15.1 dwelling units per acre, below the 30 dwelling units per acre threshold. The zoning for the site is MF-2, which allows for a maximum of 18.0 du/ac. The Project's proposed density is consistent with the land use and zoning assumptions evaluated by the City's General Plan and Zoning Map and would not generate VMT in excess of the land uses assumed in the General Plan.

Therefore, the anticipated residential land use densities for the proposed development at the Project site are below the underlying land use assumptions in the General Plan. Therefore, the Project's VMT impact is less than significant, consistent with the conclusion of the 2020 SEIR.

c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Project Impact Adequately Addressed in Previous Documentation. Access to the Project site would be provided from Whitewood Road and Arendt Lane. Project access would be constructed in compliance with recommended roadway classifications and respective cross-sections in the Murrieta Circulation Element and as directed by the City. Signing/striping would be implemented in conjunction with detailed construction plans for the Project site, which would be reviewed and approved by the Department of Public Works/Engineering.

Additionally, the Project site would be developed with uses permitted under the existing land use and zoning designations. The Project would not introduce incompatible uses. Based on the foregoing analysis, the Project would not substantially increase hazards due to a geometric design feature or incompatible use. Impacts would be less than significant and there are no environmental effects that were not addressed as significant effects in General Plan EIRs and no potentially significant off-site impacts and cumulative impact which were not discussed in the General Plan EIRs and there is no new information not known at the time the 2020 SEIR was certified that could result in the Project having a more severe adverse impact than discussed in the General Plan EIRs.

d. Would the project result in inadequate emergency access?

Project Impact Adequately Addressed in Previous Documentation. Vehicular and emergency access to the Project site would be provided from existing and proposed roadways constructed in compliance with recommended roadway classifications and respective cross-sections in the Murrieta Circulation Element and as directed by the City.

The roadway improvements implemented as part of the Project would improve overall access in the Project area. Consistent with Circulation Element Policy CIR-2.14, the existing and proposed roadways would ensure that safe and efficient access for emergency vehicles is provided. Furthermore, the Project's development plans were reviewed by the Fire Department for emergency access. Therefore, the Project is not anticipated to result in inadequate emergency access. Impacts would be less than significant and there are no environmental effects that were not addressed as significant effects in General Plan EIRs and no potentially significant off-site impacts and cumulative impact which were not discussed in the General Plan EIRs and there is no new information not known at the time the 2020 SEIR was certified that could result in the Project having a more severe adverse impact than discussed in the General Plan EIRs.

2.18 Tribal Cultural Resources

2.18.1 Summary of Previous Environmental Analysis

See Section 2.5, Cultural Resources, of this document for a summary of the prior analyses from the 2011 EIR and 2020 SEIR, which included analysis of resources Tribal concern. The 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.18.2 Applicable General Plan EIR Mitigation Measures Incorporated into the Project

See Section 2.5, *Cultural Resources*, which identifies General Plan EIR MMRP mitigation measures incorporated into this document.

2.18.3 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defines in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is					
a) Listed or eligible for listing in the California Register of Historical resources or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?	☐	☒	☐	☐	☐
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code section 5024.1. In applying for the criteria set forth in (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?	☐	☒	☐	☐	☐

a. Listed or eligible for listing in the California Register of Historical resources or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?

b. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code section 5024.1. In applying for the criteria set forth in (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe

Project Impact Adequately Addressed in Previous Documentation. As previously mentioned, the Project Archaeologist performed the cultural resources survey of the northwestern, northeastern, and southeastern parcels on January 13, 2022, and of the southwestern parcel on September 29, 2022. No previously recorded cultural resources were identified within the Project area. Recon identified two previously unrecorded cultural resources (10041-ISO-01 and 10041.1NDY-01) within the 17.26-acre Project area during the field survey. These resources are discussed above in Section 2.5, *Cultural Resources*. The previously unrecorded cultural resources are not listed or eligible for listing in the California Register of Historic resources or in a local register of historic resources as defined in PRC section 4020.1(k)Additionally, as a result of AB 52 tribal consultation with the Pechanga Band of Luiseño Indians, three potential cultural reburial sites totaling 1,775 s.f. were identified near the northern boundary of the Project site, in the event cultural resources are found during construction.

At the request of the Pechanga Band of Luiseño Indians, are required by PCOA CUL-10, the potential cultural reburial sites located on the Project site would be avoided by Project development and preserved as part of Project site design. Additionally, as required by PCOA CUL-9, the Project shall comply with all requirements for the avoidance and treatment of Tribal Cultural Resources and incorporate the utilization of controlled grading techniques and relocation of resources as provided under Confidential Exhibits, Figure 1, "*Relocation Area*," and Figure 2, "*Control Grading Area*."

Applicable General Plan EIR Mitigation Measures as outlined in Section 2.5 are incorporated into the Project. Additionally, the Project would be subject to the PCOAs described in Section 2.5. Following compliance with State regulations and with implementation of General Plan EIR MMRP MM CR-1 through MM CR-3, and PCOA-CUL-1 through PCOA-CUL-10, there are no peculiar effects with respect to Tribal Cultural Resources not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs. No new mitigation is required.

2.19 Utilities and Service Systems

2.19.1 Summary of Previous Environmental Analysis

Section 5.15 of the 2011 EIR evaluated impacts to water supplies and distribution systems that could result from the implementation of the General Plan 2035. The 2011 EIR determined that each of the water districts serving the City[7] would have adequate water supplies based on normal, dry, and multiple dry years and water shortage contingency plans to meet the future regional water needs through the year 2030. Future development would be reviewed by the City on a project-by-project basis to ensure adequate water supplies are available to accommodate future projects. New development would be required to pay its share of costs of infrastructure improvements necessary to accommodate development anticipated by the General Plan 2035. With adherence to the General Plan 2035 policies identified in the Conservation Element and the MMC Water Efficient Landscape Ordinance, compliance with the applicable Urban Water Management Plans, coordination between the City and water districts,

[7] Rancho California Water District (Rancho California Water District), Elsinore Valley Municipal Water District (EVMWD), Wester Municipal Water District (WMWD), and Eastern Municipal Water District (EMWD)

and water usage limits for each water district, the 2011 EIR concluded that impacts related to water supply and delivery would be less than significant and no mitigation is required.

The 2020 SEIR concluded that the potential impacts or mitigation measures related to water supply was not affected by the General Plan Update, which would allow for an increase in residential uses because the General Plan Update involved a decrease in allowable non-residential uses. Additionally, the General Plan Update would adhere to the established General Plan policies. Thus, the 2020 SEIR concluded that water supply and infrastructure impacts (less than significant) remained unchanged from that cited in the 2011 EIR and no new mitigation measures were required.

Section 5.16 of the 2011 EIR identifies the nature and location of wastewater conveyance and treatment facilities and existing related infrastructure for the City. Additionally, Section 5.16 provides an analysis of projected impacts to wastewater conveyance and treatment facilities, as well as the estimated demands that could result from the implementation of the General Plan 2035. Wastewater collection for the City is provided by the same four water districts that deliver potable water to the City; however, only RCWD and EMWD provide wastewater treatment. The 2011 EIR determined that the implementation of the General Plan 2035 had the potential to result in an increase in the City's population and businesses; thus, an overall increase in demand on the existing sewer system from increased sewage flows. Individual development would be reviewed by the City of Murrieta and the applicable water district to determine if sufficient sewer capacity exists to serve the specific development. The applicable water district would charge fees for connections to their sewage systems or increasing the strength and/or quality of wastewater attributable to a particular parcel or operation already connected. The fees would mitigate the impact of the development on the sewage system. The water districts would only allow new development to connect to their sewer systems if there is sufficient capacity or planned expansions of its facilities to accommodate new developments proposed. The 2011 EIR concluded that with the anticipated expansion of the EMWD and RCWD treatment facilities, City coordination with the water districts, implementation of the General Plan 2035 policies, and mitigation measures (General Plan EIR MMRP mitigation measures MM WW-1 through MM WW-3), impacts would be less than significant.

The 2020 SEIR concluded that the potential impacts or mitigation measures related to wastewater was not affected by the General Plan Update. While the General Plan Update would increase residential uses, the General Plan Update also included a reduction in the non-residential uses to be developed. The 2020 SEIR concluded that with City coordination with the water districts, implementation of the General Plan goal and policies, and mitigation measures (WW-1, WW-2, and WW-3) from the 2011 EIR requiring individual development projects to verify sufficient wastewater transmission and treatment plant capacity is available to serve the proposed development, impacts would remain less than significant. Thus, the 2020 SEIR concluded that wastewater impacts remained unchanged from that cited in the 2011 EIR (less than significant impacts) and no new mitigation measures were applied.

Section 5.21 of the 2011 EIR identified the potential solid waste impacts associated with the implementation of the General Plan 2035. The 2011 EIR determined that the majority of solid waste generated within the City is disposed of at the El Sobrante Landfill. Compliance with City and County waste reduction programs and policies would reduce the volume of solid waste entering landfills. Individual development projects within the City would be required to comply with applicable State and local

regulations, thus reducing the amount of landfill waste by at least 50 percent. Nonetheless, buildout associated with implementation of the General Plan 2035 would increase the volume of solid waste generated in the City that is diverted to existing landfills, thus contributing to the acceleration of landfill closures or the use of more distant sites. However, the closure dates for the various landfills range from 2013 until 2067. Combined remaining capacities at the landfills would be adequate to accommodate the buildout of the General Plan 2035. The General Plan Conservation Element includes policies that address opportunities to reduce solid waste generation and disposal within the City. Additionally, future developments resulting from the implementation of the General Plan 2035 would be reviewed on a project-by-project basis to ensure that solid waste disposal services and landfill facilities would be available to serve the development. All development projects would be required to comply with Federal, State, and local statutes and regulations related to solid waste. The 2011 EIR concluded that implementation of the General Plan 2035 would result in less than significant impacts and no mitigation is required.

The 2020 SEIR concluded that the potential impacts or mitigation measures related to solid waste was not affected by the General Plan Update. While the General Plan Update would increase residential uses, the General Plan Update included a reduction in the non-residential uses to be developed. Additionally, the combined remaining capacities at the existing landfills would be adequate to accommodate the building of the General Plan Update. Moreover, future developments resulting from the implementation of the General Plan Update would be reviewed on a project-by-project basis to ensure that solid waste disposal services and landfill facilities would be available to serve the development. All development projects would be required to comply with federal, State, and local statutes and regulations related to solid waste. Thus, the impacts resulting from the General Plan Update would be consistent with the impacts identified in the 2011 EIR and the level of impact (less than significant) remains unchanged from that cited in the 2011 EIR. No new mitigation measures were required.

Section 5.22 of the 2011 EIR evaluated potential electricity and natural gas impacts associated with implementation of the General Plan 2035. Electrical power is provided within the City of Murrieta by Southern California Edison (SCE). The City of Murrieta receives its natural gas service from Southern California Gas Company (SCG). The 2011 EIR determined that the implementation of the General Plan 2035 would result in an increased electricity demand and that SCE would be able to serve the projected buildout. It is anticipated that service demands created by implementation of the General Plan 2035 would be within the service parameters of SCE current and future transmission and service infrastructure. SCE would update existing facilities or add new facilities in the City as needed throughout the life of the General Plan 2035. Financial responsibility for any updates or additional facilities would be in accordance with SCE's rules and tariffs. All new developments that require new electricity lines to be installed would be required to pay applicable fees assessed by SCE to extend electricity lines to serve a specific project site. SCE would not provide service to new developments if there were not adequate electricity supplies and infrastructure to maintain existing service levels and meet the anticipated electricity demands of the specific development requesting service. In addition, all new construction in the State of California is subject to the energy conservation standards set forth in Title 24, Parts 6 and 11 of the California Code of Regulations. These are prescriptive standards that establish maximum energy consumption levels for the heating and cooling of new buildings. Furthermore, the General Plan 2035 includes policies related to conservation and energy efficiency in the Infrastructure and Conservation Elements. Adherence to these

building practices would reduce the demand for electricity. Therefore, the 2011 EIR determined that implementation of the General Plan 2035 would result in less than significant impacts and no mitigation is required.

The 2011 EIR determined that implementation of the General Plan 2035 would result in an increased natural gas demand and that SCG would be able to serve the projected increase. Each project would be reviewed on a case-by-case basis, which means that natural gas sources and infrastructure to serve the project(s) would be planned for well in advance of project construction. Additionally, Infrastructure and Conservation Elements policies would also be applicable to all future development projects requiring natural gas. Therefore, the 2011 EIR determined that implementation of the General Plan 2035 would result in less than significant impacts and no mitigation is required.

The 2020 SEIR concluded that the discussion of potential impacts or mitigation measures related to electric and natural gas infrastructure were not affected by the General Plan Update. While the General Plan Update would increase residential uses, the General Plan Update included a reduction in the non-residential uses to be developed. Each project would be reviewed on a case-by-case basis, and electricity and natural gas sources and infrastructure to serve future project(s) would be planned for well in advance of project construction and would be required to comply with applicable federal, State, and local regulation, and relevant General Plan goals and policies related to electricity and natural gas. Thus, impacts related to electric and natural gas infrastructure resulting from the General Plan Update would be consistent with the impacts identified in the 2011 EIR and the level of impact (less than significant) would remain unchanged from that cited in the 2011 EIR. No new mitigation measures were identified.

Cumulative impacts related to utilities and service systems were determined to be less than significant in the 2011 EIR and 2020 SEIR with the implementation of General Plan EIR MMRP mitigation measures MM WW-1 through MM WW-3.

The analyses from the 2011 EIR and 2020 SEIR are incorporated by reference in this document.

2.19.2 Applicable General Plan EIR Mitigation Measures Incorporated to the Project

The following applicable mitigation measures from the General Plan EIR MMRP are incorporated into the Project and will be included in the MMRP for the Project.

WW-1 Prior to issuance of a wastewater permit for any future development project, the Project Applicant shall pay applicable connection and/or user fees to RCWD, EVMWD, WMWD, or EMWD.

WW-2 Prior to issuance of a building permit for any future development project, the Project Applicant shall prepare an engineering study to support the adequacy of the sewer systems and submit the engineering study to the City for review and approval. Any improvements recommended in the engineering study shall be installed prior to the certificate of occupancy for the development project.

WW-3 Prior to issuance of a building permit for any future development project, the Project Applicant shall provide evidence that the RCWD, EVMWD, WMWD, or EMWD has sufficient wastewater transmission and treatment plant capacity to accept sewage flows from buildings for which building permits are being requested.

2.19.3 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:					
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☒	☐	☐	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☒	☐	☐	☐
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☒	☐	☐	☐

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☒	☐	☐	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☒	☐	☐	☐

a. Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

Project Impact Adequately Addressed in Previous Documentation. EMWD and Metropolitan provide water service to the Project site, following the Project site's annexation into the water districts, and EMWD provides sewer service to the Project site. The City owns/maintains public storm drain systems. As shown on Figure 1-13, *Conceptual Utility Plan*, the Project would include the installation of the water, sewer and storm drain lines that would serve the proposed development. The proposed utility lines would connect to existing utility infrastructure in the roadways surrounding the Project site. The proposed utility infrastructure would also be installed in accordance with the requirements of the respective utility providers.

SCE provides electricity, SCG provides natural gas, Frontier provides telecommunication, and Comcast provides cable television service to the Project site. The Project would connect to the existing dry utility infrastructure within the surrounding roadways.

The installation of the proposed infrastructure improvements would result in physical environmental impacts; however, these impacts have already been included in the analyses of construction-related effects presented throughout this document. As identified through the analysis presented in this document, with implementation of required General Plan EIR mitigation measures, the construction of infrastructure necessary to serve the Project would not result in any significant physical effects on the environment. The project would have a less than significant impact with respect to construction of new facilities to provide water, wastewater treatment or to address storm drainage and no additional mitigation measures beyond the General Plan EIR mitigation measures identified throughout this document for potential construction impacts would be required. With implementation of those mitigation measures, there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs

and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs and no additional mitigation measures are required.

b. Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

Project Impact Adequately Addressed in Previous Documentation. EMWD, using water provided by Metropolitan, would provide water to the Project site, following the Project's site annexation into the water districts. According to EMWD's 2020 Urban Water Management Plan (UWMP), EMWD's has sufficient water supply to meet demands from 2020 to 2045 under normal, historic, and multiple dry years (EMWD, 2021a). EMWD's 2020 UWMP uses general plans from jurisdictions within its service area to estimate projected water demands. Because the Project site would be developed with uses permitted under the existing General Plan land use designations, the Project site's anticipated water demand was accounted for in EMWD's 2020 UWMP. Because the UWMP demonstrates that the EMWD would have sufficient water supplies, including groundwater, to meet water demands within its district through 2045 during normal, dry, and multiple dry years, it can therefore be concluded that there would be sufficient water supplies available to serve the Project and reasonably foreseeable future development. Additionally, EMWD would provide water pressure to sufficiently serve the Project site and provide adequate on-site fire hydrants and sprinkler systems. Therefore, consistent with the conclusions of the General Plan EIRs, water supply impacts would be less than significant and there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

c. Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Project Impact Adequately Addressed in Previous Documentation. The EMWD Temecula Valley Regional Water Reclamation Facility (TVWRF) would treat wastewater generated at the Project site. Following an expansion in 2018, the TVRWRF currently has capacity to treat 23 million gallons of wastewater per day (MGD) and typically treats approximately 14 MGD (EMWD, 2021b). Located in the central commercial area of Temecula, this plant maintains only 50 million gallons of temporary on-site storage. When additional storage is required, the Temecula plant pumps reclaimed water north 10 miles to the storage ponds in Winchester. As an alternative, another pipeline can deliver recycled water to the Lake Elsinore area. The expansion project included new primary, secondary, tertiary, solids handling, and effluent pumping facilities/storage to provide 5 MGD additional total capacity. The anticipated future development at the Project site is consistent with that anticipated in the General Plan Update, and would not exceed the treatment capacity of the TVWRF, which was recently expanded to accommodate additional flows associated with projected growth. Further, as required by General Plan EIR MMRP mitigation measure MM WW-2, prior to the issuance of any building permits for future development, evidence that the EMWD has sufficient wastewater transmission and treatment plant capacity to accept sewage flows from the proposed buildings would be required. Consistent with the conclusion of the

General Plan EIRs, the project would have a less than significant impact with respect to provision of wastewater treatment and the TVWRF has the capacity to serve the Project and meet existing demands. With implementation of MM WW-2, which implements uniformly applied development policies or standards previously adopted by the city or county, there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

d. Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Project Impact Adequately Addressed in Previous Documentation. Waste Management, Inc. would provide solid waste hauling for the Project site. It is expected that solid waste generated at the Project site would be transported primarily to the El Sobrante Landfill, which has a daily permitted tonnage of 16,054 (CalRecycle, 2023). The Project would generate solid waste during construction and operation, consistent with that anticipated in the 2020 SEIR for future development implementing the General Plan Update, and would be subject to established local and state regulations related to diversion of solid waste from landfills. The Project would not generate solid waste beyond what was anticipated in the General Plan Update. Therefore, the Project would be served by a landfill with sufficient permitted capacity, and impacts would be less than significant, consistent with the conclusion of the General Plan EIRs, and there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

e. Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Project Impact Adequately Addressed in Previous Documentation. Federal, State, and local statutes and regulations regarding solid waste generation, transport, and disposal are intended to decrease solid waste generation through mandatory reductions in solid waste quantities and the safe and efficient transport of solid waste.

Construction activities associated with the Project would adhere to CALGreen Code requirements, which are implemented through the MMC Chapter 15.47, California Green Building Standards Code, and require that at least 65% of construction and demolition debris be diverted from landfills through recycling, reuse, and/or salvage.

Compliance with applicable practices enacted by the City under the California Integrated Waste Management Act of 1989 (AB 939) and any other applicable local, State, and federal solid waste management regulations is also required. AB 939 required that local jurisdictions divert at least 50% of all solid waste generated by January 1, 2000. The diversion goal has been increased to 75% by 2020 by SB 341.

The proposed residential uses at the Project site would be required to comply with all applicable solid waste statutes and regulations; therefore, no conflict with these requirements would occur. There are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

2.20 Wildfire

2.20.1 Summary of Previous Environmental Analysis

Wildfire was added in December 2018 as a topic in the Appendix G of the CEQA Guidelines. Section 5.17 of the 2011 EIR included a discussion of the regulatory setting related to fire protection in the City. The 2020 SEIR provided analysis of wildfire impacts for the General Plan Update in Section 4.5, Wildfire. The 2020 SEIR determined that City does not have defined evacuation routes; however, the City's Emergency Operations Plan (EOP) addresses the planned response to emergency situations. Future developments in the City would be subject to the City's development review process and would be required to comply with all applicable fire code and ordinance requirements for construction and access to the site. The General Plan Update includes existing and/or revised policies that are intended to identify strategies that ensure the capacity and resilience of escape routes. The 2020 SEIR concluded that the implementation of the General Plan Update would not substantially impair an adopted emergency response plan or emergency evacuation plan and impacts would be less than significant and no mitigation is required.

The 2020 SEIR determined that future development pursuant to the General Plan Update has the potential to exacerbate wildfire risks and expose individuals to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire. The General Plan Update incorporates policies that specifically address wildland fires to reduce the incidence of damage to life and property from wildfires, and incorporates mitigation measures from the General Plan EIR MMRP mitigation measures (MM FP-1 through MM FP-4) which require the preparation of fuel modification plans and sufficient water supply during construction. The 2020 SEIR concluded that with the implementation of applicable General Plan policies and mitigation measures, impacts would be less than significant.

The 2020 SEIR determined that future development pursuant to the Update would result in the development of the same land analyzed in the 2011 EIR, and could expose people or structures to risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes. Development associated with the General Plan Update would be subject to the MMC and applicable General Plan policies, including new policies in the General Plan Update to reduce wildfire related risks, and the 2020 SEIR concluded that impacts would be less than significant.

Cumulative impacts related to wildfires were determined to be less than significant with the implementation of General Plan EIR MMRP mitigation measures MM FP-1 through MM FP-4.

The analysis from the 2011 EIR is incorporated by reference in this document.

2.20.2 Applicable General Plan EIR Mitigation Measures Incorporated to the Project

Refer to General Plan EIR MMRP mitigation measures MM FP-1 through FP-4 in Section 2.15.2.

2.20.3 Project Environmental Review

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
If located in or near State responsibility areas or lands classified as very high fire hazard severity zones, would the project:					
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☒	☐	☐	☐
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☒	☐	☐	☐
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☒	☐	☐	☐
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☒	☐	☐	☐

Information provided in this section was obtained from the Project-specific Fire Protection Plan (FPP) (*Technical Appendix K*) (Dudek, 2024), prepared for the Project by Dudek.

