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.

FAAME Committee

C. Miller, Chair
D. Alvarez, VC Budget
J. Armstrong
G. Bryant
B. Dennstedt
L. Fong-Sakai
J. McMillan
M. Petersen
B. Pressman
T. Quinn
K. Seckel

Finance, Affordability, Asset Management, and Efficiency Committee

Meeting with Board of Directors *

April 8, 2025

8:30 a.m.

Tuesday, April 8, 2025
Meeting Schedule

08:30 a.m. FAAME
10:15 a.m. LEGAL
11:30 a.m. Break
12:00 p.m. BOD
01:30 p.m. CWC

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: 862 4397 5848.

Members of the public may present their comments to the Board on matters within their jurisdiction as listed on the agenda via in-person or 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
Teleconference Locations:
3008 W. 82nd Place • Inglewood, CA 90305
SDCWA • Lobby Conference Room • 4677 Overland Avenue • San Diego, CA 92123
1005 South Cardiff Street • Anaheim, CA 92806
525 Via La Selva • Redondo Beach, CA 90277

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* The Metropolitan Water District's meeting of this Committee is noticed as a joint committee meeting with the Board of Directors for the purpose of compliance with the Brown Act. Members of the Board who are not assigned to this Committee may participate as members of the Board, whether or not a quorum of the Board is present. In order to preserve the function of the committee as advisory to the Board, members of the Board who are not assigned to this Committee will not vote on matters before this Committee.

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

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

2. CONSENT CALENDAR OTHER ITEMS - ACTION

A. Approval of the Minutes of the Finance, Affordability, Asset Management, and Efficiency Committee Meeting for March 11, 2025 **21-4418**

Attachments: 04082025 FAAME 2A (03112025) Minutes

3. CONSENT CALENDAR ITEMS - ACTION

7-6 Approve Climate Adaptation Master Plan for Water Five-Year Implementation Strategy; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA **21-4419**

Attachments: 04082025 FAAME 7-6 B-L
04082025 FAAME 7-6 Presentation

7-7 Adopt resolutions fixing and adopting a Readiness-to-Serve Charge and a Capacity Charge for calendar year 2026; the General Manager has determined the proposed action is exempt or otherwise not subject to CEQA **21-4420**

Attachments: 04082025 FAAME 7-7 B-L
04082025 FAAME 7-7 Presentation

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

4. OTHER BOARD ITEMS - ACTION

NONE

5. BOARD INFORMATION ITEMS

9-3 Real Property Quarterly Report (Q3 January 1, 2025 through March 31, 2025) **21-4422**

Attachments: 04082025 FAAME 9-3 Report

6. COMMITTEE ITEMS

NONE

7. MANAGEMENT ANNOUNCEMENTS AND HIGHLIGHTS

a. Finance, Affordability, Asset Management, and Efficiency activities **21-4424**

Attachments: 04082025 FAAME 7a Finance and Administration activities

8. SUBCOMMITTEE REPORTS AND DISCUSSION

a. Report from Subcommittee on Long-Term Regional Planning Processes and Business Modeling **21-4425**

b. Discuss and provide direction to Subcommittee on Long-Term Regional Planning Processes and Business Modeling **21-4426**

9. FOLLOW-UP ITEMS

NONE

10. FUTURE AGENDA ITEMS

11. ADJOURNMENT

NOTE: This committee reviews items and makes a recommendation for final action to the full Board of Directors. Final action will be taken by the Board of Directors. Committee agendas may be obtained on Metropolitan's Web site https://mwdh2o.legistar.com/Calendar.aspx. This committee will not take any final action that is binding on the Board, even when a quorum of the Board is present.

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.

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

MINUTES

FINANCE, AFFORDABILITY, ASSET MANAGEMENT, AND EFFICIENCY COMMITTEE

March 11, 2025

Chair Miller called the meeting to order at 8:30 a.m.

Members present: Directors Alvarez, Armstrong, Bryant, De Jesus, Dennstedt, Fong-Sakai, McMillan, Miller, Pressman (teleconference posted location), and Seckel (entered after rollcall).

Members absent: Directors Gold, Petersen, and Quinn.

Other Members present: Ackerman, Dick, Erdman (teleconference posted location), Faessel, Goldberg, Katz, Kurtz, Lefevre (teleconference posted location), Lewitt, Morris, and Ortega.

Committee Staff present: Beatty, Benson, Kasaine, Rubin, Upadhyay, and Williams.

1. OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE COMMITTEE ON MATTERS WITHIN THE COMMITTEE'S JURISDICTION

Phillip Musegaas, San Diego Coast Keeper commented on item 6a.
Maura Monagan, LA Water Keeper commented on item 6a.

CONSENT CALENDAR ITEMS -- ACTION

2. CONSENT CALENDAR OTHER ITEMS-ACTION

A. Subject: Approval of the Minutes of the Finance and Asset Management Committee Meeting for February 11, 2025

3. CONSENT CALENDAR -ACTION

7-8 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

Motion: 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.

No presentation was requested.

7-9 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

Motion: 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.

No presentation was requested.

Director Bryant made a motion, seconded by Director Dennstedt, to approve the consent calendar consisting of items 2A, 7-8 and 7-9 option 1.

The vote was:

Ayes:	Directors Alvarez, Armstrong, Bryant, De Jesus, Dennstedt, Fong-Sakai, McMillan, Miller, and Pressman.
Noes:	None
Abstentions:	None
Not Voting	Director Miller, item 7-8
Absent:	Directors Gold, Petersen, Quinn, and Seckel.

The motion for items 2A and 7-9 passed by a vote of 9 ayes, 0 noes, 0 abstain, and 4 absent.