The Project site is designated as a Very High Fire Hazard Severity Zone with a Local Responsibility Area (LRA) by the California Department of Forestry and Fire Protection (Cal Fire). Fire hazard designations are based on topography, vegetation, and weather, among other factors with more hazardous sites, including steep terrain, unmaintained fuels/vegetation, and Wildland Urban Interface (WUI) locations. Projects situated in VHFHSZ's require fire hazard analysis and the application of fire protection measures to create ignition-resistant structures and defensible communities within these WUI locations. VHFHSZ designations do not, in and of themselves, indicate that it is unsafe to build in these areas.

a. Would the project substantially impair an adopted emergency response plan or emergency evacuation plan?

Project Impact Adequately Addressed in Previous Documentation. The Project site is located within the Murietta Fire and Rescue (MFR) response area, which includes the corporate limits of the city of Murietta. MFR Station 4, located at 28155 Baxter Road, is staffed 24/7 with career firefighters and would provide initial response. It is equipped with one engine company, a brush engine and Battalion Chief. Station 4 would be capable of responding within 3.2 minutes. Secondary response would be provided from MFR Station 2, which is located at 40060 California Oaks Road, and can respond within 6 minutes. Station 2 is staffed 24-hours per day and houses a Truck and Medic Patrol unit. (Dudek, 2024)

The City of Murrieta EOP was adopted June 2017 and is the City's current emergency response plan (City of Murrieta, 2017). The City's EOP addresses the planned response to extraordinary emergencies associated with natural disasters, national security emergencies, and technological incidents. In addition, the EOP describes the City's EOC operations, the central management entity responsible for directing and coordinating the various City departments and other agencies in their emergency response activities.

The Project site is not identified as an emergency facility or serve as an emergency evacuation route. The City has no defined evacuation routes; however, the WRCOG identifies I-15 and I-215 as evacuation routes within the City. The Project does not propose any changes to the identified emergency evacuation routes. The Project would not obstruct emergency ingress/egress to and through the Project's vicinity due to road closures or other Project actions. Rather, as discussed in Section 2.17, Transportation, of this document, the Project involves the roadway improvements within and adjacent to the Project site. These roadway improvements would adhere to City roadway design standards and would serve to improve emergency access and evacuation in the area, including emergency access from MFR.

Construction activities along existing roadways may temporarily restrict vehicular traffic hazards. However, these temporary changes to the existing roadway network require the approval of the City and notification to all emergency responders. Adherence to City requirements would ensure that temporary roadway restrictions would not interfere with emergency responses.

Therefore, the Project would not substantially impair an adopted emergency response plan or emergency evacuation plan, resulting in a less than significant impact , consistent with the conclusion of the General Plan EIRs, and there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

b. Would the project due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

Project Impact Adequately Addressed in Previous Documentation. The site is fairly flat with elevations that range from approximately 1,385 amsl in the southeast corner to 1,480 feet amsl along the western boundary. The prevailing wind pattern is from the west (on-shore), but the presence of the Pacific Ocean causes a diurnal wind pattern known as the land/sea breeze system. During the day, winds are from the west–southwest (sea), and at night winds are from the northeast (land). The highest wind velocities are associated with downslope, canyon, and Santa Ana winds. Wildfire behavior on the Project site is expected to be primarily of moderate to high intensity through the non-maintained surface grass-shrub/shrub-chaparral dominated fuels directly adjacent to the Project site. The most common type of fire anticipated in the vicinity of the Project Area is a wind-driven fire from the north/northeast, moving through the chaparral and sage scrub on the adjacent lands.

As required by General Plan EIR MMRP mitigation measures MM FP-1 and MM FP-2, a Fuel Modification Plan was prepared for the Project site. The Project's buildings would also be designed in compliance with applicable provisions of the California Building Code and local and State fire code requirements, including provision of fire hydrants, fire flow requirements, street/aerial access for emergency vehicles, and sprinkler systems within the proposed buildings.

With implementation of the FPP (*Technical Appendix K*) required by General Plan MMRP mitigation measure MM FP-1, the Project would be designed with the latest fire protection measures, including fuel modification along the perimeter edges of the development. As discussed in the FPP, the structures along the northern portion of the Project site cannot achieve the required 100 feet of FMZ due to lot constraints and boundary limitations. While the FMZs for the Project cannot achieve the required 100 feet of FMZ, the FPP identified Project design features that would adequately reduce potential impacts due to wildfires. The Project would be designed to include the following alternative FMZ compliance features:

- Application of Chapter 7A of the California Building Code, ignition resistant requirements along with applicable sections of the 2022 CRC, including Section R302, subsection 302.2.2.
- Minimum 1-hour rated exterior walls and doors.
- Multi-pane glazing with a minimum of one tempered pane, fire-resistance rating of not less than 20 minutes when tested according to NFPA 257, or be tested to meet the performance requirements of State Fire Marshal Standard 12-7A-2. For structures located along the northern edge of the property unable to achieve the full 100 feet of FMZs, dual pane dual tempered glass windows will be installed on exposed sides of residential structures.
- Ember resistant vents (recommend BrandGuard or similar vents).
- Installation of an NFPA 13D, automatic residential interior fire sprinkler system within each individual townhouse unit to code for occupancy type.

- Low home ignitability, including construction materials and 10 meters of vegetation modification.
- Non-combustible, heat-deflecting wall 6 feet in height along the northern Project boundary.

Refer to the Project-specific FPP (*Appendix K*) for a detailed discussion on proposed FMZs and Project Design Features.

The potential for off-site wildfire encroaching on, or showering embers on the site is considered moderate to high, but the risk of ignition from such encroachments or ember showers is considered low based on the type of ignition resistant landscapes and construction and fire protection features that would be provided for the structures. The Project would include a robust fire protection system, as detailed in the Project's FPP (*Technical Appendix K*). In addition, the FPP describes additional measures that would be implemented to mitigate the non-conforming fire-related threats and reduce fuel modification zone. The mitigation measures include fire safety requirements related to fire apparatus access, ignition resistant construction, fire protection systems, infrastructure and fire protection systems, defensible space and vegetation management, and a wildfire education program. The mitigation measures would support the ability of the proposed structures throughout the development and FMZs to withstand the predicted short duration, moderate to high-intensity wildfire, and ember shower that would be expected from a wildfire burning in the vicinity of the site or within the site's landscape. Therefore, the Project would not expose Project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire and impacts would be less than significant after implementation of General Plan EIR MMRP MM FP-1 through FP-4 and PCOA-WF-1. Therefore, there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

c. Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

Project Impact Adequately Addressed in Previous Documentation. The Project would be designed to comply with applicable portions of the Murrieta Fire Prevention Standards. In addition, the Project would be consistent with the 2019 edition of the California Building Code (CBC), Chapter 7A (or current edition at the time of construction); 2019 edition of the California Fire Code (CFC), Chapter 49 (or current edition at the time of construction); and the 2018 edition of the International Fire Code (IFC) as adopted and amended by MFR Municipal Code (Chapter 15.24 Fire Code). The Project would meet all applicable fire and building code requirements for buildings in these higher fire hazard areas or meet the intent of the code through the application of Project site-specific fire protection measures, as detailed in the Project's FPP. The Project would not require the installation or maintenance of any associated infrastructure that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment.

Therefore, installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) would not exacerbate fire risk or result in temporary or ongoing impacts to the environment. Impacts would be less than significant after mitigation. There would not be any environmental impacts associated with the operation of onsite roadways and utility

infrastructure required for fire protection services. Therefore, similar to the conclusions of the 2020 SEIR, impacts would be less than significant and there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

d. Would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

Project Impact Adequately Addressed in Previous Documentation. The Project site occurs in a portion of Murrieta that does not contain prominent hill formations or other topographic features that could subject the Project site or surrounding areas to risks associated with flooding or landslides caused by wildfires. Additionally, as previously discussed in Section 2.10, Hydrology and Water Quality, the Project would not substantially alter the site's existing drainage pattern, and the site's existing infrastructure would have the capacity to accommodate the Project's total runoff flow to prevent the potential of flooding hazards downstream. Accordingly, there are no components of the Project that could contribute to or cause significant risks to people or structures as a result of fire related flooding or landslides resulting from runoff, post-fire slope instability, or drainage changes. As such, impacts would be less than significant, consistent with the conclusions of the 2020 SEIR and there are no peculiar effects not addressed in the General Plan EIRs, no significant environmental effects of the Project that have not been "adequately addressed" in the General Plan EIRs and no new information not known at the time the 2020 SEIR was certified that shows that the Project's effects will be more significant than described in the General Plan EIRs.

Project Conditions of Approval

Although the following PCOAs pertaining to fuel modification were not included in the General Plan EIR MMRP, the General Plan EIRs acknowledge that a fuel modification plan may be needed, and the General Plan Update includes various goals and policies related to wildfire. The City routinely requires fuel modification conditions of approval for any new development within the City on properties where a fuel modification plan is needed. As such, the following PCOAs comprise conditions of approval that are routinely applied by the City to new development projects to ensure compliance with local, State, and federal regulations.

PCOA WF-1 The Project would be designed to include the following alternative FMZ compliance features:

a. Application of Chapter 7A of the 2022 California Building Code, ignition resistant requirements.

b. Minimum 1-hour rated exterior walls and doors.

c. Multi-pane glazing with a minimum of one tempered pane. For structures located along the northern edge of the property unable to achieve the full 100 feet of FMZs,

dual-pane dual-tempered glass windows will be installed on the exposed sides of residential structures.

d. Ember-resistant vents.

e. Automatic, interior fire sprinkler system to code for occupancy type.

f. Low home ignitability, including construction materials and 10 meters of vegetation modification.

g. Non-combustible, concrete masonry unit (CMU)heat-deflecting wall 6 feet in height (lower 1 to 2 feet block wall and upper 4 to 5 feet dual pane, one pane tempered glazing or a six-foot high CMU block wall) along the northern edge of the property where 100 feet of fuel modification is not feasible.

PCOA-WF-2 Prior to issuance of buildings permits, the City of Murrieta Building and Safety Division shall confirm wildland/on-site open space area exposed sides of the structures along the northern side and in the northwest portion of the Project site, respectively, include 5/8-inch Type X fire rated gypsum sheathing applied behind the exterior covering or cladding (stucco or exterior siding) on the exterior side of the framing, from the foundation to the roof. This requirement shall apply for facades facing the open space and naturally vegetated areas.

2.21 Mandatory Findings of Significance

Environmental Issue Areas Examined	Potentially Significant Impact	Project Impact Adequately Addressed in Previous Documentation	Less Than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
Would the project:					
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major period of California history or prehistory?	☐	☒	☐	☐	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☒	☐	☐	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☐	☐

a. Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major period of California history or prehistory?

Project Impact Adequately Addressed in Previous Documentation. As discussed in Section 2.4, Section 2.5, and Section 2.18 impacts to biological resources, cultural resources, and tribal cultural resources would be less than significant with incorporation of General Plan EIR MMRP mitigation measures, and PCOAs. As indicated throughout the analysis in this document, assuming the incorporation of General Plan EIR MMRP mitigation measures and the PCOAs identified herein, the implementation of the Project would not substantially degrade the quality of the environment, substantially reduce the habitat of fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, or reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory. Therefore, with the incorporation of mitigation, the Project's impacts would be less than significant.

b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)

Project Impact Adequately Addressed in Previous Documentation. Based on the analysis presented in this document, Project-level impacts would be mitigated to a level less than significant and would not be cumulatively considerable. The General Plan EIRs identified a significant and unavoidable Project-level and cumulative impact related to park and recreational facilities due to an overall deficit in parkland based on the City's estimated population and standard of 5 acres per 1,000 residents. As further discussed in Section 2.16 above, the parkland requirement for the Project (approximately 3.86 acres) would be met through payment of in-lieu fees in compliance with Quimby Act. Additionally, in compliance with MMC Section 16.36, the Property Owner/Developer would pay the applicable DIF collected for the purpose of constructing, expanding or rehabilitating the park facilities. Therefore, it is anticipated that the Project would result in a less than significant impact related to the need to provide new or expanded park and recreational facilities, and the potential for substantial physical deterioration of park and recreation facilities. However, although future development at the Project site is expected to have fewer units than allowed by the General Plan Update for development at the site and would mitigate the impacts of the Project to a less than significant level, the future development would contribute to the cumulative increased demand for park and recreational facilities identified in the General Plan EIRs. This impact was adequately addressed in the General Plan EIRs and Statements of Overriding Considerations were adopted by the City as part of the approval of the General Plans for the significant and unavoidable cumulative impacts related to park and recreational facilities. Therefore, cumulative impacts of the Project have been previously considered and addressed by the City in connection with its adoption of the 2035 General Plan and General Plan Update.

c. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Project Impact Adequately Addressed in Previous Documentation. With development of the Project site, the Project could create environmental effects that would directly or indirectly cause adverse effects on human beings. These impacts include, but are not limited to, noise, air quality, geology, hazards, hydrology and water quality, and wildfire. As described in detail in this document, adherence to General Plan policies, implementation of applicable mitigation measures, and Project conditions of approval, impacts would be less than significant. No significant and unavoidable impacts on human beings would occur with the Project.

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4.0 Preparers

City of Murrieta (Lead Agency)

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Finance and Asset Management Committee

117th Fringe Area Annexation to EMWD and Metropolitan

Item 7-7

February 11, 2025

Annexation Overview

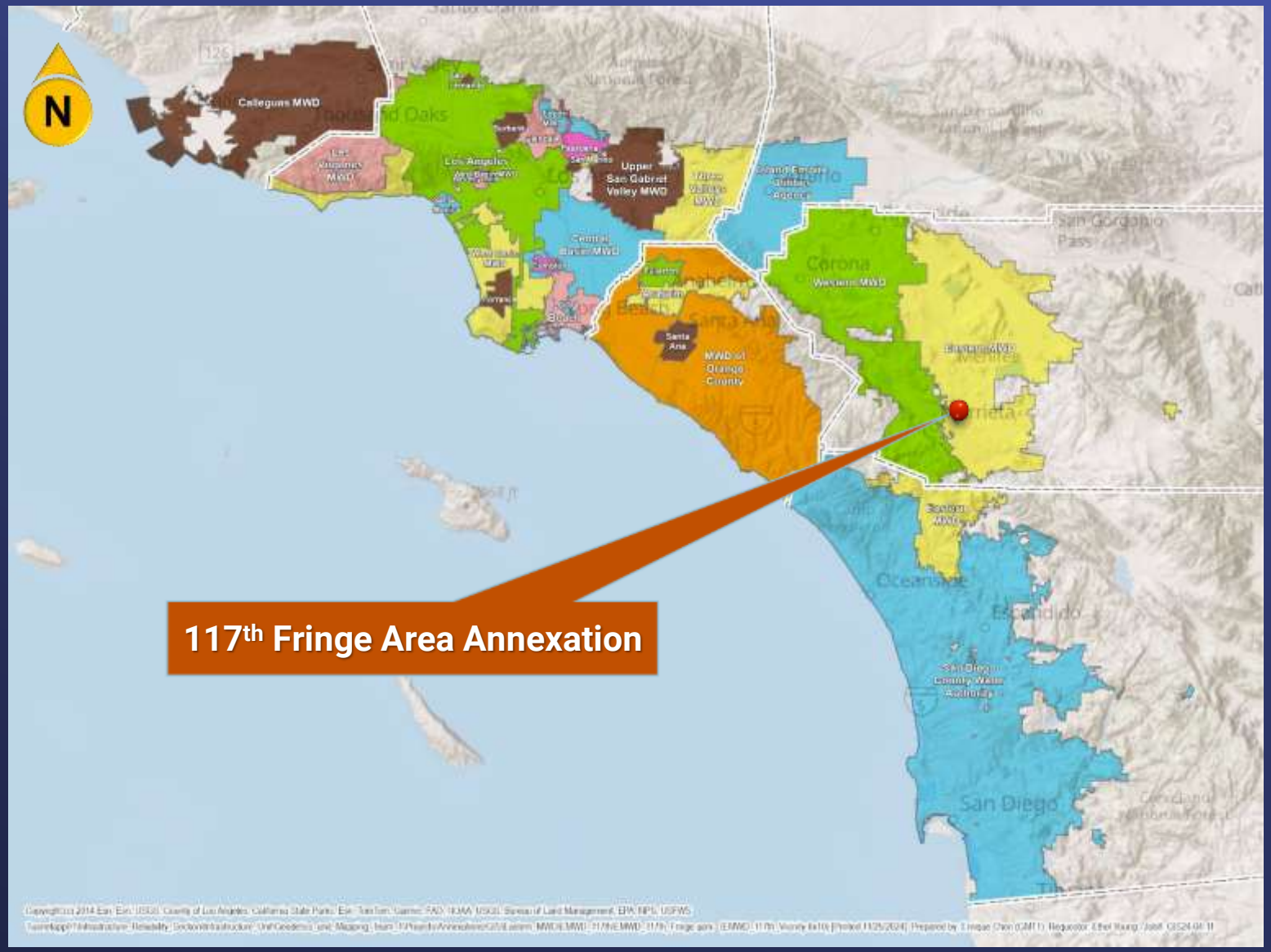
Subject

- Review and consider the Lead Agency's certified Final Environmental Impact Report and Initial Study and take related CEQA actions, and adopt resolution for 117th Fringe Area Annexation to Eastern Municipal Water District and Metropolitan

Purpose

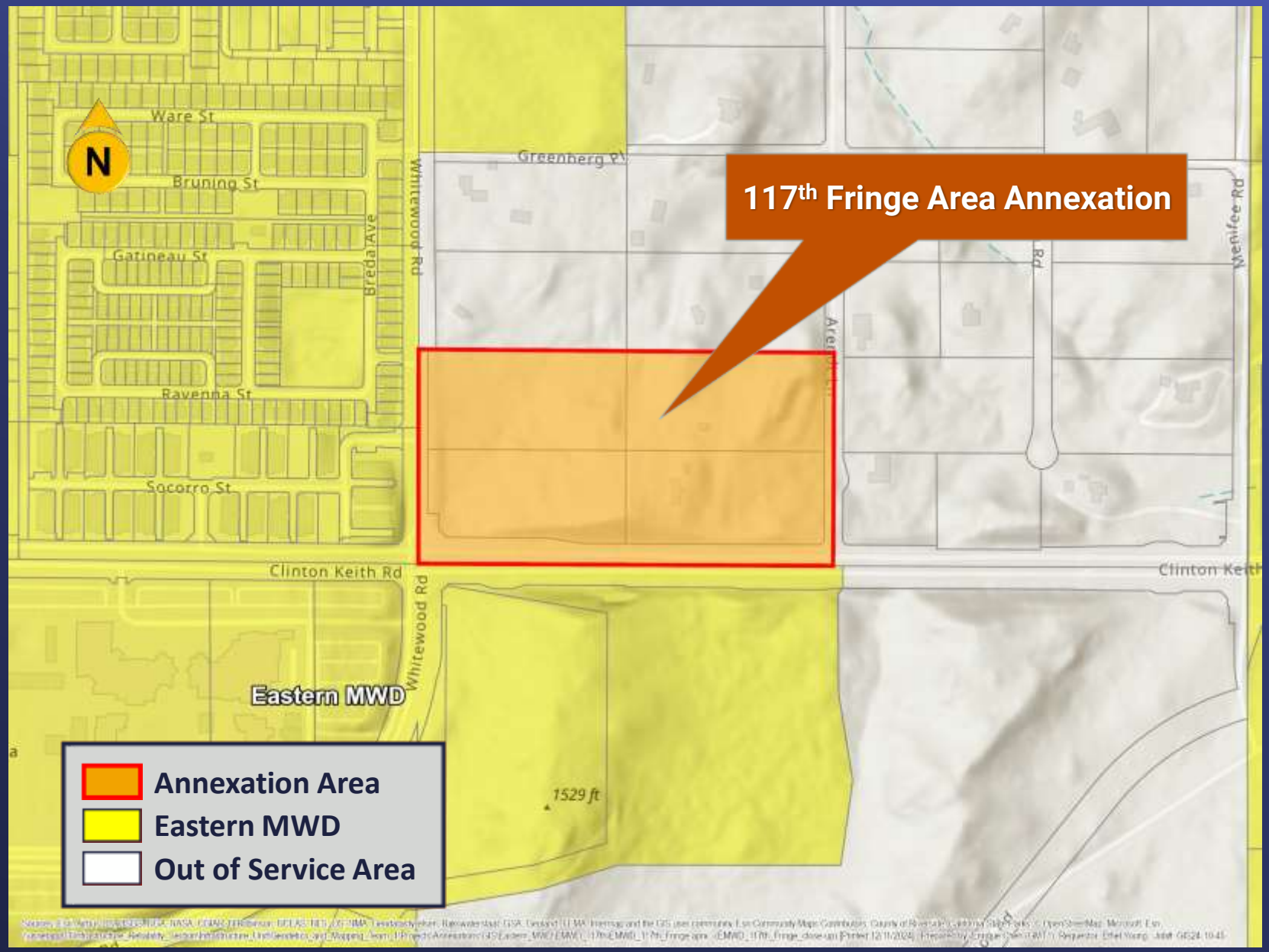
- This annexation will provide the ability for water service and associated benefits to the property owner. The initial fixed and variable costs will be borne by the local water supplier and property owner.