The motion for item 7-8 passed by a vote of 8 ayes, 0 noes, 0 abstain, 1 not voting and 4 absent.

END OF CONSENT CALENDAR ITEMS

4. OTHER CONSENT ITEMS – ACTION

None

5. BOARD INFORMATION ITEMS

None

6. COMMITTEE ITEMS

a. Subject: Review Draft Climate Adaptation Master Plan for Water Implementation Strategy

Presented by: Liz Crosson, Chief Sustainability, Resiliency & Innovation Officer

Ms. Crosson introduced the item and provided a summary of climate adaptation master plan for water, climate risks and vulnerabilities, and various climate scenarios. Her presentation included implementation strategy outline, resource-based time-bound targets, policy-based time-bound targets, adaptation strategies, and water supply reliability signpost metrics. Lastly, she provided an overview of next steps.

Director Seckel entered the meeting.

The following Directors provided comments or asked questions:

1. Armstrong
2. Erdman
3. De Jesus
4. Fong-Sakai
5. Seckel
6. Dennstedt
7. Ortega
8. Goldberg
9. Alvarez
10. Kurtz
11. Miller

Staff responded to the Directors' comments and questions.

7. MANAGEMENT ANNOUNCEMENTS AND HIGHLIGHTS

a. Subject: Financial and Asset Management Activities

Mr. Benson stated the report was posted to the website.

8. SUBCOMMITTEE REPORTS AND DISCUSSION

a. Subject: Report from Subcommittee on Long-Term Regional Planning Processes and Business Modeling

Director Seckel updated the committee on items discussed at the February 25, 2025, Joint Task Force meeting.

b. Subject: Discuss and provide direction to Subcommittee on Long Term Regional Planning Processes and Business Modeling

No direction was given.

9. FOLLOW-UP ITEMS

Director Erdman requested bringing the risk associated with asset management to the March 26 Subcommittee on Long-Term Regional Planning Processes and Business Modeling.

10. FUTURE AGENDA ITEMS

None

11. ADJOURNMENT

The meeting adjourned at 9:54 a.m.

C. Martin (Marty) Miller
Chair

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

4/8/2025 Board Meeting

7-6

Subject

Approve Climate Adaptation Master Plan for Water Five-Year Implementation Strategy; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

In February 2023, the Board directed staff to integrate water resources, climate considerations, and financial planning into a Climate Adaptation Master Plan for Water (CAMP4W). In October 2023, the Board chartered a Joint Task Force of Board Members and Member Agency Managers to facilitate the development of CAMP4W in a timely and transparent process. Rooted in adaptability, Metropolitan's CAMP4W, through its implementation, will facilitate Metropolitan's continued reliability and resilience in the face of change and uncertainty while responding to real-world conditions, course correcting as needed, and achieving its core mission to provide safe, reliable water to its member agencies.

CAMP4W comprises multiple components which together form a living master planning program. This item presents the CAMP4W Five-Year Implementation Strategy, which both culminates the initial planning phase and sets forth a critical path towards implementing and institutionalizing climate adaptation at Metropolitan over the next five years. The components of the CAMP4W Implementation Strategy include the Background and Purpose, Assessed Vulnerabilities and Needs, Time-Bound Targets, Policy Framework, Climate Decision-Making Framework, and a set of Implementation Timelines. The timelines include projected board decision points for water, energy, and infrastructure projects and programs to comprehensively prepare the Board and member agencies for anticipated CAMP4W assessments and decisions. These timelines are iterative and subject to change based on evolving information and adaptation needs, and progress will be reported annually in the CAMP4W Annual Reports. The recommended action is limited to approving the above-described process. Recommendations for action on specific investments will be brought to the Board separately, when and as appropriate.

Proposed Action/Recommendations and Options

Staff Recommendation: Option #1

Option #1

Approve Climate Adaptation Master Plan for Water Five-Year Implementation Strategy

Fiscal Impact: None
Business Analysis: The Implementation Strategy will inform decision-making and future investments to meet Metropolitan's needs in a climate-impacted future.

Option #2

Do not approve.
Fiscal Impact: None
Business Analysis: Metropolitan staff would not have board direction to implement the policy guidance, decision-making tools, and next steps included in the CAMP4W Implementation Strategy.

Alternatives Considered

Not applicable

Applicable Policy

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute Item 52776, dated April 12, 2022, the Board adopted the 2020 Integrated Water Resources Plan Needs Assessment.

By Minute Item 52946, dated August 15, 2022, the Board adopted a resolution affirming Metropolitan's call to action and commitment to regional reliability for all member agencies.

By Minute Item 53381, dated September 12, 2023, the Board approved the use of Representative Concentration Pathway (RCP) 8.5 for planning purposes in the Climate Adaptation Master Plan for Water.

By Minute Item 53630, dated May 14, 2024, the Board concurred with the CAMP4W: Draft Year One Progress Report and Next Steps, with the understanding that staff would provide the Board updated data and other information before consideration and approval of any CAMP4W projects.

Related Board Action/Future Action

Not applicable

Summary of Outreach Completed

Staff continues to engage member agencies, their boards and councils, as well as the public in the CAMP4W process. Engagement opportunities to date included listening sessions with environmental and community-based organizations as well as agricultural and business partners. Metropolitan held a public forum and has shared information on CAMP4W at various events throughout its service area.