Service Area Map



Annexation Site Map

Gross Area = 20.767 Acres
Public Road = 3.533 Acres
Net Area = 17.234 Acres



Key Provisions

- Annexation area is 20.767 acres with 3.533 acres in public roads leaving a net area of 17.234 acres.
- Total fees are $147,439.01
- Water use estimate is 84.4 AF/Y
- Annexation request is compliant with current policies and requirements

Board Options

Option 1:

- Review and consider the Lead Agency's certified Environmental Impact Report and Initial Study, and take related CEQA actions, and adopt resolution for the 117th Fringe Area Annexation concurrently to Eastern Municipal Water District and Metropolitan
- Establish Metropolitan's terms and conditions for the annexation, conditioned upon approval by Riverside County's Local Agency Formation Commission
- Upon receipt of the annexation fee of $147,439.01

Option 2:

- Decline the Request

Board Options

Staff Recommendations

- Option 1

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

RESOLUTION 9370

RESOLUTION OF THE BOARD OF DIRECTORS OF THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA CONSENTING TO EASTERN MUNICIPAL WATER DISTRICT'S 117th FRINGE AREA ANNEXATION AND FIXING THE TERMS AND CONDITIONS OF THE ANNEXATION TO THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

WHEREAS, the Board of Directors of the Eastern Municipal Water District (EMWD), a county water authority situated in the county of Riverside, state of California, pursuant to Resolution No. 2024-084, in accordance with the provisions of the Metropolitan Water District Act (MWD Act), has applied to the Board of Directors of The Metropolitan Water District of Southern California (Metropolitan) for consent to annex thereto certain uninhabited territory situated in the county of Riverside referred to as 117th Fringe Area Annexation, more particularly described in an application to the Riverside County Local Agency Formation Commission (LAFCO), concurrently with 117th Fringe Area Annexation thereof to EMWD, such annexation to Metropolitan to be upon such terms and conditions as may be fixed by the Board of Directors of Metropolitan;

WHEREAS, the property owner of the proposed annexing parcel, which is located within the city of Murrieta in Riverside County, Assessor Parcel Numbers 392-330-003, 392-330-007, 392-330-020, and 392-330-021 (Property), has applied for annexation into the EMWD and Metropolitan service areas;

WHEREAS, completion of said 117th Fringe Area Annexation shall be contingent upon approval by the LAFCO;

WHEREAS, Metropolitan requests that LAFCO condition its approval of 117th Fringe Area Annexation upon a requirement that Metropolitan's existing and established taxes, benefit assessments, or property-related fees or charges in place in the service area are levied or fixed and collected on the parcels being annexed to the agency; these taxes, benefit assessments, or property-related fees or charges are identified below;

WHEREAS, Metropolitan has levied and collected ad valorem taxes on parcels within the territory of EMWD. Such charges for fiscal year 2024/25 are described in Resolution 9361, adopted by Metropolitan's Board on August 20, 2024;

WHEREAS, since fiscal year 1992/93, Metropolitan has levied and collected water standby charges pursuant to Section 134.5 of the MWD Act on parcels within the territory of

EMWD. Such charges for fiscal year 2024/25 are described in Resolution 9357, adopted by Metropolitan's Board on May 14, 2024;

WHEREAS, upon 117th Fringe Area Annexation, the parcel will be within Metropolitan's service area, Metropolitan water will be available to such parcels and such parcels will receive the benefit of the projects provided in part with proceeds of Metropolitan's water standby charges; and

WHEREAS, pursuant to the provisions of the California Environmental Quality Act (CEQA), EMWD, City of Murrieta acting as Lead Agency and sub-member agency to EMWD, certified and approved the Murrieta General Plan EIR on July 19, 2011, and the Initial Study to the EIR (also known as 117th Fringe Area Annexation - Oak Crest Townhomes Project) on July 24, 2024, and approved the Project for the development of the proposed annexation parcels. Metropolitan, as Responsible Agency under CEQA, reviewed and considered the information contained in the EIR and Initial Study prior to approval of the formal terms and conditions for the 117th Fringe Area Annexation; and

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of Metropolitan, acting as Responsible Agency, reviewed and considered the information in the EIR and Initial Study prior to approval of the final terms and conditions for the 117th Fringe Area Annexation; and subject to the following terms and conditions, does hereby grant the application of the governing body of EMWD for consent to annex 117th Fringe Area Annexation, to Metropolitan and does hereby fix the terms and conditions of such annexation.

Section 1. Annexation of said area to EMWD shall be made concurrently with annexation thereof to Metropolitan, and all necessary certificates, statements, maps, and other documents required to be filed by or on behalf of EMWD to effectuate 117th Fringe Area Annexation shall be filed on or before December 31, 2027.

Section 2. Prior to filing a request for a Certificate of Completion of 117th Fringe Area Annexation proceeding with LAFCO, EMWD shall submit a certified copy of LAFCO's resolution approving 117th Fringe Area Annexation to EMWD and shall pay to Metropolitan $147,439.01 for its annexation fee if annexation is completed by December 31, 2025. If the annexation is completed during the 2026 calendar year, the annexation charge will be calculated based on the then-current rate, in accordance with Metropolitan's Administrative Code Section 3300.

Section 3. a. Metropolitan shall be under no obligation to provide, construct, operate, or maintain feeder pipelines, structures, connections, and other facilities required for the delivery of water to said area from works owned and operated by Metropolitan.

b. EMWD shall not be entitled to demand that Metropolitan deliver water to EMWD for use, directly or indirectly, within said area, except for domestic or municipal use therein.

c. The delivery of all water by Metropolitan, regardless of the nature and time of use of such water, shall be subject to the water service regulations, including rates and charges promulgated from time to time by Metropolitan.

d. Except upon the terms and conditions specifically approved by the Board of Directors of Metropolitan, water sold and delivered by Metropolitan shall not be used in any manner which intentionally or avoidably results in the direct or indirect benefit of areas outside Metropolitan, including use of such water outside Metropolitan or use thereof within Metropolitan in substitution for other water outside Metropolitan.

Section 4. LAFCO has conditioned approval of the 117th Fringe Area Annexation upon a requirement that Metropolitan levy or fix and collect all previously established and collected taxes, benefit assessments, or property-related fees or charges on parcels being annexed to the agency.

Section 5. Such charges, which are subject to change over time, include but are not limited to:

a. Metropolitan's ad valorem tax on properties located within the territory of EMWD is in the amount of 0.007 percent of the assessed value of each parcel. Metropolitan shall levy the ad valorem tax in the amount, at the same time and in the same manner as the ad valorem tax on other properties located within the territory of EMWD. Such charges for fiscal year 2024/25 are described in Resolution 9361, adopted by Metropolitan's Board on August 20, 2024.

b. Metropolitan's water standby charge on properties located within the territory of EMWD in the amount of $6.94 per an acre, or per a parcel of less than one acre. Metropolitan shall levy the water standby charge in the amount, at the same time and in the same manner as the water standby charge on other properties located within the territory of EMWD. Such charges for fiscal year 2024/25 are described in Resolution 9357, adopted by Metropolitan's Board on May 14, 2024.

Section 6. That the General Manager is hereby authorized and directed to take all necessary action to secure the collection of the ad valorem taxes and water standby charges by the appropriate county officials, including payment of the reasonable cost of collection.

Section 7. That the Board of Directors of Metropolitan, acting as Responsible

Agency, reviewed and considered the information in the 2011 EIR and 2024 Initial Study prior to approval of the final terms and conditions for the 117th Fringe Area Annexation; and subject to the following terms and conditions, does hereby grant the application of the governing body of EMWD for consent to annex the 117th Fringe Area Annexation to Metropolitan and does hereby fix the terms and conditions of such annexation.

Section 8. That the General Manager and General Counsel are hereby authorized to do all things necessary and desirable to accomplish the purposes of this resolution, including, without limitation, the commencement of defense of litigation.

Section 9. That if any provision of this resolution or the application to any member agency, property or person whatsoever is held invalid, that invalidity shall not affect the other provisions or applications of this resolution which can be given effect without the invalid portion or application, and to that end the provisions of this resolution are severable.

BE IT FURTHER RESOLVED that the Board Executive Secretary is directed to transmit forthwith to the governing body of EMWD a certified copy of this resolution.

I HEREBY CERTIFY that the foregoing is a full, true, and correct copy of a resolution adopted by the Board of Directors of The Metropolitan Water District of Southern California, at its meeting held on February 11, 2025.

Lois Fong-Sakai

Secretary of the Board of Directors
of The Metropolitan Water District
of Southern California

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Action

- **Board of Directors**
  One Water and Stewardship Committee

2/11/2025 Board Meeting

8-1

Subject

Authorize the General Manager to execute transfers, exchanges, and other State Water Project management transactions during 2025 and 2026; grant final decision-making authority to the General Manager subject to the terms set forth in this letter; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

Staff seeks authorization for the General Manager to execute transfers, exchanges, and other State Water Project (SWP) water management transactions that will protect long-term water supply reliability while offering the opportunity to achieve Metropolitan's financial objectives for the current budget cycle. Staff have identified the potential to sell water supply in excess of currently stored water over calendar years 2025 and 2026 to other contractors, their members, and landowners that can receive transferred water from the SWP. It is estimated that SWP sales will help generate the estimated $120 million target for new revenues identified in the Metropolitan budget and rates adopted in April 2024. On the other hand, if hydrologic conditions in calendar year 2026 turn out to be dry, thus increasing the need for additional supplies, staff have identified the potential need to purchase up to 100,000 acre-feet at a cost of up to $50 million from sellers that can convey water via the SWP. These purchases would be used to help manage potential shortage conditions.

Staff presented information letters on this subject to the One Water and Stewardship Committee in January 2025 and December 2024 and received board feedback on the proposal to sell SWP supplies outside of the service area. Key areas of discussion included the need to ensure Metropolitan's water supply reliability and the potential to achieve current budget objectives. **Attachment 1** details staff responses to board feedback and questions received at these two meetings. Based on this feedback, staff proposes to limit outside water sales transactions only to conditions that maintain or enhance Metropolitan's water supply outlook and financial reliability. Currently, Metropolitan is in a unique position to generate new revenue from outside water sales because of record-high storage conditions at the end of 2024. Staff recommends potential single-year water sales over the next two years as long as SWP allocations are sufficient to allow Metropolitan to maintain or add to current record-high storage reserves. If hydrologic conditions do not support sufficient SWP allocations during 2025 and 2026, and Metropolitan is no longer able to maintain or add to current record storage levels, then staff will not pursue the SWP water sales. Board authorization for the General Manager to execute transfers, exchanges, and other SWP management transactions over the next two calendar years will provide Metropolitan with the flexibility to nimbly make water transactions relative to changing hydrologic, water market, and financial conditions.

Proposed Action(s)/Recommendation(s) and Options

Staff Recommendation: Option #1

Option #1

Authorize the General Manager to execute transfers, exchanges, and other State Water Project management transactions during 2025 and 2026 and grant final decision-making authority to the General Manager subject to the terms set forth in this letter.

Fiscal Impact: Revenue of up to $120 million through sale of SWP water or cost of up to $50 million for water purchases in 2026 to be conveyed via the SWP.
Business Analysis: Sale and exchange of potential surplus SWP supply will help generate the new revenue assumed in the budget adopted by the Board in April 2024. Obtaining transfer supplies and implementing water exchanges will improve future regional water supply reliability and help mitigate impacts should dry conditions prevail.

Option #2

Do not authorize the General Manager to enter into transfers, exchanges, and other State Water Project water management agreements during 2025 and 2026.
Fiscal Impact: Decreased likelihood of meeting new revenue targets in FY 25/26 budget and rates.
Business Analysis: Not authorizing the water transfers and exchanges with various water districts could result in a lost opportunity to generate new revenue or to secure additional water supplies in 2025 and 2026.

Alternatives Considered

Not applicable

Applicable Policy

By Minute item 52273, dated February 9, 2021, the Board reviewed and considered the Department of Water Resources' certified Final Environmental Impact Report, took related California Environmental Quality Act (CEQA) actions and approved the State Water Project Contract Amendment for Water Management.

By Minute item 20984, dated November 1, 1960, the Board adopted Resolution 5838 and approved execution of the State Water Project Contract with the Department of Water Resources (DWR).

Metropolitan Water District Administrative Code Section 4200: Water Availability

Metropolitan Water District Administrative Code Section 4203: Water Transfer Policy

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

Metropolitan Water District Act Section 132: Sale of Surplus Water

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is not defined as a project under CEQA because it involves the tentative approval of and funding for water transfers, exchanges, and other SWP management transactions in 2025 and 2026 but does not involve a commitment to any specific actions at this time that may result in a potentially significant physical impact on the environment (Section 15378(b)(4) of the State CEQA Guidelines). Prior to final authorization of any water transactions by the General Manager, CEQA documentation will be prepared by the Lead Agency and reviewed and processed in accordance with CEQA and the State CEQA Guidelines.

CEQA determination for Option #2:

None required

Details and Background

Background

Staff brought information letters to the Board in December 2024 and January 2025 on developing new SWP water management actions that generate new revenue via the sale of surplus supply and also potential actions that reduce the risk of future water supply shortages via water purchases. Historically, staff has come to the Board annually and on a case-by-case basis for authorizations to buy additional supply.

Staff is seeking additional authority to sell SWP water to other contractors and parties that can receive transfers of SWP water for the first time. This flexibility is primarily afforded by the Water Management Amendment to the SWP contract, approved by the Board in February 2021. Sale of Metropolitan's SWP supply is consistent with Metropolitan Water District Act Section 132 that allows for the sale of surplus water not needed for domestic or municipal use within the district. Administrative Code Section 4200 requires that the sale of water outside of Metropolitan's service area be approved by the Board. Sale of Metropolitan's SWP supply within the next two calendar years could help contribute to the estimated $120 million in unrealized annual revenue assumed in the budget and rates adopted by the Board in April 2024.

The following discussion describes the type of transactions that staff is contemplating to pursue to meet revenue and water supply goals, possible transaction parameters, key considerations, and potential partners.

Potential Transactions under Surplus Conditions

Metropolitan can pursue several types of transactions to generate revenue, including non-permanent Table A transfers to other SWP contractors, transfers of SWP carryover supply, and transfers of previously stored SWP supply in banking programs outside of the service area. The 2021 water management amendment provides that buyers and sellers can determine the cost compensation for these types of transfers. SWP contractors can also execute balanced or unbalanced water exchanges with cost compensation determined by the buyer and seller, and DWR views these exchanges as "Transfer Packages." An example of a potential unbalanced exchange Metropolitan would consider under surplus conditions would be transfer of Metropolitan surplus SWP supply in exchange for the future return of lesser supply, with potential cost compensation to reflect the dry-year value of water. DWR also procures annual Change in Place of Use permitting that can enable additional parties to participate in transfer transactions.

Pricing for Water Sales

The potential pricing for single-year SWP sales would be dependent on hydrologic conditions, time of year, and overall supply versus demand. In general, demand and price tends to increase in drier years and decrease in wetter years. In this past year, there were relatively few buyers and several potential sellers with above-average supplies coming off a wet 2023, and the price of Table A sales generally went down as the year progressed. Pricing in 2024 ranged from approximately $250 to $600 per acre-foot. In a wet year like 2023, there were sales at approximately $100 to $200 per acre-foot; and in a dry year like 2022, there were sales ranging from approximately $500 to $2,000 per acre-foot. Staff recommends that the price for Metropolitan SWP supply sales to other parties be an amount greater than the Supply Rate element charged for water sales to Metropolitan member agencies (approximately $300 per acre-foot in 2024). Charging a price greater than the Supply Rate element will ensure the recovery of Metropolitan's overall supply cost per acre-foot and ensure that Metropolitan's member agencies have access to supply for a lower amount than outside agencies.

Protection of Water Supply Reliability

Staff is not proposing to sell water in conditions that may lead to future challenges in meeting reliability for its member agencies. Thus, Metropolitan's willingness to sell water in 2025 or 2026 would be constrained by the need to maintain water supply reliability, in particular for the SWP dependent area. Staff proposes water sales outside of the service area only if projected SWP allocations are high enough that current high storage levels are maintained and that additional puts to storage may be made. In 2025, under projected Colorado River supplies and current trend demands, balanced conditions are estimated to occur at a SWP allocation of approximately 30 percent. Therefore, water sales outside of the service area would not be pursued in 2025 unless the allocation is

at or above approximately 30 percent. In 2026, staff is proposing water sales only if Metropolitan is able to maintain current high levels of storage, and that year's supply and demand balance requires additional puts to storage. Staff recommends that the Board authorize the General Manager to sell surplus SWP supply over the next two calendar years in the event of wet conditions on the SWP to help generate revenue and minimize unmanaged SWP supplies.

Potential Partners

Potential buyers of Metropolitan SWP supply under the water management amendment are other SWP contractors, their members, or landowners. Potential sale of water to a non-SWP contractor (e.g., Central Valley Project contractor) could also occur to the extent that DWR petition the State Water Resources Control Board to allow a transfer of SWP water outside of the SWP place of use. Staff intends to identify potential partners for water sales within the SWP place of use and with partners whose place of use is compliant and consistent with State Water Resources Control Board petitions. The regulatory challenges for exchanging SWP water with CVP contractors are less onerous and managed via annual petitions to the SWRCB for consolidation of the SWP and CVP place of use. As such, staff will evaluate and potentially pursue mutually beneficial exchanges with both SWP and CVP contractors and their member agencies or landowners.

Potential Transactions under Shortage Conditions

2025 is not projected to be severely dry, and staff will not be pursuing water purchases to augment water supplies. However, if 2026 is dry, staff anticipates a potential need to purchase water transfer supplies in addition to those already approved for purchase by the Board. The Board has already authorized the potential purchase of surface water transfer supplies under the Yuba Accord through 2025, and the potential purchase of water transfer supplies from Western Canal Water District and Richvale Irrigation District through 2027. Staff requests authority to purchase single-year water transfers if needed from other sellers north and south of the Delta, including other SWP contractors as allowed under the water management amendment. Under shortage conditions, Metropolitan may also consider unbalanced water exchanges to secure dry-year supply in exchange for the obligation to return greater quantities in wetter years, with potential cost compensation to reflect the dry-year value of water. A broad portfolio of water transfer options will help Metropolitan meet its future water supply needs in the most cost-effective manner.

The quantity of water that Metropolitan would purchase under shortage conditions in 2026 would be dependent on the overall supply and demand balance, price, and whether Metropolitan purchases water from other sellers such as Yuba Water Agency, Western Canal Water District, and Richvale Irrigation District. To provide the flexibility to supplement these existing water purchase programs, staff recommends that the Board authorize the General Manager to buy up to 100,000 acre-feet of additional supply from willing sellers in 2026, if needed.

Potential partners for the purchase of water by Metropolitan include public water agencies, private water utilities and companies, water rights holders, and state and federal agencies located north or south of the Delta that can move water via SWP facilities.

Administrative Requirements for Potential Transactions

For any potential SWP water sale, Metropolitan would need to enter into at least two agreements, one with the purchasing entity covering the terms of the transaction, and another with DWR, Metropolitan, and the partner contractor (may also be the purchasing entity). For any transaction under the water management amendment, DWR will require compliance with transparency requirements enumerated in Article 57(g) of the SWP contract, including that Metropolitan provide relevant terms to all other contractors via the State Water Contractors organization. DWR will require CEQA documentation to process each transfer and exchange agreement requested by Metropolitan.

Purchase of SWP water from other entities will also likely require at least two agreements, one with the seller and another with DWR to convey the transfer supply. No commitment to any given transfer would be made by the General Manager unless and until all applicable CEQA requirements have been met.

Feedback and Questions Received from the Board

Staff received feedback and questions from the Board during the discussions pertaining to the two Information Letters delivered in December 2024 and January 2025. The following is a categorized listing of the feedback and questions. **Attachment 1** contains the questions and detailed responses.

Legal Questions and Comments:

1. Request for written legal analysis regarding the applicability of MWD Act Section 131.
2. Are any changes to the MWD Act or MWD Administrative Code necessary?
3. Metropolitan should not sell water that will be wasted.
4. Metropolitan should sell its Colorado River water to users in other states.

Price / Finance Questions and Comments:

5. Request that member agencies be able to purchase water at the same price offered to outside agencies.
6. Metropolitan's costs need to be covered.
7. Recovery of a price equal to only the budgeted supply rate for member agencies is too low. How do we maximize the value for Metropolitan?
8. Does the budgeted water supply rate cover our transportation costs, even if we don't transport the water?
9. Are we potentially selling low and buying high?
10. How would water sales impact long-term reliability and investments in DCP, Sites, and Pure Water?
11. Where are we with respect to water sales versus budget?

Approach Questions and Comments:

12. The Board should approve individual transactions and hold special meetings to approve individual transactions if needed.
13. The general public needs to know that Metropolitan is not taking chances with the future reliability of the region. The public may not understand the current status of storage conditions.
14. There seems to be a new threshold for dry-year storage reliability – four years instead of three. The Climate Adaptation Master Plan for Water planning process has not yet addressed these risk and hydrology details.

Delegation of Authority to General Manager

Accordingly, staff requests that the General Manager be delegated the authority to determine whether to move forward with these water sales, purchases, transfers, and exchanges following completion of, and based upon, any environmental reviews that may be necessary under CEQA. No commitment to any given transaction would be made by the General Manager unless and until all applicable CEQA requirements have been met. Any such commitment would be subject to and consistent with the terms and conditions set forth above.

2/4/2025

Brandon J. Goshi *Date*
Interim Manager,
Water Resource Management

2/4/2025

Deven N. Upadhyay *Date*
General Manager

Attachment 1 – Staff Responses to Metropolitan Director Questions and Comments on Proposed SWP Water Sale Transactions

Ref# wrm12700628

Staff Responses to Metropolitan Director Questions and Comments on Proposed SWP Water Sale Transactions

Written responses to feedback received from Board directors during the January 13, 2025, One Water and Stewardship Committee, summarized by subject area, are detailed below.

Legal Questions and Comments:

1. Request for written legal analysis regarding the applicability of MWD Act section 131.

Response: MWD Act section 131 does not apply to the sale of surplus water; rather, it applies to the sale of water: (a) to the United States or the State of California; or (b) to a private corporation or public agency regarding the generation of electric power. The sale of surplus water by Metropolitan is authorized by MWD Act section 132.

2. Are any changes to the MWD Act or MWD Administrative Code necessary?

Response: No. MWD Act section 132 authorizes Metropolitan to sell surplus water. Under MWD Administrative Code section 4200, Metropolitan may sell water outside of its service area as approved by the Board. See also MWD Administrative Code section 4401(b).

3. Metropolitan should not sell water that will be wasted.

Response: Article 10, section 2 of the California Constitution requires that water be beneficially used and prohibits the waste and unreasonable use of water. Individual water users are responsible for complying with these requirements.

4. Metropolitan should sell its Colorado River water to users in other states.

Response: The sale of Metropolitan's Colorado River water to users in other states is not currently authorized under the Law of the River.

Price / Finance Questions and Comments:

5. Request that member agencies be able to purchase water at the same price offered to outside agencies.

Response: Metropolitan sets rates for member agency deliveries to recover the cost of service and ensure the continued financial viability of the district. The elements of the full-service volumetric water rates for member agencies include: Supply, System Access, System Power, and Treatment Surcharge. The sale price of surplus water to outside agencies may be at a lower amount than the member agency full-service rate because the costs associated with surplus water are limited to supply costs. Metropolitan does not anticipate incurring transportation, power, or treatment costs associated with the other rate elements and therefore, is using its overall supply rate element as a guide for the selling price of its surplus water to third parties. However, any additional costs incurred by Metropolitan will also be considered in the sale price. At this time, Metropolitan does not have a program for selling surplus water to member agencies. Staff and member agencies engaged in several workshops and board discussion during 2023 to 2024 on such a program, and is now continuing to evaluate it through the ongoing CAMP4W and business model process.

6. Metropolitan's costs need to be covered.
7. Recovery of a price equal to only the budgeted supply rate for member agencies is too low. How do we maximize the value for Metropolitan?
8. Does the budgeted water supply rate cover our transportation costs, even if we don't transport the water?

Response: The price proposed for outside water sales would at a minimum recover Metropolitan's cost of water supply assumed in the rates established in the budget and rates adopted by Metropolitan's Board in April 2024 for sales to member agencies. The Supply Rate covers the cost of water supply for Metropolitan and not transportation costs, which are collected through the System Access Rate. Recovery of water supply cost is a minimum guardrail, and staff would pursue sales at higher prices than minimum cost recovery. One strategy for maximizing the price and potential revenue for Metropolitan is to execute transactions early enough in the year when potential buyers may place higher value on the certainty of supplemental water supply. In 2024, SWP contractors entered into water transactions with a price of approximately $500 per acre-foot early in the calendar year and a price of $250 per acre-foot late in the calendar year.

9. Are we potentially selling low and buying high?

Response: Staff is proposing outside water sales only to the extent that Metropolitan is maintaining current high storage balances and further adding to storage according to the projected water supply and demand balance for the year. With this reliability guardrail, staff does not anticipate the need to replace water being sold through future purchases or exchanges thus eliminating the potential of selling low and buying high.

10. How would water sales impact long-term reliability and investments in DCP, Sites, and Pure Water?

Response: Water sales to outside agencies over the next two years would not affect long-term reliability or future investment decisions. Staff is proposing single year water transactions over a finite two-year period to generate new revenues. Staff is proposing safeguarding water reliability by ensuring that outside water sales are surplus to member agency demands and dry-year storage targets. Staff is also proposing outside water sales only as long as Metropolitan maintains current record high levels of storage and is projecting to add to storage based on the supply and demand balance of that year. Water sales as a future long-term water management tool is being evaluated in the CAMP4W and business model process.

11. Where are we with respect to water sales versus budget?

Response: Revenues are not currently meeting the estimated revenue assumed in the budget adopted by the Board in April 2024. Water sales are also tracking lower than projected. Additional details will be provided in the February Finance and Asset Management Committee meeting.

Approach Questions and Comments:

12. The Board should approve individual transactions and hold special meetings to approve individual transactions if needed.

Response: The lead time to bring most items to the Board for action is three months. In order to negotiate favorable terms in a timely matter, it would be better if the Board granted the general manager

authority to enter into surplus SWP sales transactions subject to protections for water reliability, including meeting service area demands and regional storage targets. Staff would update the Board in future months on water transactions, if any, executed under the authority granted.

13. The general public needs to know that Metropolitan is not taking chances with the future reliability of the region. The public may not understand the current status of storage conditions.

Response: Metropolitan would not be taking chances with reliability by pursuing transactions subject to guardrails, including meeting service area demands and regional storage targets and recovering costs. The public's understanding of current water supply conditions can be challenged by the extreme ups and downs we face year after year with respect to water supply conditions. Adding surplus water sales to our water management toolbox will help Metropolitan better manage that weather whiplash.

14. There seems to be a new threshold for dry year storage reliability – four years instead of three. The Climate Adaptation Master Plan for Water planning process has not yet addressed these risk and hydrology details.

Response: Staff was considering four consecutive dry years as a conservative assumption in previous discussion. Under the proposed approach and reliability guardrail, staff will not execute agreements to sell water unless the SWP allocation is projected to be sufficient to maintain or increase the current record high storage levels. For a two-year pilot implementation of this new water management tool, this more conservative approach is proposed to ensure that water sales outside of the district do not negatively impact regional reliability.

One Water & Stewardship Committee

Authorize the General Manager to execute transfers, exchanges, and other State Water Project management transactions during 2025 and 2026; grant final decision-making authority to the General Manager subject to the terms set forth in this letter; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Item 8-1

February 10, 2025

Item 8-1
State Water Project Water Management Agreements

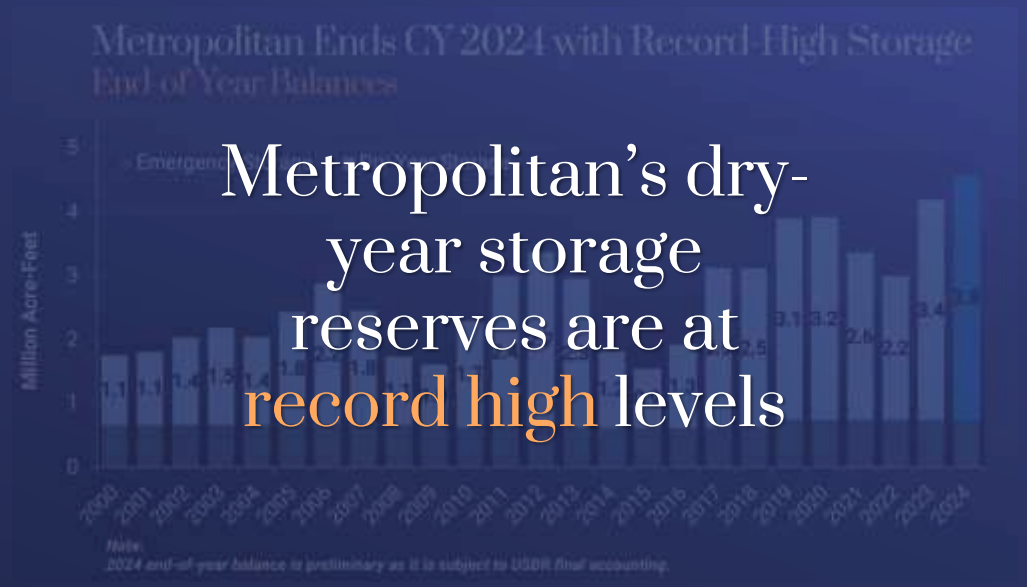
Subject
Authorize the General Manager to execute transfers, exchanges, and other State Water Project management transactions during 2025 and 2026; grant final decision-making authority to the General Manager subject to the terms set forth in this letter; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA.

Purpose
Delegation of authority to the General Manager to execute agreements to purchase and sell SWP supplies will allow Metropolitan to effectively and efficiently respond to changing hydrologic and market conditions to better manage both shortage and surplus conditions and generate new revenues.

Recommendation and Fiscal Impact
Authorize the General Manager to execute transfers, exchanges, and other State Water Project management transactions during 2025 and 2026; grant final decision-making authority to the General Manager subject to the terms set forth in this letter. Sale of surplus SWP water could generate revenue of up to $120 million, and purchase of supplemental water on the SWP system could cost up to $50 million over the next two calendar years.

Budget
2025-2026 budget and rates assume generation of up to $120M in new revenues. Costs to purchase transfers would be sourced from budgeted funds from the Water Supply Program and State Water Project budget.

Background



Metropolitan's dry-year storage reserves are at record high levels

MWD Act and Administrative Code provide that water may be sold outside the service upon board approval

Revenue Opportunities Given Record Storage

- Metropolitan is also pursuing new revenues through management of stored water to

2025-2026 budget and rates assume $60M/year in new revenues from water sales

2021 Water Management Amendment to SWP contract allows for single-year transfers

Water Transactions and New Revenues Below Budget

	Budget	Projected	
Water Transactions Cash Year 2024/25	1.338 MAF	1.252 MAF	Water transactions 86 TAF below budget not including Reverse Cyclic Program transactions
New Revenue Fiscal Year 2024/25	$60M	$17M	New revenue $43M below budget not including Reverse Cyclic Program cash management

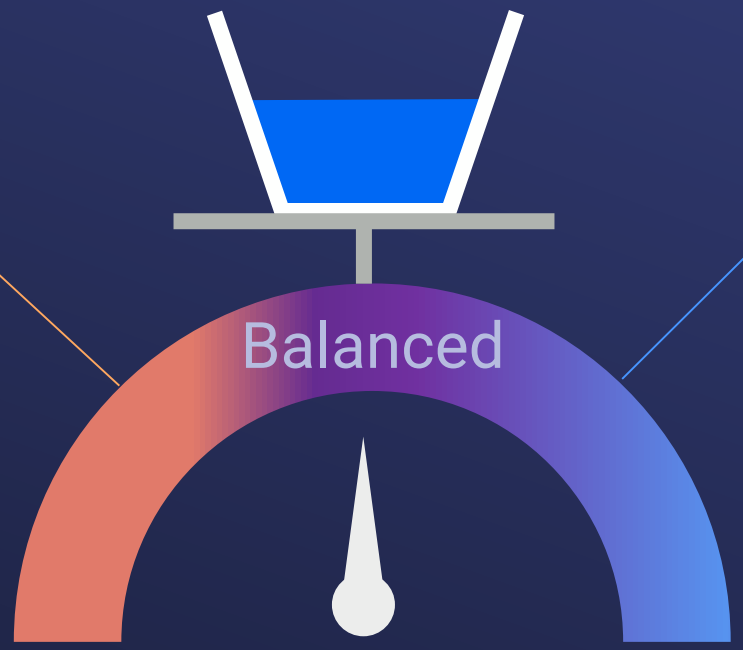
Proposed Water Management Actions

- Single-year transactions over the next two calendar years to manage to shortage and surplus conditions

Balanced at ~30 percent SWP allocation*

Drought Actions

Purchase water in 2026 at a cost of up to $50M



Surplus Actions

Sell water in 2025 and 2026 to generate revenues of up to $120M

**Note: Information as of January 2025. Assumes current trend demand on Metropolitan and forecasted Colorado River supplies.*

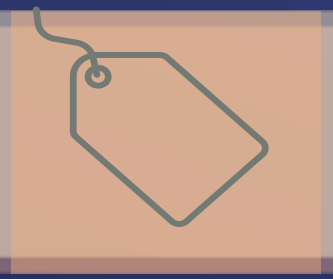
Water Sales Under Limited Conditions

Safeguarding
SWP
Dependent
Area
Reliability

Member agency demands met

Net annual supply/demand balance without sales = surplus

Sale price recovers at a minimum the Supply rate element of Metropolitan's budgeted water rates



Addressing Board Feedback - Legal

Proposed transactions do not require changes to Metropolitan Water District Act or Administrative Code

Metropolitan Water District Act

Sec. 132. [Sale of Surplus Water]

(a) A district may provide, sell and deliver surplus water not needed or required for domestic or municipal uses within the district for beneficial purposes, but shall give preference to uses within the district. …

Metropolitan Administrative Code

Sec. 4200. Water Availability.

District water will be available only to cities and areas now or hereafter included within the legal boundaries of the District. This means that District water will not be sold or released under any terms to any area as long as such area is outside the boundaries of the District except as may be approved by the Board.

Addressing Board Feedback - Financial

Full Service Water Rates to Member Agencies

Rate Element	2025 Rate per AF	Potential Price for Outside Water Sales
Supply	$290	→ $500
System Access	$463	
System Power	$159	
Treatment Surcharge	$483	
Full Service Untreated	$912	→ $1,122
Full Service Treated	$1,395	→ $1,605

Equivalent Rate to Service Area

Member Agencies have access to surplus SWP supply at lesser rates than prices envisioned for potential outside water sales

Benefits to Pursuing SWP Water Management Agreements

Increase Metropolitan's flexibility in managing water resources

Better response to fluctuating hydrologic and market conditions

Generate new revenues

Create value and regional benefits from surplus supply

Securing available water supplies from trusted sources reduces the risk of shortages

Maintain consistent service to customers

Building partnerships partners on the SWP

Board Options

Option 1

- Authorize the General Manager to execute transfers, exchanges, and other State Water Project management transactions during 2025 and 2026 and grant final decision-making authority to the General Manager subject to the terms set forth in this letter.

Option 2

- Do not authorize the General Manager to enter into transfers, exchanges, and other State Water Project water management agreements during 2025 and 2026.

Item 8-1
State Water Project Water Management Agreements

Item 8-1
State Water Project Water Management Agreements

Staff Recommendation

- Option 1

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Finance and Asset Management Committee

Authorize Bay Delta Lease Amendments

Item 8-2

February 11, 2025

Overview of Lease Amendments

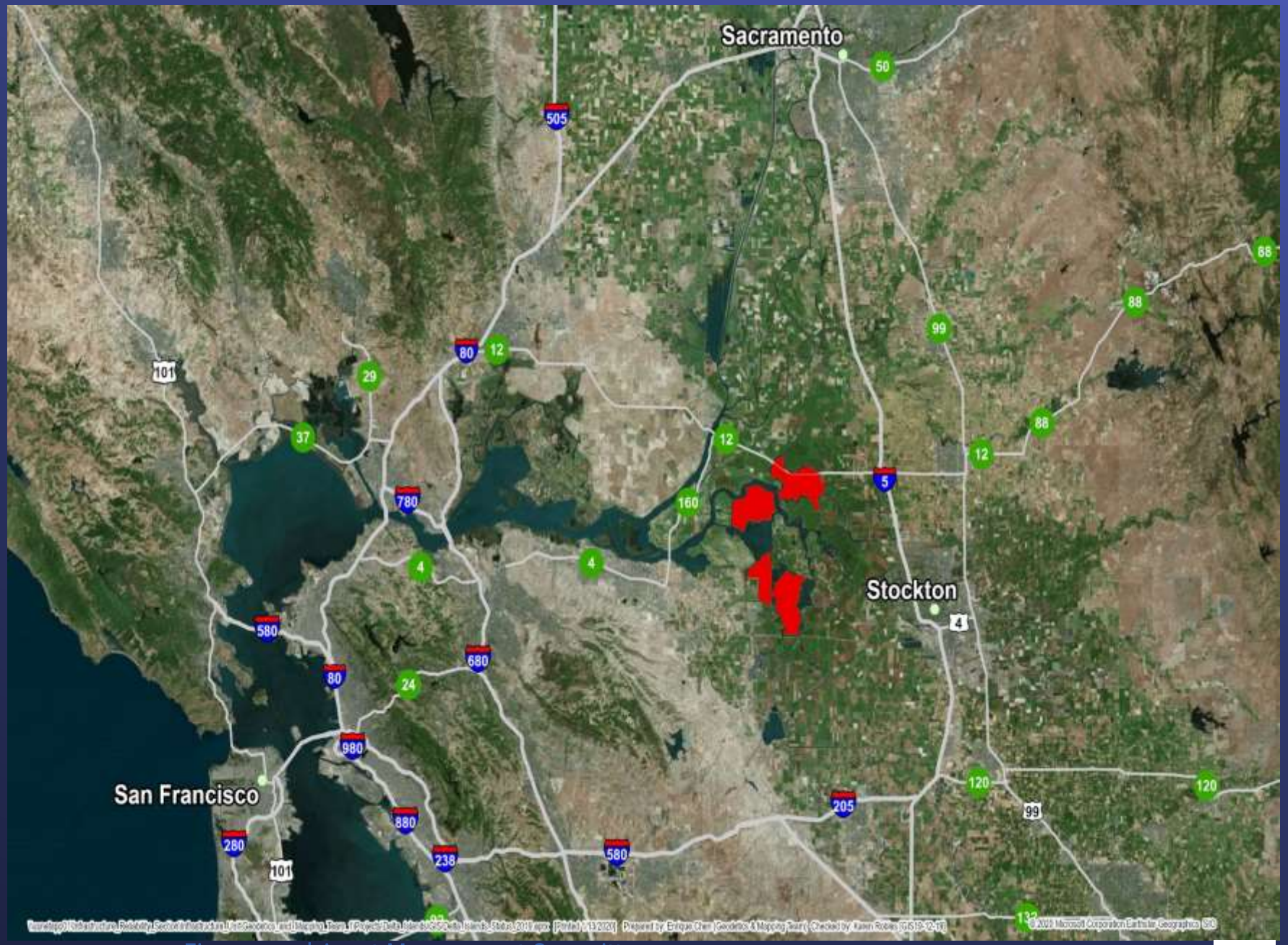
Subject

- Authorize lease amendments with existing tenants on Bacon and Bouldin Islands.

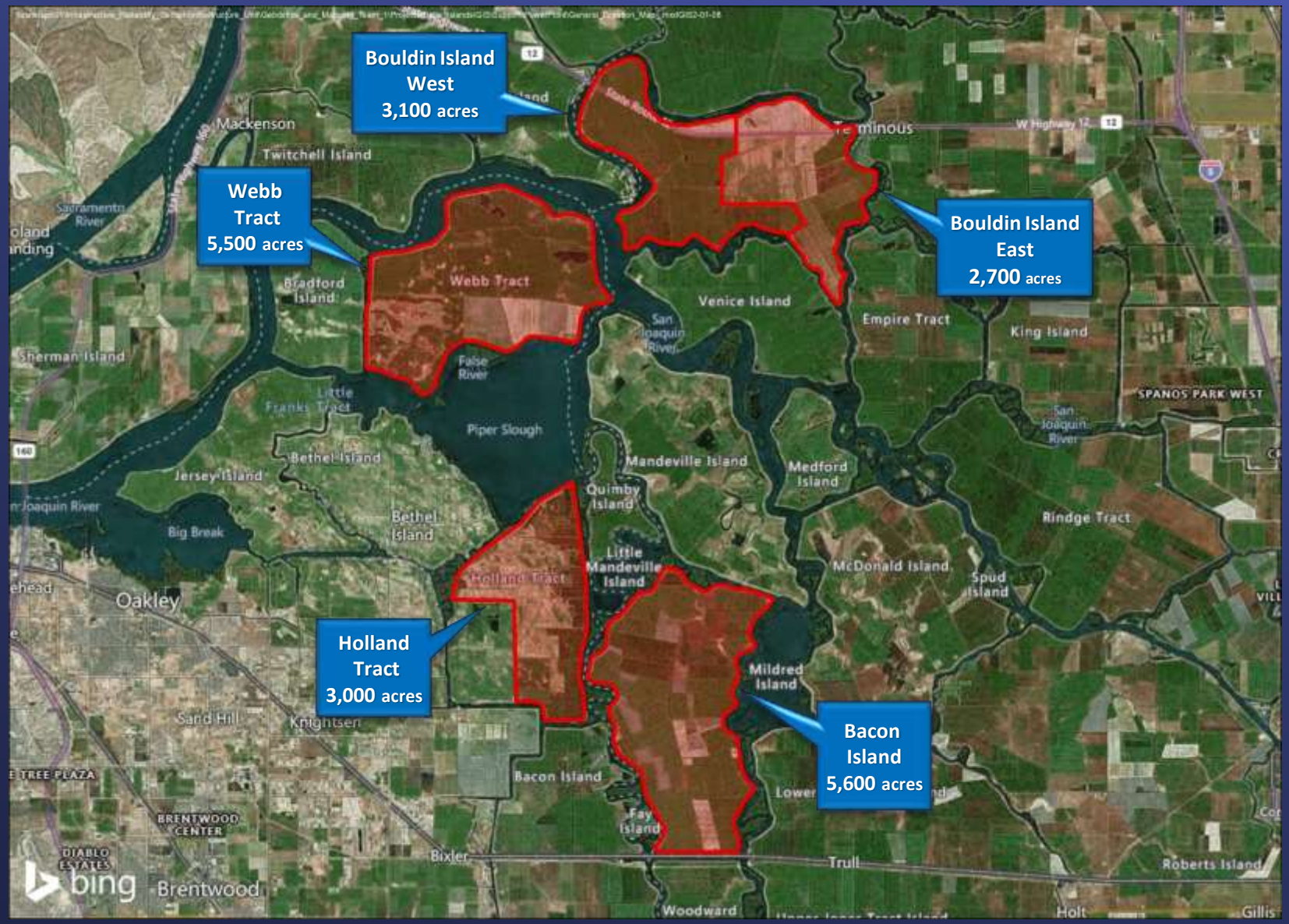
Purpose

- Extend term up to two years and increase the rent.

General Location



Site Map


Bouldin Island West
3,100 acres
Webb Tract
5,500 acres
Bouldin Island East
2,700 acres
Holland Tract
3,000 acres
Bacon Island
5,600 acres
Mackenson
Twitchell Island
Webb Tract
Venice Island
Empire Tract
King Island
Sherman Island
Bradford Island
False River
Piper Slough
Mandeville Island
Medford Island
Quimby Island
Bethel Island
Jersey Island
Big Break
Little Mandeville Island
McDonald Island
Spud Island
Rindge Tract
SPANOS PARK WEST
Oakley
Sand Hill
Knightsen
Bacon Island
Mildred Island
Fay Island
Bixler
Trull
Roberts Island
Brentwood
Woodward
Holt
Gillis
bing

Bay-Delta Land Use Strategy

- Water Supply Reliability
- Reduce Subsidence
- Decrease Levee Risks
- Positive Cash flow
- Reduce greenhouse gas emissions
- Ecosystem Restoration
- Carbon Sequestration

Bouldin Island-East

Sierra Cattle

- Current Lease: 2/1/20 to 1/31/25
- Gross Acres: 2,700
- Farmed Acres: 2,241
- Crops: Corn, Alfalfa, Wheat
- Not Interested in Rice Farming

Bouldin Island-West

Dinelli Farms

- Current Lease: 2/1/20 to 1/31/25
- Gross Acres: 3,100
- Farmed Acres: 2,009
- Crops: Corn, Wheat, Oats, Safflower
- Not Interested in Rice Farming

Bacon Island

D&L Farms

- Current Lease: 2/1/20 to 1/31/25
- Gross Acres: 5,600
- Farmed Acres: 4,807
- Crops: Corn, Wheat, Alfalfa
- Not Interested in Rice Farming Terms

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Report

Water Resource Management Group

- **Conservation Board Report February 2025**

Summary

This report provides a summary of conservation activities and expenditures for December 2024.

Purpose

Informational

Detailed Report

Conservation Expenditures – FY2024/25 & FY2025/26 (1)

	Paid (2)	Committed (3)
Regional Devices	$1.9 M	$1.2 M
Member Agency Administered	$3.0 M	$4.3 M
Turf Replacement	$7.7 M	$22.7 M
Advertising	$0.1 M	$0.9 M
Other	$1.1 M	$1.3 M
TOTAL	$13.8 M	$30.4 M

(1) The Conservation Program biennial expenditure authorization is $98.2 million.

(2) Paid as of 7/1/2024 - 12/31/2024. Financial reporting on cash basis.