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

To ensure the continued reliability of water supplies for our member agencies and their customers, Metropolitan embarked on the development of a Climate Adaptation Master Plan for Water (CAMP4W), a comprehensive set of policy directives and decision-making tools to ensure the Board of Directors is equipped to consider climate risks to water supplies, water quality, infrastructure, operations, workforce, public health, and financial sustainability in its deliberations and investment decisions. CAMP4W provides a roadmap to guide future investments and decision-making as we confront our new climate reality in the years and decades ahead.

CAMP4W comprises multiple components which together form a living master planning program. This item presents staff's recommendation for the CAMP4W Five-Year Implementation Strategy, which both culminates the initial planning phase and sets forth a critical path towards implementing and institutionalizing climate adaptation at Metropolitan over the next five years.

Approval of the Implementation Strategy would direct staff to analyze planned programs and projects based on specific criteria that ensure consideration of climate change impacts and climate vulnerabilities throughout Metropolitan activities and to systematically institutionalize climate adaptation practices and policies to:

1) Institute the consideration of climate change impacts and climate vulnerabilities throughout Metropolitan activities.
2) Enhance resource planning with the integration of climate and financial information.
3) Increase the frequency of updates to resource needs and the factors that drive them.
4) Set targets to guide the development of potential projects and programs to increase climate resilience and ensure continued reliability.
5) Strengthen decision-making on project and program investments through greater transparency and more holistic and uniform analyses.
6) Establish an adaptive management approach to better manage uncertainty and remain responsive to evolving conditions.

The CAMP4W components are depicted in Figure 1. Foundational inputs to the planning process and implementation decisions (on the left-hand side of the figure) include the Integrated Water Resources Plan Regional Needs Assessment, Climate Risk and Vulnerability Assessments, ongoing Infrastructure Studies and Assessments, as well as regular public and partner engagement. The components of the Implementation Strategy include the Time-Bound Targets and Policy Framework as the drivers, the Climate Decision-Making Framework for assessing projects and programs, an adaptive management approach to monitoring, reporting, and adjusting, as well as the Implementation Timelines, which will lay out key milestones over the next five years. The business model is currently under review in a parallel process, and any final decisions from that process will be integrated into CAMP4W assumptions and analyses when appropriate. Although these tools and foundational elements will be deployed over the long term, staff will update the Implementation Strategy more frequently to account for new information and the uncertainty associated with climate change.

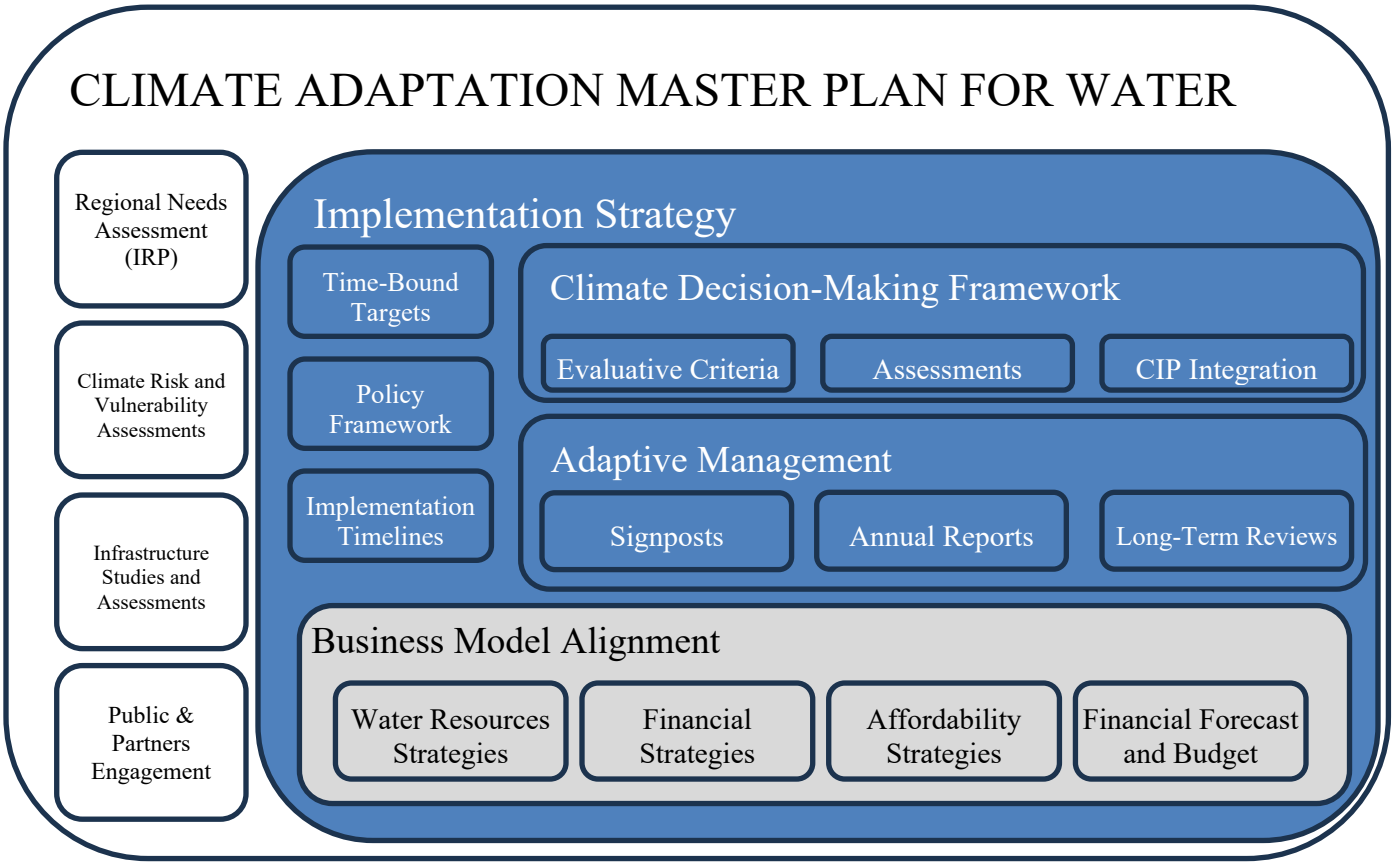


Figure 1: Climate Adaptation Master Plan for Water Components

The components of the CAMP4W Implementation Strategy (**Attachment 1**) include the Background and Purpose, Assessed Vulnerabilities and Needs, Time-Bound Targets, Policy Framework, Climate Decision-Making Framework and a set of Implementation Timelines, which include projected board decision points for water, energy, and infrastructure projects and programs to comprehensively prepare the Board and member agencies for anticipated CAMP4W assessments and decisions. These timelines are iterative and subject to change based on evolving information and adaptation needs, and progress will be reported annually in the CAMP4W Annual Reports. This action is limited to approving the components of the Implementation Strategy, including the Policy Framework and Climate Decision-Making Framework. Specific projects and other investments will be brought to the Board separately, when and as appropriate.

Staff revised the Implementation Strategy based on input received from the CAMP4W Task Force, board leadership and member agencies over the last several months. Specifically, a Water Quality Resilience section was added to the Risks and Vulnerabilities section as were several potential initiatives and climate-induced challenges related to water quality. The Implementation Timelines provide anticipated CAMP4W Assessments for at least four major projects in 2025, including Pure Water Southern California, Sites Reservoir, Delta Conveyance Project and Metropolitan's Water Efficiency Program. The timelines also lay out ongoing

studies and planning processes to identify new and emerging climate adaptation strategies, including efforts related to water resources, infrastructure, power supply, conservation and the business model review. Following board approval of this recommended action, staff intends to use these timelines to guide next steps and will immediately initiate CAMP4W Assessments for a suite of projects/programs, including those listed above, and will prepare for subsequent board review and consideration of the assessments.

4/2/2025

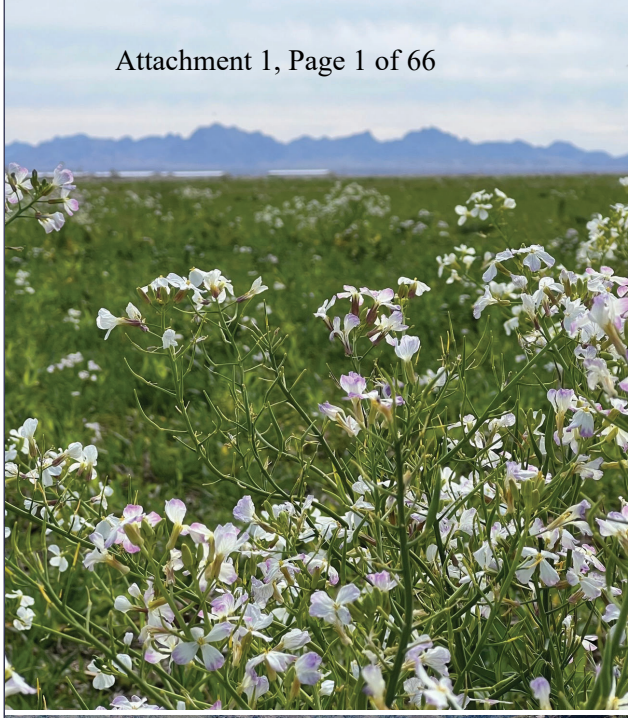
Elizabeth Crosson *Date*
Chief Sustainability, Resilience and Innovation Officer

4/2/2025

Deven N. Upadhyay *Date*
General Manager

Attachment 1 – Climate Adaptation Master Plan for Water Implementation Strategy

Ref# sri12707391



CAMP4W

Climate Adaptation Master Plan for Water

Implementation Strategy

The Metropolitan Water District of Southern California

APRIL 2025

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A Special Note from the Board Chair

Dear Reader:

On behalf of the Board of Directors of the Metropolitan Water District of Southern California, I am proud to present our Five-Year Implementation Strategy aimed at advancing Metropolitan's climate adaptation efforts. This marks an important milestone in our journey to ensure a sustainable water future for Southern California.

Over the past two years, the Board has undertaken a robust, challenging, and collaborative process with our member agencies to reaffirm our core mission: delivering reliable and high-quality water in the face of the escalating resource, infrastructure, and financial challenges wrought by increasing climate volatility. The Climate Adaptation Master Plan for Water (CAMP4W) is not your typical master plan. Rather than being confined to static binders, it is defined by iterative, adaptive, and innovative decision-making tools and policy directives that institutionalize climate adaptation and adaptive management throughout our agency.

The planning dynamics that have shaped this strategy are critical to understand. Over the last 30 years, we have invested over a billion dollars in water efficiency and demand management, leading to significantly declining water use across Southern California. While this has been an environmental success, it has resulted in reduced water sales and revenue at a time when we face multiple challenges—most notably climate change and the necessity of maintaining our vast, century-old infrastructure that transports water from the Colorado River and Northern California.

Our ongoing transformation from an agency focused solely on importing water to one that actively enhances resilience through local supply diversification demonstrates our commitment to adapting to these challenges. We have already amassed storage of record-setting dry-year supplies made possible by our regional efficiency and conservation achievements, and recent good rain years. Yet, as Metropolitan incentivized the construction of local recycling as well as other forms of demand management, and storage, we drastically reduced the sale of imported water and thus our main source of revenue.