(3) Committed dollars as of January 10, 2025

Summary of Expenditures in December 2024: $1,689,856 (1)

Lifetime Water Savings to be achieved by all rebates in December 2024: 6,784 AF
FY2024/25-FY2025/26: 26,579 AF lifetime water savings

Turf Replacement Rebates:
December: 363,723 ft^2 replaced
FY2024/25-FY2025/26: 3,458,319 ft^2 replaced

Clothes Washers:
December: 603 units rebated
FY2024/25-FY2025/26: 3,860 units rebated

Trees (part of Turf Replacement Program):
December: 139 trees rebated
FY2024/25-FY2025/26: 1,131 units rebated

Toilets:
December: 790 units rebated
FY2024/25-FY2025/26: 7,511 units rebated

Smart Controllers:
December: 445 units rebated
FY2024/25-FY2025/26: 3,553 units rebated

Sprinkler Nozzles:
December: 659 units rebated
FY2024/25-FY2025/26: 8,001 units rebated

(1) Expenditures may include advertising and Water Savings Incentive Program activity in addition to the incentives highlighted above.

Date of Report: 2/11/2025

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Information

- **Board of Directors**
  One Water and Stewardship Committee

2/11/2025 Board Meeting

9-2

Subject

Information on proposed agreements with the City of San Buenaventura and Calleguas Municipal Water District for wheeling and emergency delivery of State Water Project water

Executive Summary

This letter provides information to the Board of Directors (Board) on the proposed wheeling of up to 2,000 acre-feet (AF) per year of City of Buenaventura's (Ventura) State Water Project (SWP) water through Metropolitan's system. This letter also provides information on the proposed exchange of water supplies during emergencies between Calleguas Municipal Water District (Calleguas) and Ventura that may require delivery of Ventura and Metropolitan's SWP water into each other's service areas. Calleguas is a Metropolitan member agency that is included in the SWP-dependent area and receives imported water from Metropolitan via three service connections off a single pipeline. The Calleguas service territory borders Ventura, which is a State Water Contractor through its membership in the Ventura County Watershed Protection District. Ventura has no physical connection to SWP facilities and has never delivered SWP water to its service area. Currently, Ventura and Calleguas are building a bidirectional interconnection pipeline, the C-V Interconnection Pipeline (CVIP), to connect their water distribution systems. The purpose of the agreements described in this board letter is for Metropolitan to wheel Ventura's SWP water to Calleguas that then will be transported to the CVIP for delivery to Ventura, and during times of emergencies, allow the exchange of water supplies between Ventura and Calleguas that may involve delivery of SWP water into each other's service areas. Staff has developed agreements with Ventura and Calleguas to accomplish the objectives described above (**Attachment 1 and Attachment 2**) and plans to request board authorization for these agreements in March 2025.

Fiscal Impact

Metropolitan will be compensated for wheeling according to the terms specified in the wheeling agreement. There is no fiscal impact nor obligation to Metropolitan in allowing Calleguas and Ventura to provide water to each other during emergencies.

Related Board Action/Future Action(s)

Staff plans to request board authorization for the set of agreements in March 2025.

Details and Background

Background

Calleguas is a Metropolitan member agency located in Ventura County. In general, Metropolitan takes delivery of SWP water at Castaic Lake via Metropolitan's Foothill Feeder, treats this water at the Joseph Jensen Water Treatment Plant, and delivers the treated water to Calleguas via one of three service connections located off Metropolitan's West Valley Feeder No. 2 (Figure 1 – blue arrows). During drought periods, Metropolitan can also deliver treated Colorado River water via Metropolitan's Greg Avenue Pump Station to Calleguas. Calleguas provides this treated water to several cities in Ventura County, as well as the Naval Base Ventura County. The

single pipeline providing imported water has long been considered a vulnerability to Calleguas, and steps have been taken to improve water supply resilience by proposing interconnections with other agencies such as Ventura and Las Virgenes Municipal Water District, another Metropolitan member agency.

Ventura is also located in Ventura County but is not a Metropolitan member agency. Since 1971, Ventura has shared the cost of the Ventura County Watershed Protection District (VCWPD) State Water Project Contract with Casitas Municipal Water District (Casitas) and United Water Conservation District (United). Ventura's SWP share is 10,000 AF and due to their lack of physical connection to SWP facilities, Ventura has transferred its share of SWP supplies to other SWP contractors on a year-by-year basis and has never taken delivery of SWP supplies. Ventura has expressed interest in starting to take delivery of up to 2,000 AF per year of their SWP supplies.

Calleguas and Ventura are project partners on the CVIP, which includes an approximate seven-mile-long bidirectional pipeline that interconnects the two agencies from a water supply standpoint. Once operational, the CVIP would allow water to flow between the two agencies during an emergency, and would also allow Ventura to receive SWP supplies, providing that Metropolitan wheels Ventura's SWP water to Calleguas. The CVIP is schematically shown in Figure 1 and is expected to be online in autumn 2026/spring 2027. Both proposed uses of the pipeline are covered under the set of agreements **(Attachment 1 and Attachment 2)** described later in this board letter.

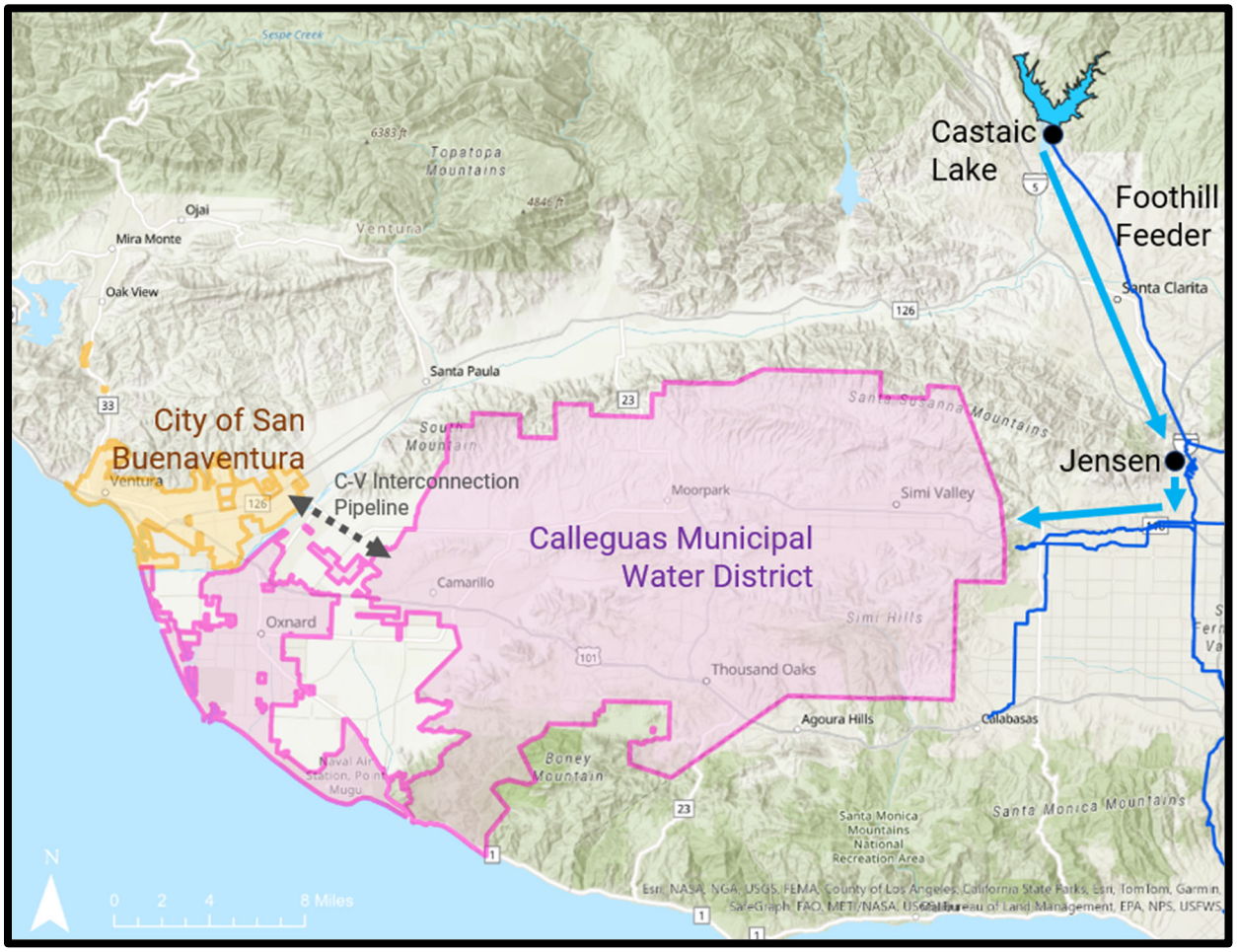


Figure 1 – Location map. Blue arrows on the right of the figure indicate the water path from Castaic Lake to Calleguas. The C-V Interconnection Pipeline (labeled) between Ventura and the City of Camarillo (Calleguas' service area) is a bidirectional pipeline not drawn to scale.

Proposed Agreements

Two separate agreements are needed to support the proposed uses of the CVIP: (1) An agreement to wheel SWP water; and (2) An agreement to consent to emergency use of SWP supply.

1) Agreement to wheel Ventura's SWP water

Ventura proposes to receive up to 2,000 AF per year of their SWP supplies using the interconnection with Calleguas. For that to happen, Metropolitan would wheel Ventura's SWP supplies from Castaic Lake and deliver them to Calleguas. Currently, Metropolitan only delivers treated water to Calleguas, so the wheeled water would also be a treated water supply. Calleguas would then wheel this water to the CVIP under a separate agreement between Calleguas and Ventura. The wheeling agreement between Metropolitan, Calleguas and Ventura (**Attachment 1**) specifies terms and conditions for the wheeling, as well as financial compensation for Metropolitan.

The key terms of this agreement are summarized below:

- System losses will be applied for the wheeled water
  - System losses would be reviewed every five years
  - Metropolitan system losses are currently 3%
  - Calleguas system losses are currently 0.5%
- Metropolitan staff will determine if sufficient capacity is available prior to wheeling
- Metropolitan will deliver treated wheeled water to Calleguas via its current water service connections off West Valley Feeder No. 2
- Financial compensation for Metropolitan
  - Wheeling price is a fixed dollar amount, initially based on the currently published transportation-related rate elements, the System Access Rate and the System Power Rate, and the published Treatment Surcharge
    - In calendar year 2025 the price is $622 + $483 = $1,105 per acre-foot
    - In calendar year 2026 the price is $671 + $544 = $1,215 per acre-foot
  - For years beyond 2026, the price will be based on an annual increase from the previous year's wheeling price plus a percentage increase equal to the Consumer Price Index for All Urban Consumers (CPI-U) series "Water and sewerage maintenance in U.S. city average, all urban consumers, not seasonally adjusted."
    - In calendar year 2027, the price per acre-foot would be $1,215 + ($1,215 * CPI-U%)
    - In calendar year 2028, the price per acre-foot is the 2027 wheeling price + (2027 wheeling price * CPI-U%)
    - In calendar year 2029, the price per acre-foot is the 2028 wheeling price + (2028 wheeling price * CPI-U%)

The CPI-U for water and sewerage maintenance has increased at rates that outpace general measures of inflation over a longer-term perspective (i.e., CPI-U all items) reflecting the acute cost pressures affecting water/wastewater utilities nationally.

Once this wheeling agreement is signed, Metropolitan staff will work with Ventura to enter into an agreement with the California Department of Water Resources (DWR). In this agreement with DWR, Castaic Lake will be specified as the point of delivery of Ventura's SWP supplies to Metropolitan for wheeling and will indicate that all SWP charges, including variable power rates, will be paid by Ventura.

2) Agreement to consent to emergency use of SWP supply

Calleguas proposes to receive water supplies from Ventura using the CVIP during emergency circumstances that prevent Metropolitan from delivering water to Calleguas. This would address Calleguas' vulnerability of having a single pipeline delivering treated imported water from Metropolitan. Similarly, Ventura would also be able to receive water supplies from Calleguas during emergency situations. However, Section 15(d) of the State Water

Contract prohibits a contractor from providing SWP supplies to another contractor's service area without that contractor's consent. This agreement (**Attachment 2**) would provide such consent.

The key terms of this agreement are summarized below:

- Definition of emergencies
  - Planned and unplanned water service interruptions
  - Emergencies do not include drought conditions
- Narrow scope
  - Either Calleguas or Ventura can borrow supplies during an emergency
  - The borrowed water during emergencies will be returned in a 1:1 ratio
  - Limited to consent for SWP water to be delivered in each other's service area
    - No financial compensation for Metropolitan for the consent
  - Does not obligate Metropolitan to deliver SWP supplies to Calleguas either for emergency deliveries to Ventura or for return of water by Calleguas to Ventura

Next Steps

Staff will return to the Board in March 2025 to request authorization for the General Manager to enter into agreements with Calleguas Municipal Water District and the City of San Buenaventura to allow these agencies to exchange water supplies during emergencies and Ventura to receive a portion of their SWP water via wheeling by Metropolitan.

2/3/2025

Brandon J. Goshi *Date*
Interim Manager
Water Resource Management

2/3/2025

Deven N. Upadhyay *Date*
Interim General Manager

Attachment 1 – Agreement for Wheeling of Water Between The Metropolitan Water District of Southern California, Calleguas Municipal Water District, and the City of San Buenaventura

Attachment 2 – Agreement for Permission to Deliver State Water Project Water into The Service Area of State Water Project Contractors Metropolitan Water District of Southern California and City of San Buenaventura (Through Ventura County Watershed Protection District) Under Emergency Circumstances

Ref# wrm12702046

AGREEMENT FOR WHEELING OF WATER BETWEEN THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA, CALLEGUAS MUNICIPAL WATER DISTRICT, AND THE CITY OF SAN BUENAVENTURA

This Agreement for Wheeling of Water (Agreement) is entered into by The Metropolitan Water District of Southern California (Metropolitan), Calleguas Municipal Water District (Calleguas), and the City of San Buenaventura (Ventura), referred to individually as a "Party" or collectively as the "Parties."

RECITALS

A. Metropolitan is a public agency of the State of California incorporated under the Metropolitan Water District Act, Stats. 1969, ch. 209, as amended, codified at Section 109.1 *et seq*. of Appendix Section 109 to the California Water Code. It is a voluntary cooperative made up of its member agencies. Currently, Metropolitan imports water from the State Water Project (SWP) and the Colorado River and distributes water to its member agencies located in the counties of Los Angeles, Orange, Riverside, San Bernardino, San Diego, and Ventura.

B. Metropolitan's system is an interconnected statewide and regional system integrating the SWP, the Colorado River Aqueduct, and the distribution system within its service area. Accordingly, Metropolitan determines and attributes all costs to the system as a whole, including its capital, operation, maintenance, and replacements.

C. Calleguas is a public agency organized under the Municipal Water District Act of 1911. Calleguas is a member agency of Metropolitan.

D. Ventura is a California Charter Law Municipal Corporation and is not a member agency of Metropolitan. Ventura shares the cost of the Ventura County Watershed Protection District SWP Contract with Casitas Municipal Water District and United Water Conservation District (United) and Ventura has the right to receive delivery of SWP water. Ventura wishes to convey that water through a new interconnection pipeline that would transport SWP water from Calleguas's distribution system to Ventura's distribution system (the C-V Interconnection Pipeline). Prior to this Agreement, Ventura transferred its share of SWP water to other SWP contractors along and at the end of the California Aqueduct and now intends to take a portion of its SWP water for its own use.

E. Ventura desires to have Metropolitan wheel its SWP water from Metropolitan's SWP turnouts at Castaic Lake through Metropolitan's facilities, provided Metropolitan has capacity as described in this Agreement, to Calleguas. Calleguas will then wheel Ventura's SWP water to Ventura through its own system and the new C-V Interconnection Pipeline and into Ventura's distribution system pursuant to a separate agreement between Calleguas and Ventura (hereinafter the "Calleguas Ventura Agreement").

F. On May 1, 2023, an Agreement between Calleguas, Ventura, and United was executed for construction and operation of the C-V Interconnection Pipeline to convey water between the Calleguas and Ventura distribution systems.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing recitals and the representations, warranties, covenants, and agreements contained in this Agreement and for other good and valuable consideration, the receipt and sufficiency of which the Parties hereby acknowledge is fair compensation, the Parties hereby agree to the following terms and conditions of this Agreement.

1. Agreement to Wheel Ventura's SWP Supplies. Pursuant to this Agreement, Metropolitan agrees to wheel SWP supplies to which Ventura has rights to receive (SWP Supplies), provided Metropolitan has capacity, and Ventura agrees to pay Metropolitan for wheeling Ventura's SWP Supplies. Metropolitan will receive Ventura's SWP Supplies at Metropolitan's SWP turnouts at Castaic Lake and deliver the water, under the terms of this Agreement, to Ventura at the Metropolitan-Calleguas connections.

2. Quantity. Ventura anticipates a need to wheel up to two thousand acre-feet per year of its SWP Supplies through Metropolitan's system to Calleguas for transmission by Calleguas to the C-V Interconnection Pipeline. The amount of water actually wheeled will depend upon availability of Ventura's SWP Supplies and Metropolitan's determination of available capacity to wheel that amount of water at the requested times.

3. Delivery from Ventura to Metropolitan. Ventura may make its SWP Supplies available to Metropolitan at Metropolitan's turnouts at Castaic Lake for wheeling to Calleguas, provided that Metropolitan determines, in its sole discretion, that Metropolitan has available system capacity to wheel Ventura's SWP Supplies to Calleguas, as scheduled pursuant to Section

6.

4. Wheeling from Metropolitan to Calleguas. Metropolitan will wheel Ventura's SWP Supplies that it receives and accepts from Ventura and deliver that amount, less 3% to account for Metropolitan's system losses, to Calleguas at Metropolitan's Service Connections CA-01, CA-02, or CA-03, as scheduled by mutual agreement between Metropolitan, Calleguas, and Ventura pursuant to Section 6. System losses shall be subject to review and modification every 5 years. Metropolitan does not agree to store Ventura's SWP Supplies or to delay or accelerate deliveries on a schedule different than its receipt of Ventura's SWP Supplies; a separate agreement would be required if Ventura requires any storage or flexibility in scheduling deliveries of wheeled water that do not correspond to the time it makes its SWP Supplies available to Metropolitan. The water wheeled for Ventura will necessarily pass through Metropolitan's Joseph Jensen Water Treatment Plant and will therefore be treated at the Plant. The price Ventura pays in Section 12(a) includes Metropolitan's cost to treat the water.

5. Delivery from Calleguas to Ventura. Calleguas will deliver the Ventura SWP Supplies it receives from Metropolitan to Ventura at the connection to the new C-V Interconnection Pipeline, less 0.5% to account for Calleguas system losses, pursuant to a separate agreement. System losses shall be subject to review and modification every 5 years. Ventura will install a meter at the Ventura connection to the C-V Interconnection Pipeline that meets Metropolitan's specifications, which Calleguas will own, operate, and maintain, to measure deliveries from Calleguas to Ventura. Calleguas shall submit a meter report as shown in Exhibit A on or about the last day of each calendar month for billing purposes. The meter shall measure flow within an accuracy of two (2) percent and shall be available for testing by Metropolitan upon reasonable notice. Metropolitan will be allowed to receive near real-time and historical flow data, at its sole discretion, from Calleguas's purveyor website, with the cost of the necessary equipment and installation, and flow signal telemetry paid for in advance by Ventura. Calleguas shall be responsible for maintenance of the meter and communications system and shall provide calibration records to Metropolitan annually.

6. Scheduling of Deliveries. The Parties will cooperate to arrange for scheduling wheeling of the water. Ventura will provide an estimate and draft schedule of its SWP Supplies to be delivered to Metropolitan and Calleguas in the upcoming calendar year, by December 7 of each year. Ventura may also request, in writing, wheeling of its SWP Supplies throughout the

DRAFT

year, as supplies become available to Ventura. The annual estimate or the individual requests throughout the year will specify the desired flow rate, start date and time, and anticipated duration of the delivery. Within fourteen (14) days, Metropolitan and Calleguas will either propose an alternate schedule to Ventura, accept the schedule, or determine that they have no available capacity for the requested wheeling under this Agreement and under the Calleguas and Ventura agreement. The Parties agree that Metropolitan retains the right to modify any scheduled wheeling transaction due to its operational and maintenance needs with no liability to Metropolitan.

7. Metropolitan's Determination of Available Capacity. Under current conditions, the amount of water to be wheeled under this agreement is not significant compared to Metropolitan's system capacity and therefore, Metropolitan anticipates it will be able to accommodate Ventura's wheeling requests under this Agreement. However, Metropolitan does not guarantee the availability of capacity at any time during the term of this Agreement. Metropolitan agrees that it will evaluate and determine on a yearly basis and, upon receiving a request for wheeling under this Agreement, the amount and availability of unused capacity available to wheel water pursuant to this Agreement. In making its determination, Metropolitan may consider the following factors, which are not exhaustive of all relevant factors to be considered: (i) priority to be given for use of its system for deliveries to its member agencies, (ii) transportation of water for storage, treatment, or system operations, (iii) other uses of the system by its member agencies for any purpose, including emergencies, and (iv) system shutdowns, whether scheduled or unexpected. Metropolitan will not wheel water under this Agreement during any shutdown impacting Calleguas, unless otherwise agreed to by the Parties in writing. Metropolitan has no obligation to increase capacity on its system to wheel water to Ventura under this Agreement. Metropolitan's Board of Directors has delegated the authority to its General Manager to make such determinations and findings for purposes of this Agreement at the time wheeling is requested. The General Manager's determinations and finding will be substantiated in writing to the Parties.

8. Permits and Other Requirements. Ventura shall be solely responsible for obtaining any permits, environmental requirements, or approvals necessary for the transfer of its SWP Supplies to Metropolitan and wheeling through Metropolitan's system under this agreement, including any necessary agreements or approvals by the Department of Water

Resources (DWR), any applicable requirements pursuant to the California Environmental Quality Act (CEQA), and compliance with any applicable provisions of California Water Code Sections 1810-1814 (the Wheeling Statutes).

9. Water Quality. Ventura's SWP Supplies originate from and will be delivered to Metropolitan in the same manner as Metropolitan receives its own SWP water at the Castaic Lake turnouts and is therefore no different in water quality than Metropolitan's SWP water. Metropolitan will deliver water under this Agreement that meets the same quality standards of water it delivers to Calleguas. The water delivered to Ventura may consist of SWP water commingled with Colorado River or any other water in Metropolitan's system. Metropolitan is not responsible for the quality of water delivered beyond the point of delivery at Metropolitan's Calleguas Service Connections CA-01, CA-02, and CA-03.

10. Use of Water. Calleguas and Ventura may not sell, lease, or transfer Ventura's SWP Supplies for use within Metropolitan's service area. Calleguas may not use Ventura's SWP Supplies within its service area, unless such use is otherwise agreed to in a separate writing by Metropolitan, Calleguas, and Ventura.

11. Audit. Calleguas and Ventura will accurately maintain records of all water deliveries under this Agreement. Upon Metropolitan's request, Calleguas and Ventura will submit such records to Metropolitan within seven (7) days for review and approval.