Fortunately, through our local resilience, we gained a head start as the reliability of our imported sources is declining. On the Colorado River, we face increased competition from states like Wyoming, Colorado, Utah, and New Mexico for severely climate-impacted water resources. Since losing half of Southern California's Colorado supplies in 2003, Metropolitan has steadily made innovative investments in farm water conservation, ensuring a more reliable water supply for the Colorado River Aqueduct. A successful resolution to ongoing negotiations among the seven basin states that also include Arizona and Nevada and Mexico, could enable us to replicate these conservation investments across state lines to bolster the overall resilience of not only California, but the entire Southwest. But this will take more innovation and investment to accomplish.

Water resources from Northern California that must pass through the deteriorating Sacramento-San Joaquin Delta and its eroding levees are subject to significant supply risks. Regulatory obstacles and litigation currently exacerbate the difficulty in moving water south, as well as the ability to adapt to climate change. The State of California's potential construction of a $20 billion underground tunnel to protect from the risk of levee failure provides an alternative in a natural disaster and underscores the magnitude of the challenges we face. Metropolitan would bear the major portion of that cost, while continuing to contribute to the cost of maintaining and improving the current levee system benefitting our region as well as other areas of the State.

To withstand threats to our imported supplies building projects such as the $8 billion Pure Water Southern California treatment system in Carson, California, deserve serious consideration. Over time they can enable us to reuse billions of gallons of wastewater currently being discharged into the ocean. When and how to build the types of large projects I have described in these paragraphs without overburdening ratepayers, especially those with lower incomes, is a major objective of CAMP4W.

CAMP4W addresses our need to adapt financially, policy-wise, and politically from where we are today in the state of our infrastructure. The CAMP4W effort has facilitated the development of a new decision-making framework, essential for responding effectively to the multidimensional challenges that we are encountering along with the volatile climate.

On behalf of the Board, I would like to thank General Manager Deven Upadhyay for his disciplined and determined leadership; as well as his team, especially Chief Sustainability Officer Liz Crosson who patiently spearheaded the complex effort and who will guide us through its implementation. The team includes our Finance, Water Resources Planning, External Affairs, Engineering & Operations executives and staff as well as our Board support group. Committee Chair Matt Petersen and Vice Chair Karl Seckel brings vision and understanding to this effort; and Board Vice Chair Gail Goldberg and Finance Chair Tim Smith much necessary guidance. Finally, thank you to our member agency managers whose work is not done. I imagine them bringing the pragmatism of Metropolitan's founders striving to define the common benefits of Metropolitan's mission to a region that has been transformed into the 11th largest economy of the world.

I invite you to explore the Climate Adaptation Master Plan for Water and join us in this crucial endeavor. We also urge you to review our most recent SB60 report submitted to the California legislature outlining achievements in conservation, water recycling and groundwater storage. Our most recent report shows how residents have reduced water use by over 45% since the 1990's. It demonstrates that together, we can continue safeguarding our water future and building resilient communities for generations to come.

Adán Ortega, Jr.
Chair of the Board
Metropolitan Water District of Southern California

Acknowledgements

This progress report for the Climate Adaptation Master Plan for Water would not be possible except for the dedication of Task Force Members, Metropolitan's Staff, and consultants.

Task Force Members

Directors

Adán Ortega, Jr. (Chair), City of San Fernando

Matt Petersen (Task Force Chair), *City of Los Angeles*

Karl Seckel (Task Force Vice Chair), *Municipal Water District of Orange County*

S. Gail Goldberg (Vice Chair of the Board – Finance, Audit and Planning), *San Diego County Water Authority*

Nancy Sutley (Vice Chair of the Board - Climate Action), *City of Los Angeles*

Desi Alvarez, *West Basin Municipal Water District*

Jeff Armstrong, *Eastern Municipal Water District*

Dennis Erdman, *Municipal Water District of Orange County*

Stephen J. Faessel, *City of Anaheim*

Lois Fong-Sakai, *San Diego County Water Authority*

Mark Gold, *City of Santa Monica*

Jacque McMillan, *Calleguas Municipal Water District*

Tracy Quinn, *City of Los Angeles*

Member Agency Managers

Cesar Barrera, *City of Santa Ana*

Anselmo Collins, *City of Los Angeles*

Harvey De La Torre, *Municipal Water District of Orange County*

Dan Denham, *San Diego County Water Authority*

Shivaji Deshmukh, *Inland Empire Utilities Agency*

Anatole Falagan, *City of Long Beach Water Department*

Nina Jazmadarian, *Foothill Municipal Water District*

Tom Love, *Upper San Gabriel Valley Municipal Water District*

Craig Miller, *Western Municipal Water District*

Kristine McCaffrey, *Calleguas Municipal Water District*

Joe Mouawad, *Eastern Municipal Water District*

Chisom Obegolu, *Glendale Water and Power*

Dave Pedersen, *Las Virgenes Municipal Water District*

Stacie Takeguchi, *Pasadena Water and Power*

Metropolitan Staff

Deven Upadhyay (General Manager)

Elizabeth Crosson (Chief Sustainability, Resilience, and Innovation Officer)