12. Price.

(a) The price Ventura will pay Metropolitan to wheel water from Metropolitan's turnouts at Castaic Lake to Metropolitan's Calleguas Service Connections CA-01, CA-02, and CA-03 will be $1,105 in calendar year (CY) 2025 and $1,215 in CY 2026. The price for CYs 2025 and 2026 were determined by Metropolitan based on the published transportation-related rate elements, the System Access Rate and the System Power Rate, and the published Treatment Surcharge.

The price for CY 2027 will be based on the 2026 wheeling price of $1,215 plus a percentage increase equal to the Consumer Price Index for All Urban Consumers (CPI-U) series "Water and sewerage maintenance in U.S. city average, all urban consumers, not seasonally adjusted." The price for every year thereafter will be based on the wheeling price for the previous year plus a percentage increase equal to the CPI-U.

The price for the first five calendar years is summarized below to reflect examples of the annual

increase:

2025 = $1,105

2026 = $1,215

2027 = $1,215 + ($1,215 * CPI-U%)

2028 = 2027 wheeling price + (2027 wheeling price * CPI-U%)

2029 = 2028 wheeling price + (2028 wheeling price * CPI-U%)

In the event the CPI-U used in this agreement is no longer available, the parties will meet and confer to select a new escalator. Pending agreement regarding a new escalator, the annual increase will be calculated based on the average increase over the years from the beginning of the agreement to the year in which the applicable CPI-U is no longer available.

(b) The Parties agree that they have evaluated the anticipated wheeling transactions under this Agreement and determined that the volumetric price term under this Agreement constitutes a negotiated fair price for the transaction. The Parties agree they have not identified and do not claim the wheeling transactions under this Agreement provide any offsetting benefits to Metropolitan that would reduce Metropolitan's transportation-related costs and therefore the price in this Agreement.

(c) The Parties agree that if a court of competent jurisdiction makes a final determination that the price Ventura pays Metropolitan under Section 12(a) is invalid, then this Agreement is terminated.

13. Invoicing and Payment.

(a) Metropolitan shall bill Ventura for an amount of wheeling determined by the meter reading at the C-V Interconnection Pipeline on the last day of each month, adding the losses attributable to wheeling of the water on the Calleguas system (0.5%) and the losses attributable to wheeling on Metropolitan's system (3%). Any wheeling transaction that takes place during the billing month that is not recorded in time for billing purposes on the last day of the month shall be included in the following month's bill. Metropolitan will submit monthly invoices to Ventura, with a copy to Calleguas, electronically using the same billing processes and timeline provided for in Metropolitan's Administrative Code for bills to Metropolitan's member agencies.

(b) Certification and Billing to Calleguas. Calleguas shall submit Exhibit A for certification purposes pursuant to this Agreement consistent with Metropolitan's Administrative

Code, sections 4506 to 4507. The water delivered to Calleguas for wheeling to Ventura under this Agreement will be recorded as being delivered to Calleguas, but will be credited in the bill for water service from Metropolitan to Calleguas so as to not charge Calleguas for the water. Metropolitan's deliveries of water wheeled under this Agreement for Ventura do not constitute a water sale or other service provided from Metropolitan to Ventura or to Calleguas. Wheeling transactions under this Agreement shall not be treated as sales to Calleguas for purposes of any rates or charges owed to Metropolitan, including the Readiness-to-Serve Charge. Calleguas will be responsible for charges related to minimum and maximum flow rate exceedances at Metropolitan's Calleguas Service Connections CA-01, CA-02, and CA-03 as described in Metropolitan's Administrative Code Section 4504.

14. Discovery of Mistakes or Errors. In the event a mistake or error is discovered in a water delivery record, the Parties will cooperate to correct the mistake or error. However, no mistake or error made more than three years prior to its discovery will be corrected unless otherwise agreed to by the Parties in writing.

15. Disputes. In the event that Ventura or Calleguas disputes the total amount of water delivered, the charges for water delivered, and the total amount due and owing, all as determined by Metropolitan, such amounts due must be paid in full and timely while the dispute is being resolved. If the Parties, a court of law, or other entity with jurisdiction over Metropolitan determines any moneys paid by Ventura to Metropolitan must be returned to Ventura, then Metropolitan will return the funds and no interest will be owed by Metropolitan on that money. The Parties agree this provision constitutes a stipulated pre-judgment interest agreement for purposes of California Civil Code Section 3289 and agree that the interest rate is 0%.

16. Commencement. This Agreement is effective on the date that the last party has executed the Agreement.

17. Termination.

(a) This Agreement terminates on December 31, 2055 or upon the termination of the current State Water Contracts with DWR, whichever comes first.

(b) Notwithstanding Section 17(a), this Agreement may be terminated, or a Party may withdraw from the Agreement at any time, provided the Party gives 120 days written notice and all wheeling transactions in progress are completed.

18. Force Majeure. If the performance, in whole or in part, of the obligations of the

Parties, to wheel water under this Agreement is prevented: by acts or failures to act of DWR or any agency, court, or other government authority (other than the Parties), or any other person; by natural disaster (such as earthquake, fire, drought, or flood), contamination or outbreak of a water borne disease, war, strike, lockout, act of God, act of civil or military authority; by the operation of applicable law; or by any other cause beyond the control of the affected Parties, whether similar to the causes specified herein or not; then, in any such circumstances, the obligation of the affected Parties to wheel water under this Agreement shall be suspended from the time and to the extent that the performance thereof is prevented, but reasonable diligence shall be observed by the affected Parties, so far as it lies in their power, in performing such respective obligations in whole or in part under this Agreement. In the event such performance of any of the Parties under this Agreement is prevented as described above, then during the period of such prevention, performance by the non-affected Parties under this Agreement shall be excused until such prevention ceases, at which time all the Parties shall become obligated to resume and continue performance of their respective obligations hereunder during the term of this Agreement. No such prevention shall suspend or otherwise affect any payment obligations for water actually wheeled or any obligation of any Party to indemnify the other Parties pursuant to Section 20.

19. Applicable Laws. This Agreement shall be governed by and construed in accordance with the laws of the State of California.

20. Indemnification.

(a) Ventura will defend, indemnify, and hold harmless Metropolitan and Calleguas against any claims concerning actions taken prior to Metropolitan assuming control of the water at Metropolitan's turnouts at Castaic Lake, concerning actions after Ventura assumes control of the water upon delivery to Ventura by Calleguas, and for any other activities under the exclusive control of Ventura.

(b) Metropolitan will defend, indemnify, and hold harmless Ventura and Calleguas against any claims concerning actions after Metropolitan assumes control of the water at Metropolitan's turnouts at Castaic Lake and prior to Calleguas assuming control of the water at Metropolitan's Calleguas Service Connections CA-01, CA-02, and CA-03, and for any other activities under the exclusive control of Metropolitan.

(c) Calleguas will defend, indemnify, and hold harmless Metropolitan against any

claims concerning actions after Calleguas assumes control of the water at Metropolitan's Calleguas Service Connections CA-01, CA-02, and CA-03 and prior to delivery to Ventura and for any other activities under the exclusive control of Calleguas.

(d) Ventura will defend, indemnify, and hold harmless Metropolitan and Calleguas against any claims alleging wheeling under this Agreement violates any law, including CEQA, the Wheeling Statutes, and any other laws.

(e) Notwithstanding anything in this Agreement to the contrary, each Party agrees to proceed with reasonable diligence and use reasonable good faith efforts to jointly defend any lawsuit or administrative proceeding initiated by any person other than the Parties challenging the legality, validity, or enforceability of this Agreement.

21. No Third-Party Rights. This Agreement is made solely for the benefit of the Parties. No other person or entity may have or acquire any right by virtue of this Agreement.

22. Ambiguities. Each Party and its counsel have participated fully in the drafting, review, and revision of this Agreement. No rule of construction to the effect that ambiguities are to be resolved against the drafting Party shall be applied in the interpretation of this Agreement or any amendments or modifications thereof.

23. Entire Agreement. This Agreement constitutes the final, complete, and exclusive statement of the terms of the agreement among the Parties pertaining to the wheeling of water and supersedes all prior and contemporaneous understandings or agreements of the Parties. No Party has been induced to enter into this Agreement by, nor is any Party relying on, any representation or warranty outside those expressly set forth in this Agreement.

24. Counterparts. This Agreement may be executed in two or more counterparts, each of which, when executed and delivered, shall be an original and all of which together shall constitute one instrument, with the same force and effect as though all signatures appeared on a single document.

25. Modification Only in Writing. This Agreement may only be changed by written amendment signed by all Parties. Any oral representations or modifications concerning this Agreement shall be of no force or effect.

26. Notification. Unless and until changed by notification given in accordance with this Section, any notice, demand, or request to be given under or pursuant to this Agreement shall be given in writing at the physical addresses set forth below by personal service; overnight

courier; or registered or certified, first-class mail, return receipt requested, or via electronic mail at the email address set forth below:

If to Metropolitan:

The Metropolitan Water District of Southern California
P.O. Box 54153
Los Angeles, CA 90054-0153
Attention: General Manager

If to Calleguas:

Calleguas Municipal Water District
2100 Olsen Road
Thousand Oaks, CA 91360-6800
Attention: General Manager

If to City of Ventura:

City of Ventura
501 Poli Street
City Hall
Ventura, CA 93002-0099
Attention: City Manager

27. Dispute Resolution. The Parties agree to use their best efforts to prevent and resolve disputes by good faith cooperation and negotiation. In the event that any dispute arises among two or more Parties relating to this Agreement or the rights and obligations arising from this Agreement, the aggrieved Party or Parties shall provide written notice to the other Parties of the dispute. Within forty-five (45) days after such written notice, the Parties involved in the dispute shall attempt in good faith to resolve the dispute through informal means. If the Parties cannot agree upon a resolution of the dispute within forty-five (45) days from the providing of written notice specified above, the Parties involved in the dispute may decide to submit the dispute to mediation prior to commencement of any legal action. If the Parties involved in the

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dispute agree to mediation, they shall select a neutral third-party mediator with appropriate expertise to mediate the dispute and the cost of mediation shall be paid in equal proportion among the Parties involved in the dispute. If no mediation is held or upon completion of any mediation that is held, if the controversy has not been resolved, any Party may exercise all rights to bring a legal action relating to the dispute.

28. Representation by Counsel. Each Party acknowledges that it has been represented by legal counsel of its choice throughout the negotiations which preceded the execution of this Agreement and that it has executed this Agreement with the consent and on the advice of such legal counsel. Each Party further acknowledges that it and its counsel have had adequate opportunity to make whatever investigation or inquiry they may deem necessary or desirable in connection with the subject matter of this Agreement prior to the execution hereof and the delivery and acceptance of the consideration specified herein.

29. Joint Drafting. This Agreement has been jointly negotiated and drafted. The language of this Agreement shall be construed as a whole according to its fair meaning and not strictly for or against any Party.

30. Signing Authority. Each person executing this Agreement on behalf of a Party warrants and represents to the other Parties that he or she is duly authorized to execute this Agreement on behalf of such Party and has the authority to bind their Party to the performance of its obligations hereunder.

[signatures on following page]

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THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

_____ _____
Deven N. Upadhyay Dated
Interim General Manager

APPROVED AS TO FORM:

_____ _____
Marcia L. Scully Dated
General Counsel

CALLEGUAS MUNICIPAL WATER DISTRICT

_____ _____
Kristine McCaffrey Dated
General Manager

APPROVED AS TO FORM:

_____ _____
Walter E. Wendelstein Dated
District Counsel

CITY OF SAN BUENAVENTURA

_____ _____
Bill Ayub Dated
City Manager

APPROVED AS TO FORM:
Javan N. Rad, City Attorney

By: _____ _____
Miles Hogan Dated
Senior Assistant City Attorney

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EXHIBIT A

CALLEGUAS MUNICIPAL WATER DISTRICT

Calleguas-Ventura (C-V) Interconnection Pipeline Deliveries

For the month of August 2025

	Start Read	End Read	
Deliveries	7/31/2025	8/31/2025	Delivered
Meter C-V Interconnection	XXXX	XXXX	**234.0 Acre-Feet**

	Volume(acre-feet)	Rate ($/acre-foot)	Total
Delivery to C-V Interconnection[a]	234.0		
Calleguas System Loss at 0.5%[b]	1.2		
Delivery to Calleguas for Ventura[c]	235.2		
Metropolitan System Loss at 3%[d]	7.3		
Delivery to Metropolitan for Ventura[e]	242.5	$1,105	$267,962.50

a - Water delivered by Calleguas to Ventura at C-V Interconnection = V
b - Calleguas system loss calculated as 0.5% C (next footnote)
c - Water delivered by Metropolitan to Calleguas for Ventura = C = V / (1 - 0.005)
d - Metropolitan system loss calculated as 3% M (next footnote)
e - Water delivered to Metropolitan at Castaic Lake for Ventura = M = C / (1 - 0.03)

For the month of August 2025

Water Credited to Calleguas ..... **235.2 acre-feet**
Total Estimated Charges to Ventura **$267,962.50**

Signed by: _____ Date: _____
Name, Title
Calleguas Municipal Water District

AGREEMENT FOR PERMISSION TO DELIVER STATE WATER PROJECT WATER INTO THE SERVICE AREAS OF STATE WATER PROJECT CONTRACTORS METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA AND CITY OF SAN BUENAVENTURA (THROUGH VENTURA COUNTY WATERSHED PROTECTION DISTRICT) UNDER EMERGENCY CIRCUMSTANCES

This Agreement is entered into this _____ day of _____, 20_____ by The Metropolitan Water District of Southern California (Metropolitan), Calleguas Municipal Water District (Calleguas), and the City of San Buenaventura (Ventura), referred to individually as a "Party" or collectively as the "Parties."

RECITALS

A. Metropolitan is a public agency of the State of California incorporated under the Metropolitan Water District Act, Stats. 1969, ch. 209, as amended, codified at Section 109.1 *et seq*. of Appendix Section 109 to the California Water Code. It is a voluntary cooperative made up of its member agencies. Currently, Metropolitan imports water from the State Water Project (SWP) and the Colorado River and distributes water to its member agencies located in the counties of Los Angeles, Orange, Riverside, San Bernardino, San Diego, and Ventura. Metropolitan is a State Water Contractor with participating rights in the SWP.

B. Calleguas is a public agency organized under the Municipal Water District Act of 1911. Calleguas is a member agency of Metropolitan.

C. Ventura is a California Charter Law Municipal Corporation and is not a member agency of Metropolitan. Ventura shares the cost of the Ventura County Watershed Protection District SWP Contract with Casitas Municipal Water District and United Water Conservation District (United) and Ventura has the right to receive delivery of SWP water.

D. On May 1, 2023, an Agreement between Calleguas, Ventura, and United (Interconnection Agreement) was executed for construction and operation of the Calleguas-Ventura (C-V) Interconnection Pipeline to convey water between the Calleguas and Ventura distribution systems.

E. Ventura and Metropolitan intend to enter into an agreement for Metropolitan to wheel Ventura's SWP water from Metropolitan's SWP turnouts at Castaic Lake through Metropolitan's facilities to Calleguas (the "Wheeling Agreement"). Calleguas will then wheel Ventura's SWP water to Ventura through its own system and the new C-V Interconnection

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Pipeline and into Ventura's distribution system pursuant to the Interconnection Agreement.

F. In addition to the delivery of Ventura's SWP water on a regular basis, Calleguas and Ventura intend for the C-V Interconnection Pipeline to serve as a bidirectional emergency conveyance pipeline to provide water to each other during an emergency and to "pay back" that water after the emergency.

G. Metropolitan and Ventura (through the Ventura County Watershed Protection District) are SWP contractors and subject to the contractual restrictions therein. SWP contractors may not deliver water into another contractor's service area without that contractor's written consent.

NOW THEREFORE, in consideration of the foregoing and the mutual covenants set forth herein, and for other good and valuable consideration, the receipt, adequacy and sufficiency of which are acknowledged, the Parties agree as follows:

AGREEMENT

1. Purpose. This Agreement provides consent by each of Metropolitan and Ventura for SWP water to be delivered into each other's service area under the conditions stated in Sections 4, 5, 6 and 7.

2. Consent. Section 15(d) of the State Water Contract prohibits a contractor from providing SWP supplies to another contractor's service area without that contractor's consent. Accordingly, Metropolitan and Ventura hereby agree that during times of emergency caused by operational interruptions, as stated in Sections 4, 5, 6, and 7, Ventura may provide its water (which may include SWP water) to Metropolitan Member Agency Calleguas and Calleguas may provide Metropolitan water (which may include SWP water) to Ventura for the term of this Agreement. Emergencies pursuant to this Agreement include planned and unplanned water service interruptions and do not include drought conditions.

3. Notice of Emergency Delivery. Calleguas shall notify Metropolitan of emergency deliveries within 24 hours of the emergency, and provide the following information, including: start date for deliveries, the requesting party (Calleguas or Ventura), estimated duration and quantity of deliveries, the source of deliveries (e.g., local or SWP supply), and the reason for the emergency. Notification to parties shall be according to Section 11.

4. Permitted Delivery of Ventura SWP Water to Calleguas During Emergencies.

The consent provided herein is limited to an emergency circumstance that involves a planned or unplanned operational interruption that results in Metropolitan not being able to

deliver water to Calleguas. In that circumstance, Ventura may make emergency water deliveries to Calleguas that may include Ventura's SWP water delivered via the C-V Interconnection Pipeline.

5. Permitted Delivery of Metropolitan SWP Water to Ventura After Emergencies. In exchange for emergency water deliveries from Ventura, Calleguas intends to return an equal amount of water to Ventura using water that may include Metropolitan's SWP water. Ventura consents to delivery of Metropolitan's SWP water in Ventura's service area, limited to the return of water Calleguas owes Ventura for emergency water deliveries. Any return by Calleguas of emergency water deliveries shall not be subject to the Parties' Wheeling Agreement, as the water returned by Calleguas is not being wheeled on behalf of Ventura; it is water that Metropolitan delivered to Calleguas.

6. Permitted Delivery of Metropolitan SWP Water to Ventura During Emergencies. The consent provided herein is limited to an emergency circumstance that involves a planned or unplanned operational interruption in the service area of Ventura, during a time when Ventura's SWP water is unavailable for Metropolitan to wheel that water to Ventura. In that circumstance, Calleguas may make emergency water deliveries to Ventura that may contain Metropolitan's SWP water delivered via the C-V Interconnection Pipeline. Ventura consents to delivery of Metropolitan's SWP water within Ventura's service area during an emergency. Delivery by Calleguas of emergency water deliveries shall not be subject to the Parties' Wheeling Agreement, as the water delivered by Calleguas is not being wheeled on behalf of Ventura; it is water that Metropolitan delivered to Calleguas.

7. Permitted Delivery of Ventura SWP Water to Calleguas After Emergencies. In exchange for emergency water deliveries from Calleguas, Ventura intends to return an equal amount of water to Calleguas using water from its service area that may contain SWP water or from Ventura's SWP supply wheeled by Metropolitan to Calleguas under the Wheeling Agreement. Metropolitan consents to the delivery of Ventura's SWP water in Calleguas' service area, limited to the return of the water Ventura owes Calleguas for emergency water deliveries. If return is made using Ventura's SWP water wheeled by Metropolitan to Calleguas for Ventura, it will be subject to the Wheeling Agreement and the charges set forth therein, except that Calleguas need not wheel the water to Ventura as otherwise contemplated by the Wheeling Agreement.

8. Scope of Metropolitan's Obligations. This Agreement is limited to Metropolitan's and Ventura's consent for SWP water to be made available in its service area as described

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herein. It does not obligate Metropolitan to make water available to Calleguas for emergency deliveries to Ventura or for return of water by Calleguas to Ventura.

9. Commencement. This Agreement is effective on the date that the last party has executed the Agreement.

10. Termination. This Agreement terminates on December 31, 2055 or upon the termination of the current State Water Contracts with the California Department of Water Resources, whichever comes first.

11. Notification. Unless and until changed by notification given in accordance with this Section, any notice, demand, or request to be given under or pursuant to this Agreement shall be given in writing at the physical addresses set forth below by personal service; overnight courier; or registered or certified, first-class mail, return receipt requested, or via electronic mail at the email address set forth below:

If to Metropolitan:

The Metropolitan Water District of Southern California
P.O. Box 54153
Los Angeles, CA 90054-0153
Attention: General Manager

If to Calleguas:

Calleguas Municipal Water District
2100 Olsen Road
Thousand Oaks, CA 91360-6800
Attention: General Manager

If to City of Ventura:

City of Ventura
501 Poli Street
City Hall
Ventura, CA 93002-0099
Attention: City Manager

[signatures on following page]

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THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

_____ _____
Deven N. Upadhyay Dated
Interim General Manager

APPROVED AS TO FORM:

_____ _____
Marcia L. Scully Dated
General Counsel

CALLEGUAS MUNICIPAL WATER DISTRICT

_____ _____
Kristine McCaffrey Dated
General Manager

APPROVED AS TO FORM:

_____ _____
Walter E. Wendelstein Dated
District Counsel

CITY OF SAN BUENAVENTURA

_____ _____
Bill Ayub Dated
City Manager

APPROVED AS TO FORM:
Javan N. Rad, City Attorney

By: _____ _____
Miles Hogan Dated
Senior Assistant City Attorney

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One Water & Stewardship Committee

Information on proposed agreements with the City of San Buenaventura and Calleguas Municipal Water District for wheeling and emergency delivery of State Water Project water

Item 9-2

February 10, 2025

Metropolitan-Ventura-Calleguas

Wheeling and Emergency Water Deliveries

Subject

Information on proposed agreements with the City of Buenaventura and Calleguas Municipal Water District for wheeling and emergency delivery of State Water Project water

Purpose

Provide information on the proposed wheeling of up to 2,000 acre-feet per year of Ventura State Water Project water through Metropolitan's system and the proposed emergency water delivery between Calleguas and Ventura during emergencies.