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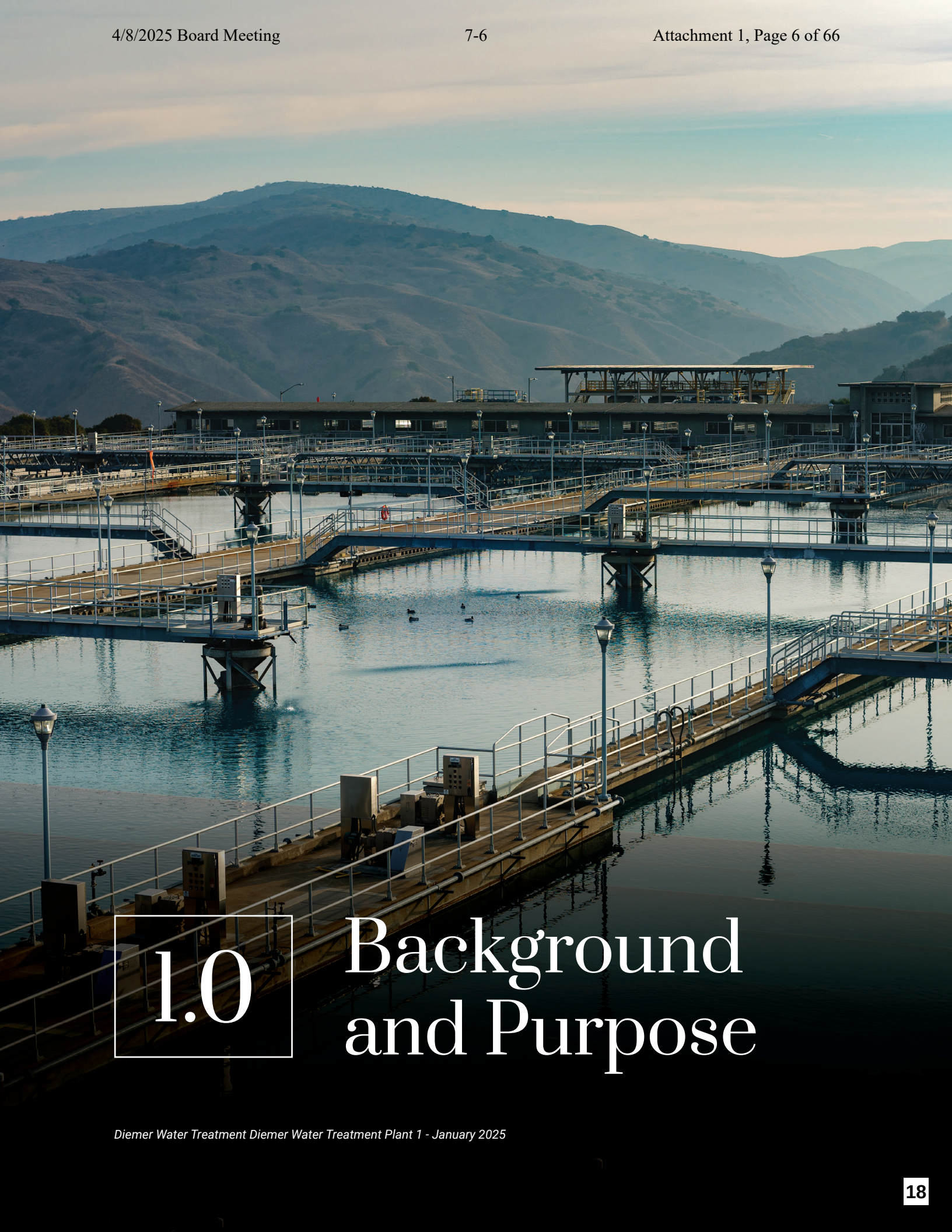
Hampik Dekermenjian, *Hazen and Sawyer*

Sarah Dominick, *Hazen and Sawyer*



1.0 Background and Purpose

Diemer Water Treatment Diemer Water Treatment Plant 1 - January 2025

1.1 Problem Statement and Purpose of Climate Adaptation Planning and the CAMP4W Process

Climate change poses a significant threat to Metropolitan's ability to fulfill its mission and to the sources of water supply upon which Southern California relies. Extreme weather conditions in recent years have presented Southern Californians with an unsettling preview of the challenges ahead – weather whiplash is abruptly swinging the state from periods of severe and extended drought to record-setting wet seasons. Hazards from wildfire, extreme heat events, high winds, and sea level rise all pose risk to Metropolitan's critical infrastructure, such as those experienced during the 2025 wildfires, as well as to the ecosystems from which Metropolitan's water supply derives. There is no question that climate change is here and putting mounting pressure on the year-to-year management of our available water resources and infrastructure.

To ensure the continued reliability of water supplies for the communities we serve, Metropolitan embarked on the development of a comprehensive Climate Adaptation Master Plan for Water (CAMP4W), a comprehensive set of policy directives and decision-making tools that ensures the Board of Directors is equipped to consider climate risks to water supplies, water quality, infrastructure, operations, workforce, public health, and financial sustainability to its deliberations and investment decisions. It provides a roadmap to guide future investments and decision-making as we confront our new climate reality in the years and decades ahead.

By adopting the CAMP4W, the Board of Directors has directed staff to analyze planned programs and projects based on specific criteria that ensure consideration of climate change impacts and climate risk vulnerabilities throughout Metropolitan activities and to systematically institutionalize climate adaptation practices and policies to:

- Institute the consideration of climate change impacts and climate risks and vulnerabilities throughout Metropolitan activities;
- Enhance resource planning with the integration of climate and financial information;
- Increase the frequency of updates to resource needs and the factors that drive them;
- Set targets to guide the development of potential projects and programs to increase climate resilience and ensure continued reliability;
- Strengthen decision-making on project and program investments through greater transparency and more holistic and uniform analyses; and
- Establish an adaptive management approach to better manage uncertainty and remain responsive to evolving conditions.

1.2 Role of Implementation Strategy within the CAMP4W Process

The Climate Adaptation Master Plan for Water comprises multiple components which together form a living master planning program (Figure 1-1). Rooted in adaptability, Metropolitan's CAMP4W, through its implementation, will facilitate Metropolitan's continued reliability and resilience in the face of change and uncertainty while responding to real world conditions, course correcting as needed, and reducing the risk of over or under development. CAMP4W will allow the Board to balance the risks associated with either creating stranded assets or the devastating risk of having shortages or disruption in service, which would weaken Metropolitan's ability to achieve its core mission to provide safe, reliable water to its Member Agencies.

Through this CAMP4W Implementation Strategy, the Climate Decision-Making Framework, policy directives, partnership goals, and project and program timelines are combined to support near-term climate adaptation decision-making and implementation. Included is a defined set of new and ongoing tasks with an achievable timeline, the progress of which will be reported annually through the CAMP4W Annual Report. Modifications to the strategy will be made as needed to incorporate updated information and lessons learned. This adaptive management approach is depicted in Figure 1-1, presenting the key components in the development and implementation of the CAMP4W process.

Preparing for the future and providing a reliable supply of water to its Member Agencies are not new to Metropolitan. However, the CAMP4W process places adaptation in light of climate change at the forefront of planning, to intentionally look at all aspects of Metropolitan's resources, system and processes through a holistic lens and to transparently inform decision-making.

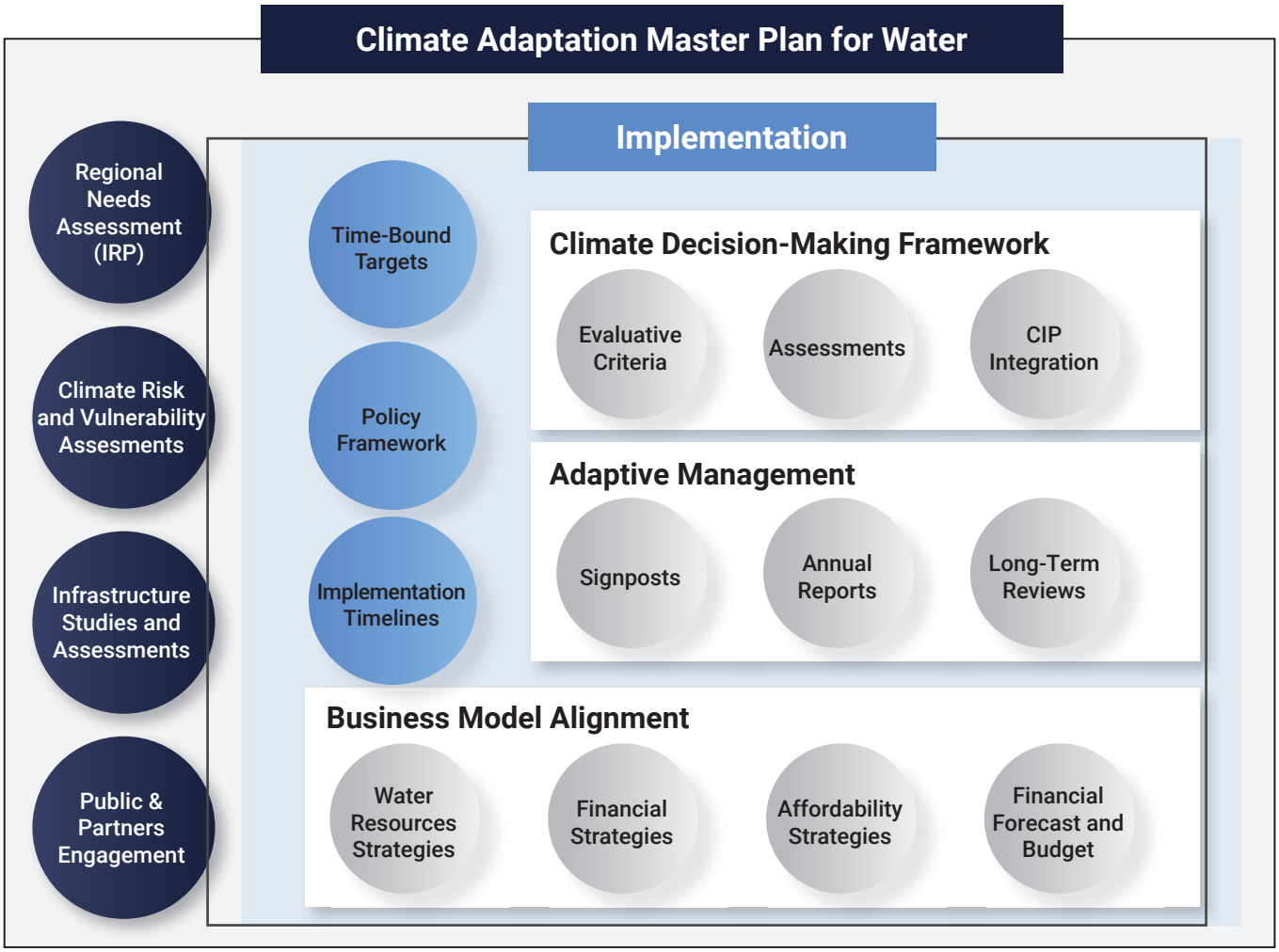


Figure 1-1. Climate Adaptation Planning Components

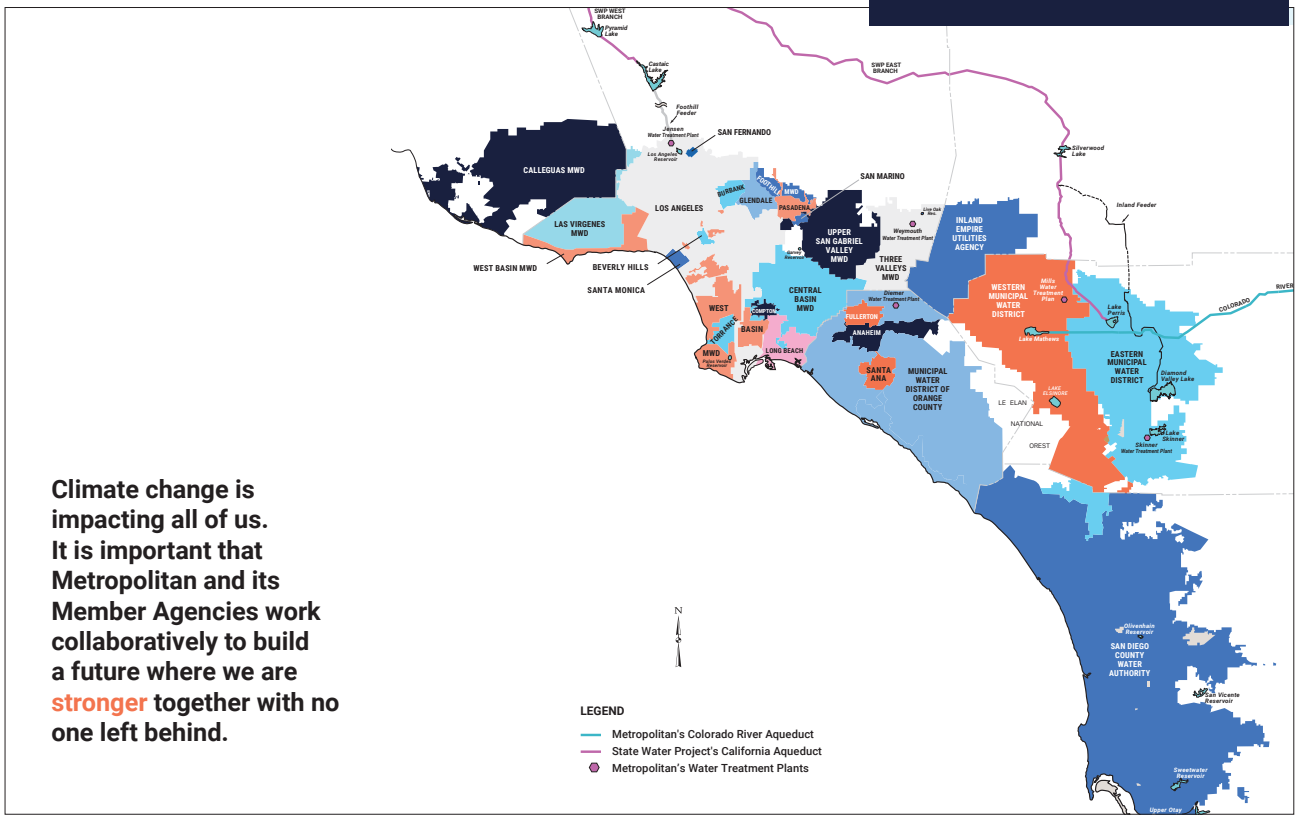
1.3 Metropolitan's Resources, System, Assets, and Member Agencies

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. To do this, Metropolitan imports supplies from the California Bay-Delta and the Colorado River, leads regional water use efficiency programs, invests in local water resources, and operates and maintains the Colorado River Aqueduct, an expansive range of reservoirs, five water treatment plants, hydroelectric facilities, 830 miles of pipelines including large-diameter pipelines and tunnels and about 400 service connections.

Metropolitan delivers approximately 1.5 billion gallons of water daily to its 26 Member Agencies (Figure 1-2), who serve the 19-million person service area across 5,200 square miles. Member Agencies (Figure 1) vary widely in terms of their size, whether they are retailers or wholesalers, their percent dependence on Metropolitan, and the climate they experience. Climate zones range from the cooler coastal areas to hotter inland regions, while land use ranges from densely urban areas to heavy industrial areas to open agricultural lands, where the volume and nature of water use varies significantly. Nearly one third of the region's population is classified as disadvantaged, indicating that affordability considerations will vary across the region as well (DWR DAC Mapping tool[1]).

Southern California's water supplies are facing major long-term threats, brought on by climate change, emerging contaminants and evolving ecological needs. For example, State Water Project dependent areas faced shortages during the recent drought due to supply shortage and infrastructure constraints, threatening the health and wellbeing of our residents. Metropolitan is committed to helping the region overcome these challenges with careful planning, vision and leadership to ensure our communities have the water they need for generations to come.

Figure 1-2. Map of Metropolitan's Member Agencies and Major Facilities



Climate change is impacting all of us. It is important that Metropolitan and its Member Agencies work collaboratively to build a future where we are stronger together with no one left behind.

1 | https://water.ca.gov/Work-Withy-Us/Grants-And-Loans/Mapping-Tools)

1.4 Public and Community Engagement

Ongoing public and community engagement in the CAMP4W process is essential to public support and acceptance for implementation, and importantly public trust. It is the means to ensure transparency and provide opportunities for diverse voices to raise their priorities, concerns, and ideas with Metropolitan and the Member Agencies. Continuing the outreach efforts practiced throughout the CAMP4W development process and advancing the engagement goals are a core element of implementation. Engagement with interested parties, such as the environmental community and community-based organizations, will continue to ensure Metropolitan is integrating local knowledge and issues deeply understood by local and regional partners. In collaboration with the Member Agencies, planned activities include workshops, listening sessions, forums, presentations, tabling at community events and work with community-based and tribal organizations.

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