The two proposed agreements described on this item would increase resilience in Ventura County. Both agreements terminate on December 31, 2055

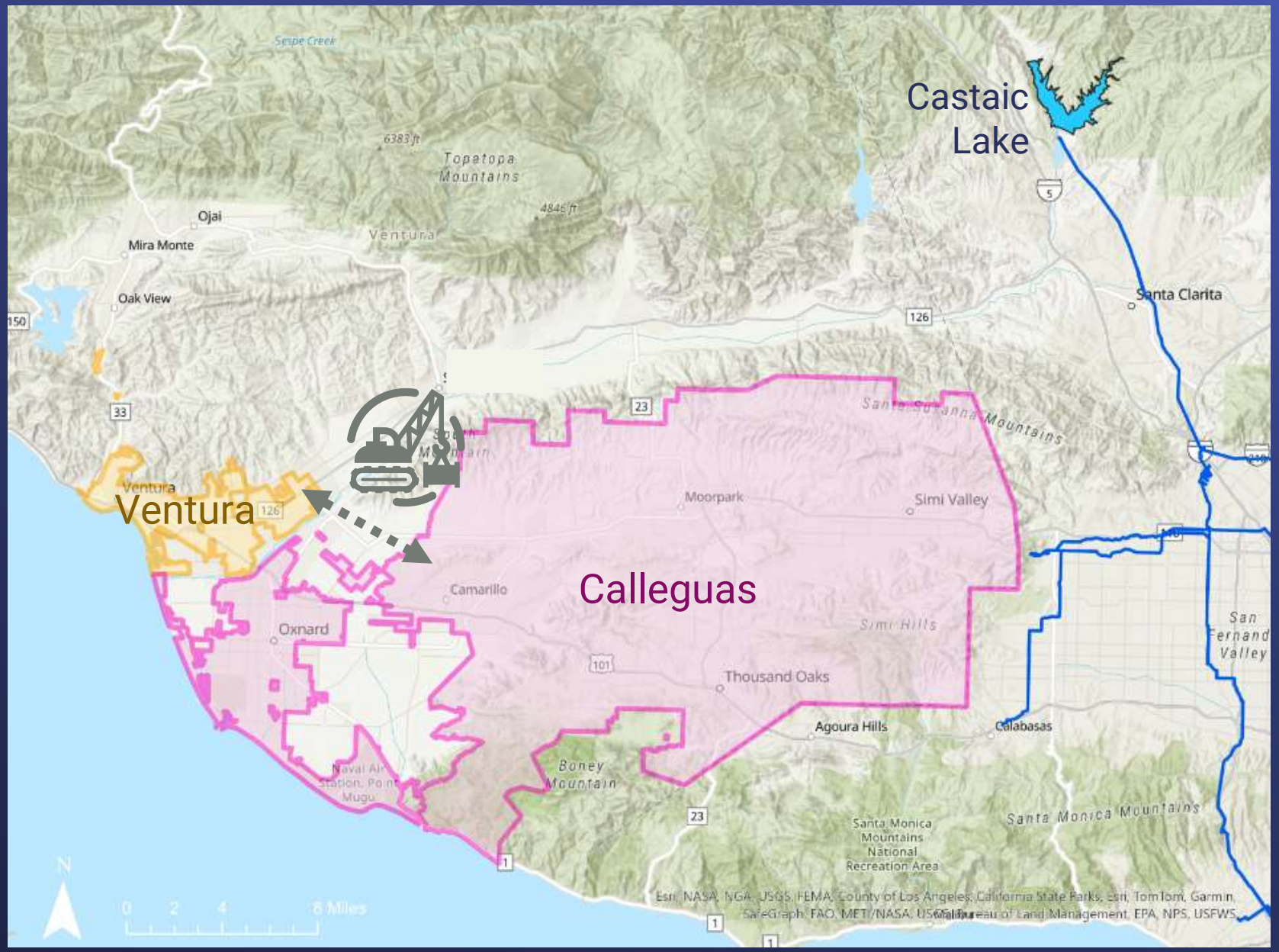
Next Steps

Staff will return to the One Water and Stewardship Committee in March 2025 to seek Board's authorization.

Increasing Resilience in Ventura County

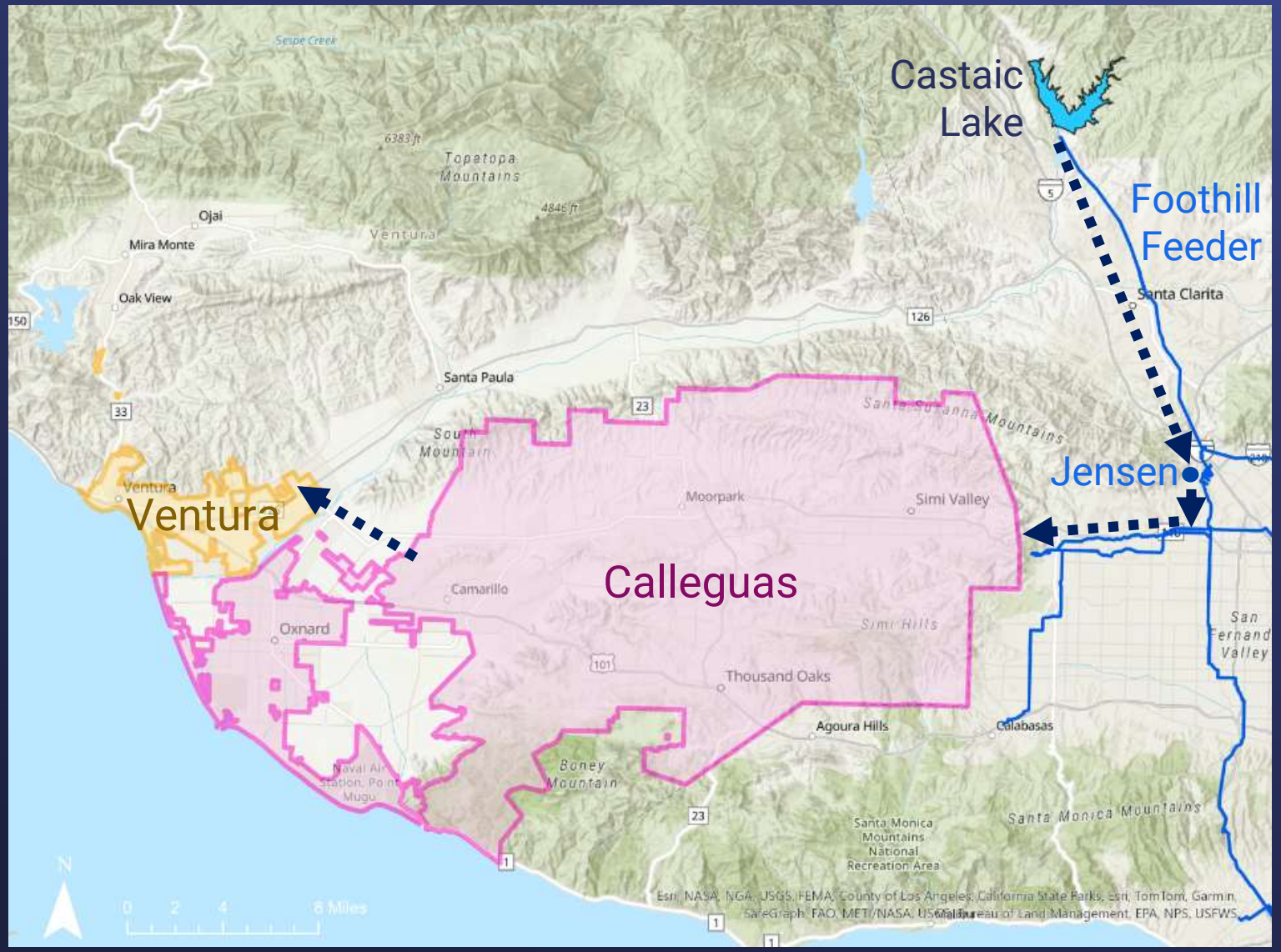
Calleguas-Ventura Interconnection Project

Calleguas and Ventura are building a seven-mile-long pipeline connecting their systems.



Wheeling Ventura SWP Water

City of Ventura is a SWP contractor via the Ventura County Watershed Protection District



Metropolitan

- Takes delivery of Ventura SWP water at Castaic
- Wheels water via Foothill Feeder
- Treats water at Jensen
- Delivers treated Ventura SWP water to Calleguas

Calleguas

- Takes delivery of treated Ventura SWP from Metropolitan
- Wheels water via its distribution system
- Delivers treated Ventura SWP water to Ventura

Metropolitan-Ventura-Calleguas

Proposed Wheeling Agreement Terms

Summary of the wheeling agreement

- Ventura proposes to receive up to 2,000 acre-feet per year of their SWP water via wheeling

Financial Compensation

- Wheeling price is a fixed dollar amount
  - For calendar year 2026 the price is $1,215 per acre-foot
  - Annual increases based on a Consumer Price Index related to Water and Sewerage Infrastructure costs
- Ventura continues to pay its SWP charges
  - Metropolitan is not assuming any State Water Contract responsibility

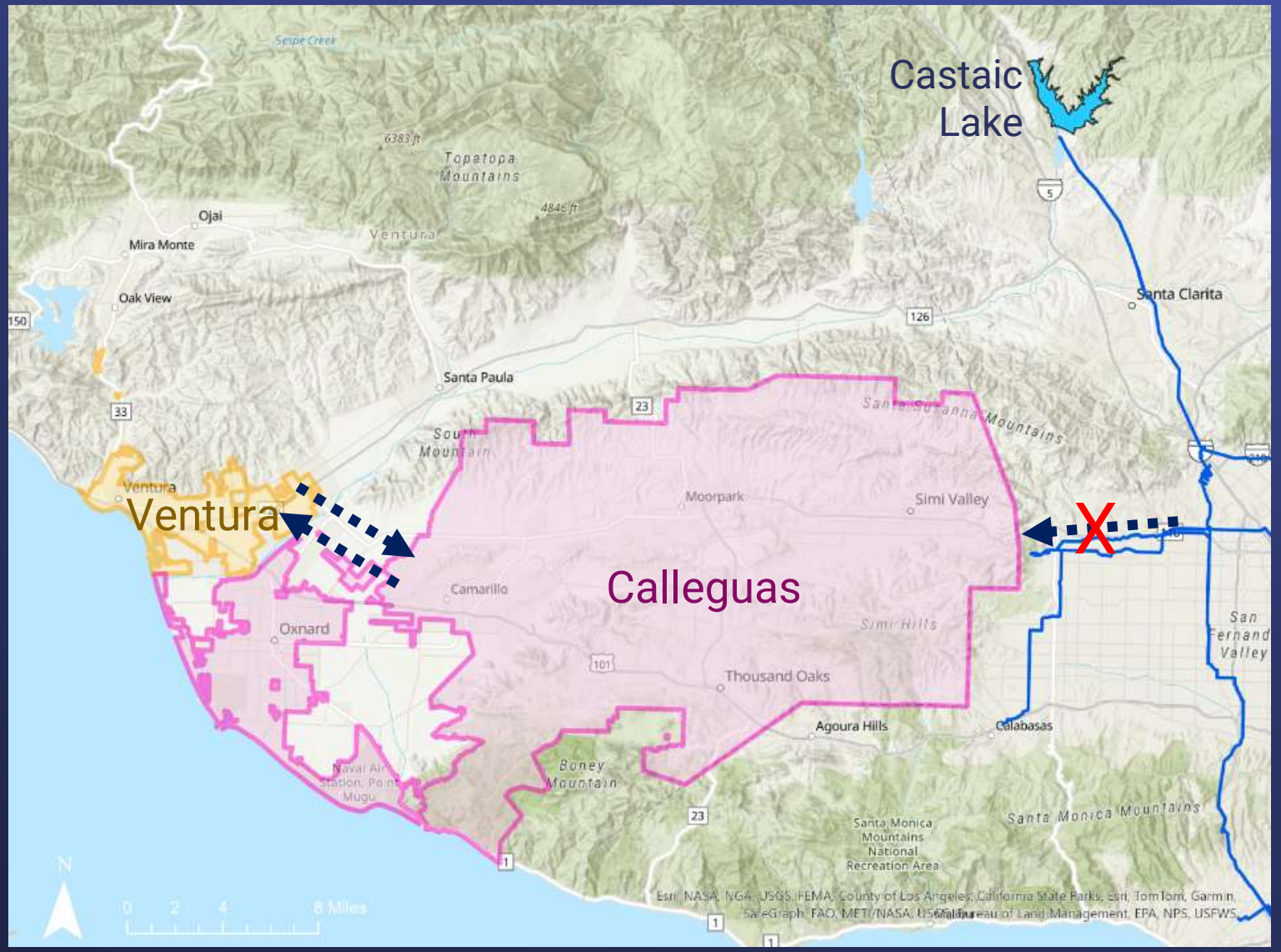
Operational Considerations

- Metropolitan staff will determine available capacity prior to wheeling
- System losses will be applied for the wheeled water
- Metropolitan will deliver treated water to Calleguas via existing service connections

Emergency Water Deliveries

Calleguas receives imported supplies from Metropolitan via a single-entry point

- During emergencies that prevent Metropolitan from delivering to Calleguas
- Ventura and Calleguas could take deliveries from each other during emergencies
- Since their supply might contain SWP water, authorization from Metropolitan is needed



Metropolitan-Ventura-Calleguas

Proposed Emergency Water Deliveries Agreement Terms

Summary of the emergency use of SWP supplies agreement

- Calleguas and Ventura propose borrowing water from each other during emergency circumstances
- The agency borrowing the water will return an equal amount
- Calleguas would purchase Metropolitan water to return to Ventura after the emergency at the full Metropolitan rate

Definition of Emergencies

- Planned and unplanned water service interruptions
- Emergencies do not include drought conditions

Scope of Metropolitan's obligations

- Limited to consent for water to be delivered in each other's (Ventura or Calleguas) service area
- No obligation for Metropolitan to make water available to Calleguas for emergency deliveries to Ventura or for return of water by Calleguas to Ventura

Next Steps

- Receive board feedback
- Return to the board with an action item in March 2025

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Information

- **Board of Directors**
  One Water and Stewardship Committee

2/11/2025 Board Meeting

9-3

Subject

Update on treatment approaches, contingencies, and amendments to the High Desert Water Bank Program agreement.

Executive Summary

This letter provides an update on the status, debt financing, groundwater modeling, and water quality of the High Desert Water Bank (HDWB or Water Bank) Program with Antelope Valley-East Kern Water Agency (AVEK). In September 2023, the Metropolitan Board authorized additional funding for the HDWB to cover costs due to (1) higher-than-anticipated rates of inflation due to supply chain constraints and other factors; (2) revisions to the design, construction, and operation of the Water Bank's recharge and recovery facilities; and (3) the need for additional electrical infrastructure to support the operation of the Water Bank's facilities. Staff provided the Board with additional information related to the potential need for arsenic treatment and estimated costs and also provided information regarding the detection of nitrate. At that time, additional analysis and modeling were needed to better understand the groundwater basin's potential water quality changes over time and the project's potential impacts on nearby private and agricultural wells. The modeling is complete, and the results helped staff identify the appropriate arsenic treatment technology and optimize the design of the arsenic treatment system. There are also several considerations that are being evaluated that may lead to a more comprehensive and cost-effective approach to address arsenic and nitrate.

In December 2024, Metropolitan entered into a System Conservation Implementation Agreement (SCIA) with the United States Bureau of Reclamation (USBR). Under the SCIA, USBR agreed to provide $82 million in funding for the Water Bank in exchange for Metropolitan leaving 168,000 acre-feet (AF) of conserved Colorado River water in Lake Mead. Funding provided by USBR under the SCIA could be withdrawn by future congressional action or delayed by the new federal administration. Staff will continue to monitor developments and provide updates as more information becomes available.

In the adopted Biennium Budgets for Fiscal Years 2022/23-2023/24 and 2024/25-2025/26, the Board approved debt financing the HDWB to reduce cash expenditures. The HDWB Agreement term ends on September 20, 2037; however, in order to debt finance the capital costs of the HDWB over a longer term of the project's useful life, the HDWB Agreement must be amended to authorize the debt service payments of the bonds and extended to accommodate the maturity of the bonds to be issued.

Staff will return to the Board to request authorization for recommended treatment approaches and costs, and any necessary amendments to the HDWB Agreement, and to provide regular updates.

Fiscal Impact

The HDWB Program has two main financial components: (1) capital costs that will be financed, and (2) operating and maintenance (O&M) costs. The financed capital costs will be amortized over a term of up to 30 years, while the O&M costs will span through 2057, the new term of the HDWB Agreement after execution of the optional extension provision. Staff anticipates that the long-term bond financing for board-approved capital costs to date

will have an annual debt service payment of approximately $10.4 million, depending upon debt structure and market conditions at the time of sale. The primary O&M costs are estimated to be $0.60 million annually.

Alternative strategies identified by staff for the treatment of arsenic and nitrate will have additional capital and O&M costs. The preliminary estimated capital and O&M costs for arsenic treatment range from $44 million to $55 million (in total) and $6 million per year, respectively. The range of the preliminary estimated capital and O&M costs for nitrate treatment are up to $250 million (in total) and $4 million per year, respectively.

In addition, staff and AVEK will be working to develop options to mitigate the impacts of the HDWB operations on nearby wells.

Applicable Policy

By Minute Item 50302, dated November 10, 2015, the Board authorized entering into an agreement for Storage and Exchange Programs with AVEK.

By Minute Item 51564, dated April 9, 2019, the Board authorized entering into an agreement for the High Desert Water Bank Program with AVEK.

By Minute Item 55360, dated September 12, 2023, the Board authorized up to $80 million for additional costs associated with changes to the High Desert Water Bank Program with AVEK.

Metropolitan Water District Administrative Code Section 4203: Water Transfer Policy

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

Related Board Action(s)/Future Action(s)

Staff plans to return to the Finance and Asset Management Committee in March or April 2025 to bring an Amended and Restated HDWB Agreement, together with other required bond-related documents, for the Board's consideration.

Details

Background

In April 2019, the Board authorized the General Manager to enter into an agreement with AVEK (the HDWB Agreement). At that time, the Board approved capital payments for the HDWB Program of up to $131 million.

In March 2023, staff informed the Board that resampling of the first four pilot recovery wells revealed that arsenic levels in all four wells were above the Maximum Contaminant Level (MCL) of 10 micrograms per liter (µg/L), ranging from 11 to 19 µg/L. Based on the water quality data, performance requirements, project constraints, and cost-effectiveness for large flow rates, coagulation followed by sedimentation was the recommended treatment process. Staff provided a preliminary cost estimate for the construction of a treatment facility and its O&M. Nitrate levels in the ten completed recovery wells range from 2.7 to 5.9 milligrams per liter (mg/L) as nitrogen (N), below the MCL of 10 mg/L as N. However, these levels are higher than the background levels in the California Aqueduct and Metropolitan's systems.

In September 2023, the Board authorized additional funding for the HDWB of up to $80 million for various unforeseen issues that have impacted the HDWB and increased estimated costs since it was approved in 2019. These include: (1) higher-than-anticipated rates of inflation due to supply chain constraints and other factors; (2) revisions to the design, construction, and operation of the Water Bank's recharge and recovery facilities, which are necessary to achieve the original performance targets; and (3) the need for additional electrical infrastructure to support the operation of the Water Bank's facilities. The additional $80 million did not include the then-unknown water quality treatment capital costs for arsenic ($44-$55 million) or nitrate (up to $250 million), which are explained in more detail below. Combined with the original approval for $131 million, the additional $80 million results in a total of $211 million in authorized expenditures.

In December 2024, AVEK's consultants, Montgomery & Associates and Stantec, completed additional groundwater modeling for the HDWB, confirming that the one-year recharge goal of 70,000 AF is achievable. However, due to groundwater mounding during recharge, infiltration rates decrease, and the project cannot sustain

recharge rates to store a full 70,000 AF every year within a four-year period. Continuous recharge for periods longer than one year is projected to increase the likelihood of groundwater levels rising above 75 feet below ground surface (ft bgs) beneath the California Aqueduct, which would require a modification to recharge operations to limit additional groundwater level rise to less than 50 ft bgs. Groundwater levels above 50 ft bgs beneath the aqueduct could increase the likelihood of liquefaction and hydro-collapse during an earthquake near the HDWB, which could damage the aqueduct. If conditions were such that there was a need to continuously store supplies, the project could recharge about 64 percent of the 280,000 AF total storage volume. In other words, it would take longer than four years to fully store the 280,000 AF. Additionally, the study confirmed that the one-year recovery goal of 70,000 AF is achievable. However, the total projected recovered volume will depend on the frequency of recovery and available stored water due to mounding.

In January 2025, Montgomery & Associates also completed a report to assess the potential impacts of the HDWB operations on nearby private domestic wells and Tejon Ranch (TR) groundwater wells. Groundwater levels are projected to rise during recharge and fall during recovery compared to levels prior to HDWB operation in the three private domestic wells located immediately east of the HDWB and the two TR wells located on the HDWB property. Lower groundwater levels in the wells may require the owners to modify well operations and may result in temporary higher pumping costs. Conversely, groundwater level rise during recharge events could result in greater well production and/or lower pumping costs. TR requested an analysis of multiple operating scenarios for their wells. The model results indicate that the TR's pumping capacity would decline in all scenarios. The maximum total reduction in pumping capacity for the TR wells is approximately 44 percent of the original total capacity of the wells. Staff has asked AVEK to evaluate the potential impact of the pumping of the TR wells on AVEK's ability to pump water from the HDWB recovery wells. Depending on the results of the analysis, staff and AVEK will work with TR to develop options for considerations to mitigate the pumping impacts.

As of January 2025, Metropolitan has paid approximately $100.95 million and $1.03 million to reimburse AVEK for Water Bank capital and O&M costs, respectively. AVEK has completed the construction of ten recovery wells, five monitoring wells, and the turn-in/turnout facilities for the California Aqueduct. Construction of the Stage 1 Recharge Basins was completed in July 2023, and delivery of State Water Project (SWP) supplies to the Water Bank began in September 2023. Construction of the Stage 2 Recharge Basins was completed in September 2024, and Metropolitan began delivering SWP supplies to the Water Bank in October 2024. To date, Metropolitan has stored about 45,000 AF before losses. There are no fees to put water in the HDWB. However, Metropolitan will pay AVEK a recovery usage fee of $100/AF (escalated annually by the Consumer Price Index). Additionally, 10 percent of the water Metropolitan delivers for storage is subject to a one-time loss/leave behind.

Amendment(s) to the Existing Agreement

Staff is working on amendments to the agreement to include updated language related to the design changes, operation and maintenance, funding for the water treatment facilities, and requirements to comply with the SCIA with USBR.

Water Quality Update

Arsenic and nitrate are constituents of concern at the HDWB. Based on the samples collected from the ten existing wells, the average arsenic concentrations range from 8.4 µg/L to 20 µg/L, which exceed California's primary MCL for arsenic of 10 µg/L. The average nitrate concentrations range from 2.7 mg/L to 5.9 mg/L, which are less than California's primary MCL for nitrate in drinking water of 10 mg/L as N, but are above Department of Water Resources (DWR)'s Pump-In Policy requirements and higher than Metropolitan's current nitrate levels. In September 2023, staff informed the Board that additional modeling was required to help staff select the appropriate treatment technology and optimize the design of the treatment system and remaining recovery wells.

In October 2024, AVEK's consultant, Stantec, completed the Water Bank Groundwater Treatment – Design Development Study. The objectives of the study were to: (1) answer key technical questions and prepare an updated cost estimate for the preferred arsenic treatment system, and (2) develop a conceptual nitrate management option including treatment alternatives. For the arsenic treatment, a coagulation followed by sedimentation process was selected due to its low process energy cost, minimal maintenance requirements, ability to handle long periods of non-operation, and quick start-up after non-operation. The recommended nitrate treatment alternative is

ion exchange. Ion exchange systems are simple to operate, can be monitored remotely, can target specific contaminants, and have small footprints. The capital and O&M costs will depend on the target nitrate concentration set for the HDWB water.

Arsenic

The recommended treatment process to meet the MCL consists of coagulation, flocculation, and sedimentation to precipitate the arsenic and remove it through the settling of particles. Like traditional treatment plants, coagulants are added to the water and are thoroughly mixed prior to flocculation. The flocs then settle in the sedimentation basin to form a layer of sludge. The effluent water from the sedimentation basins will be sent back to the aqueduct. There were two alternatives evaluated for the flocculation-sedimentation processes in the study: (1) a conventional treatment train involving mechanical flocculation and typical sedimentation basins with mechanical sludge removal (Option 1); and (2) a simple, non-mechanical system involving hydraulic flocculation and dual-purpose sedimentation basins that accumulate sludge and are taken offline for dewatering and drying in the basin (Option 2). The estimated capital cost ranges for treatment Options 1 and 2 are $120 million – $190 million and $44 million - $55 million, respectively. Option 2 better meets the project constraints with reduced mechanical equipment and maintenance. The estimated O&M cost for this option range from $6 million – $11 million per year.

Nitrate

Although the nitrate levels in the recovery wells are below the California primary MCL for drinking water of 10 mg/L as N, they exceed the ambient water quality levels in the SWP Aqueduct. Staff previously informed the Board that nitrate may also require treatment to comply with the Department of Water Resources' (DWR) Pump-in Policy and Metropolitan's Board-adopted policy governing the introduction of new water sources into treated and untreated conveyance facilities. As an alternative to the treatment approach described below, and consistent with DWR pump-in policy, Metropolitan intends to work with DWRs Facilitation Group and advocate for introducing HDWB supplies without nitrate treatment. Since Metropolitan is the largest downstream SWP Contractor, staff does not anticipate any issues. Metropolitan understands that there are some member agencies that may be impacted by increased Nitrate levels in SWP supplies. Metropolitan will work with the member agencies to determine acceptable Nitrate concentrations. If treatment is ultimately required, the potential treatment alternative under consideration for the Water Bank is the ion exchange technology. The estimated capital and O&M costs for ion exchange treatment depend on the target nitrate concentration set for the HDWB water. The estimated capital and O&M costs to treat nitrate in the HDWB to below 0.7 mg/l, which is the current nitrate level of the SWP water, are up to $250 million and $4 million per year, respectively.

Project Partnership as an Alternative to Direct Treatment for Arsenic and Nitrate

Staff has been in discussions with the Los Angeles Department of Water and Power (LADWP) to evaluate the possibility of constructing new infrastructure as well as utilizing existing infrastructure to move water from the HDWB to the LA Aqueduct, which passes near the HDWB on its way into the City of Los Angeles. Moving water directly to the LA Aqueduct would avoid the need to introduce water into the SWP and would potentially remove the need to construct nitrate or arsenic treatment facilities at the HDWB. LADWP and Metropolitan are considering entering into a Memorandum of Agreement (MOA). The intent of the MOA is for LADWP and Metropolitan to collaborate, explore, and potentially develop a mutually beneficial water supply management project to utilize existing and planned infrastructure to help address issues with the Water Bank's water quality, as well as water delivery to the SWP-dependent area in the west side of Metropolitan's service area.

Finance Update and Proposed Agreement Amendments

In the adopted Biennium Budgets for Fiscal Years 2022/23-2023/24 and 2024/25-2025/26, the Board approved debt financing the HDWB to reduce upfront cash expenditures. Staff and the bond financing team considered options to debt finance the HDWB Program using Metropolitan's revenue bond program or an alternative project financing approach utilizing a third-party JPA. Staff recommends the JPA approach considering benefits to the preservation of Metropolitan's debt capacity and debt service coverage. To debt finance the capital costs of the HDWB Program, utilizing the AVEK Finance Authority JPA, the HDWB Agreement must be amended and restated to include required payment provisions. These amendments include the addition of a schedule of

installment payments that will match the debt service payments of the bonds; securing Metropolitan's obligation to pay installment payments as a first-tier parity obligation under its Master Subordinate Resolution; and extending the agreement's term to match the maturity of the bonds to be issued. In addition to an Amended and Restated HDWB Agreement, staff will seek approval of other debt-finance-related agreements from the Finance and Asset Management Committee to effectuate the bond transaction.

Summary

The estimated range for arsenic treatment capital costs for Option 1 and Option 2 are $120 million – $190 million and $44 million - $55 million, respectively. The estimated capital and O&M costs to treat nitrate in the HDWB to below 0.7 mg/l, which is the current nitrate level of the SWP water, are up to $250 million and $4 million per year, respectively. In December 2024, Metropolitan entered into an SCIA with USBR under which USBR agreed to provide $82 million in funding for the Water Bank in exchange for Metropolitan leaving 168,000 AF of conserved Colorado River water in Lake Mead. The funding will defray Metropolitan's overall costs on the project by paying for the construction of new infrastructure such as wells, recovery facilities, water treatment facilities, and on-site electrical. Funding provided by USBR under the SCIA could be withdrawn by future congressional action or delayed by the new federal administration. Staff will continue to monitor developments and provide updates as more information becomes available. Staff will work with DWR to determine if a revision to the existing pump-in policy on the SWP is an appropriate approach to avoid treatment for nitrate. Staff will also continue to work with LADWP to enter into the MOA and collaborate on a project that will be mutually beneficial for water supply management by utilizing existing and planned infrastructure to potentially reduce water quality capital treatment costs related to arsenic and/or nitrate. Staff will seek approval for the debt finance-related amendments to the HDWB Agreement from the Finance and Asset Management Committee in March or April 2025. Staff will incorporate committee feedback and return to the Board to request authorization for the additional costs for treatment options, and necessary contract amendments in the fourth quarter of 2025.

2/5/2025

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2/5/2025

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Ref# wrm12698298

One Water and Stewardship Committee

Update On Treatment Approaches, Contingencies, and Amendments to the High Desert Water Bank Program Agreement

Item 9-3

February 10, 2025

Item #9-3

AVEK High Desert Water Bank

Subject

Update On Treatment Approaches, Contingencies, and Amendments to the High Desert Water Bank Program Agreement

Purpose

AVEK HDWB Program could store up to 280,000 acre-feet of SWP Table A or other supplies in the Antelope Valley groundwater basin in an account designated for Metropolitan. This is to provide an update status on treatment approaches and amendments on the project agreement.

Original Authorization

- Board authorized in April 2019
- Capital costs up to $131 million
- Program size:
  - Storage capacity of 280,000 AF
  - Put/take capability of 70,000 AFY
  - Would more than double existing direct pump-back
- Agreement term: 2019 - 2037
  - 20-year no cost option to extend

Board Updates and Additional Authorization

- Authorization of additional $80M for increases to capital costs
  - Total authorization $211M
- Information on changes to water quality
  - Arsenic concentration, treatment, costs
  - Other constituents of concern
- Additional modeling needed
  - Evaluate recharge and recovery performance
  - Impacts to surrounding wells
  - Potential water quality changes over time and treatment

Evaluation of HDWB Performance with Phase 3 Groundwater Model

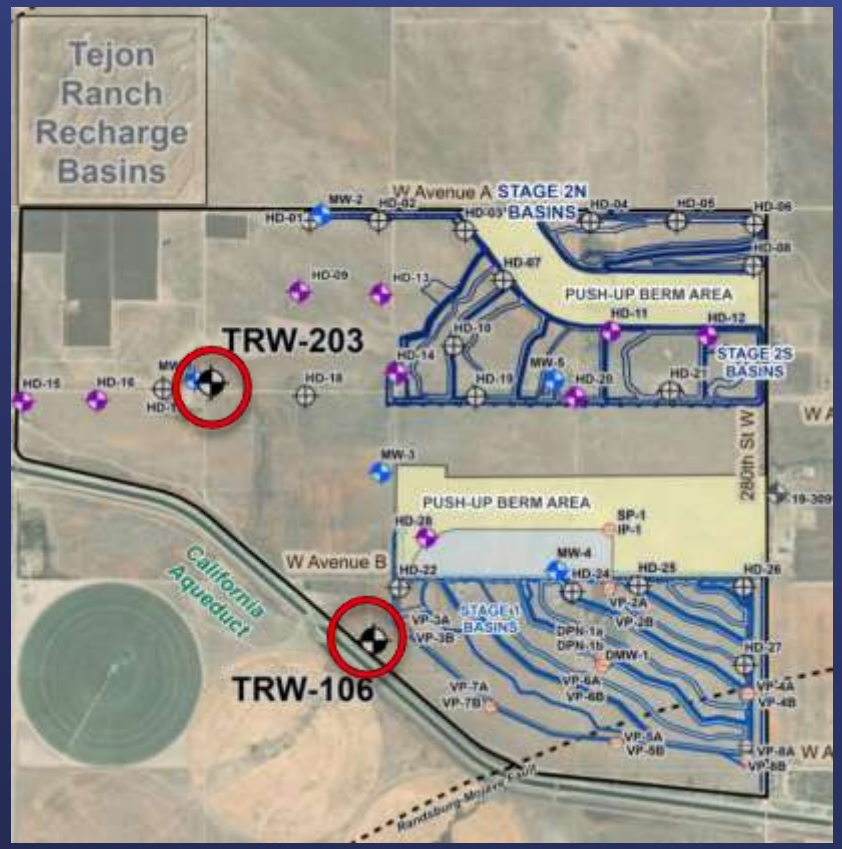
- Modeling confirmed single-year recharge and recovery goal of 70,000 acre-feet
  - Recharge capacities may decrease due to mounding resulting from continuous recharge
  - Recovered volume will depend on the frequency of recovery and available stored water
- Continuous recharge may have impacts to SWP resulting in the need for modification to recharge operations

Evaluation of Recharge and Recovery Performance

Impacts to Surrounding Wells

Tejon Ranch Model Simulations

- Nearby Domestic Wells and Tejon Ranch Wells
  - Levels in all nearby wells expected to rise and drop during full recharge and full recovery events
  - May require modification of well operations and potential added costs
  - If necessary, Metropolitan and AVEK will work with Watermaster to develop options to mitigate and monitor potential impacts



HDWB Groundwater Treatment - Design Development Study

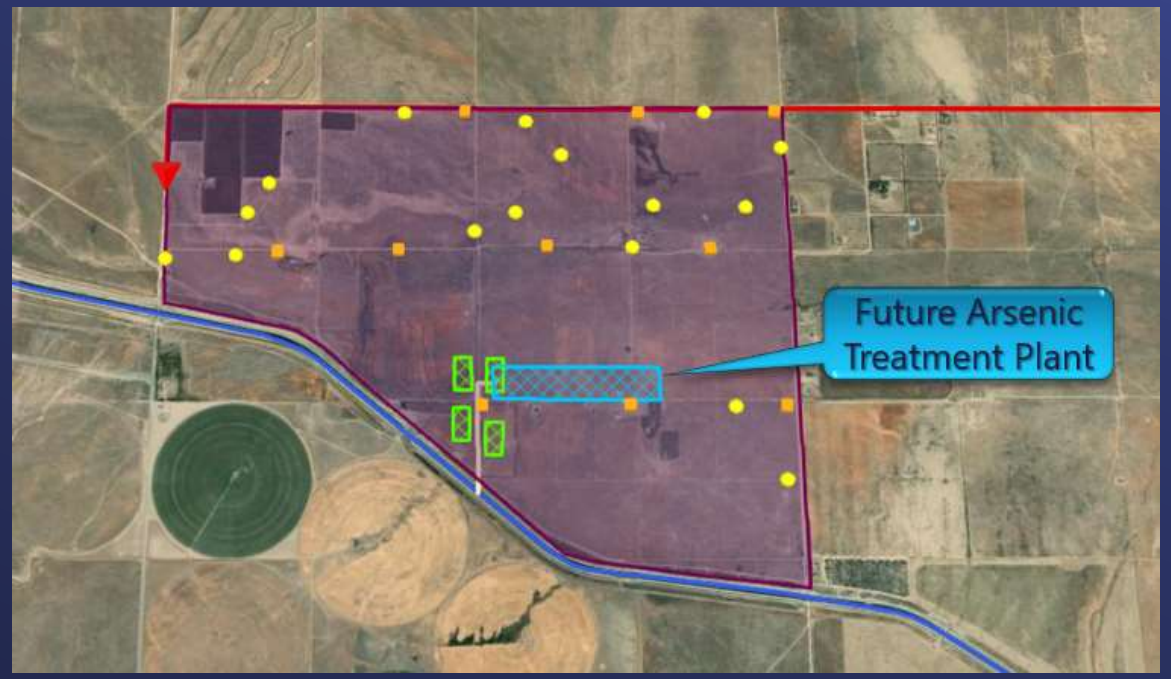
- Objectives
  - Answer key technical questions and prepared an updated cost estimate for arsenic treatment system
  - Develop a conceptual nitrate management option including treatment alternatives and cost

Constituents of Concern	Proposed Treatment Process	Estimated Capital Cost ($ Million)	Estimated O&M Cost ($ Million / year)
Arsenic	Coagulation and Sedimentation	$44M - $55M	$6M - $11M
Nitrate	Ion Exchange	Up to $250M	$4M

Water Quality Changes and Treatment

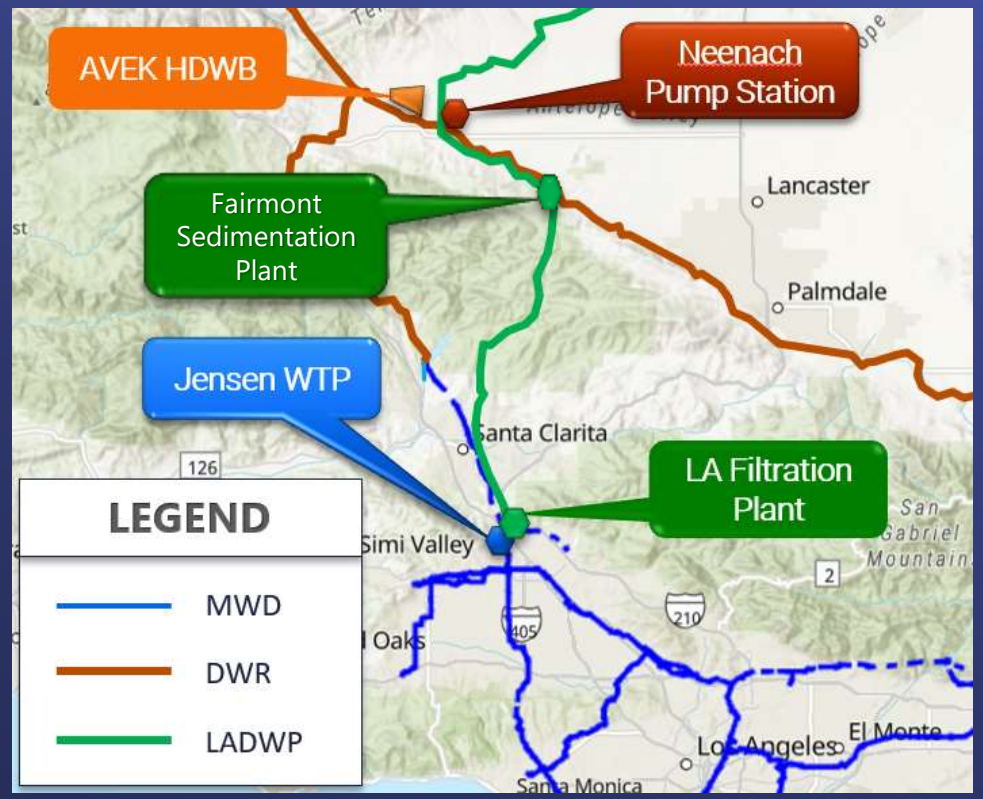
Arsenic and Nitrate Treatment Facilities

- Identified location within project footprint for construction of arsenic treatment system
- Nitrate treatment facility may be co-located



Potential Partnership with LADWP

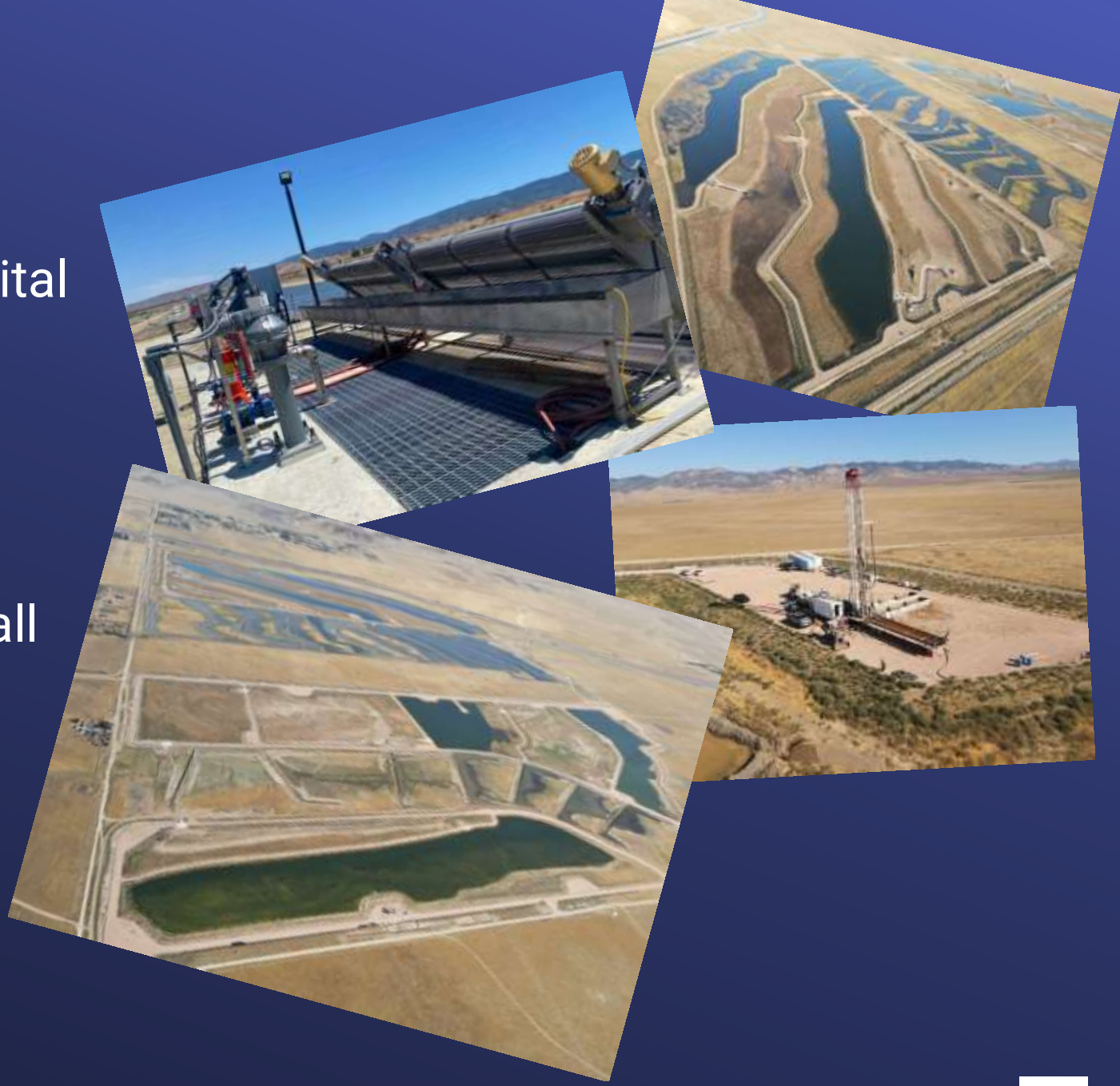
- Opportunity to deliver water from HDWB to LA Aqueduct through Neenach Pump Station
- Could address water quality issues
  - Arsenic could be treated at the Fairmont Sedimentation Plant
  - Nitrate levels in LAA with AVEK pump in would not be significantly degraded
- Ability to move water to West side of Metropolitan's service area



- Developing a Memorandum of Agreement to collaborate, explore, and potentially develop a mutually beneficial water supply management solution

Project Status

- As of January 2025, Metropolitan provided about $101 million for capital and about $1 million for O&M
- Completed construction of 10 recovery wells, 5 monitoring wells, pipelines, turn-in/out facilities, and all recharge basins
- Stored about 45,000 acre-feet



Status of Federal Funding

- Board Authorized entering into agreement with USBR
- System Conservation Implementation Agreement (SCIA) was executed in December 2024
- Eligible for up to $82 Million
  - In exchange for 168,000 acre-feet of Colorado River water stored in Lake Mead
- Funding will pay for infrastructure such as wells, recovery facilities, water treatment facilities, and on-site power
  - Scheduled payment #1 anticipated in Q3 of 2025
- Update on environmental documents

Agreement Amendments

- Anticipated Changes to the HDWB Program
  - Modification of funding language to include language on debt capacity and debt service coverage, and required payment provisions for HDWB
  - Extend agreement term by 20 years (exercise no cost option already authorized by Board)
  - Include requirements to comply with the SCIA
  - Add new language to include the design changes, operation and maintenance responsibilities and costs, and responsibilities for water treatment facilities

Summary

- Project has begun recharging and there is stored water in the bank
- Evaluation of models on project performance, impacts on nearby wells, and water quality is almost complete
  - Confirmed treatment process and updated costs for arsenic
  - Identified treatment process and costs for nitrate
  - If necessary, develop options to mitigate impacts
- The Metropolitan and LADWP project partnership could remove the need for direct treatment and move water to the west side
  - The estimated cost for partnership with LADWP is not determined yet
  - Developing Memorandum of Agreement with LADWP

Next Steps

- Continue to develop Project partnership with LADWP
- Determine whether arsenic and nitrate treatment facilities are necessary
- Complete evaluation of groundwater modeling
- Continue to monitor the USBR funding status
- Additional Board action: Return the Board for additional costs for either treatment or LA partnership option and amendment to the agreements

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA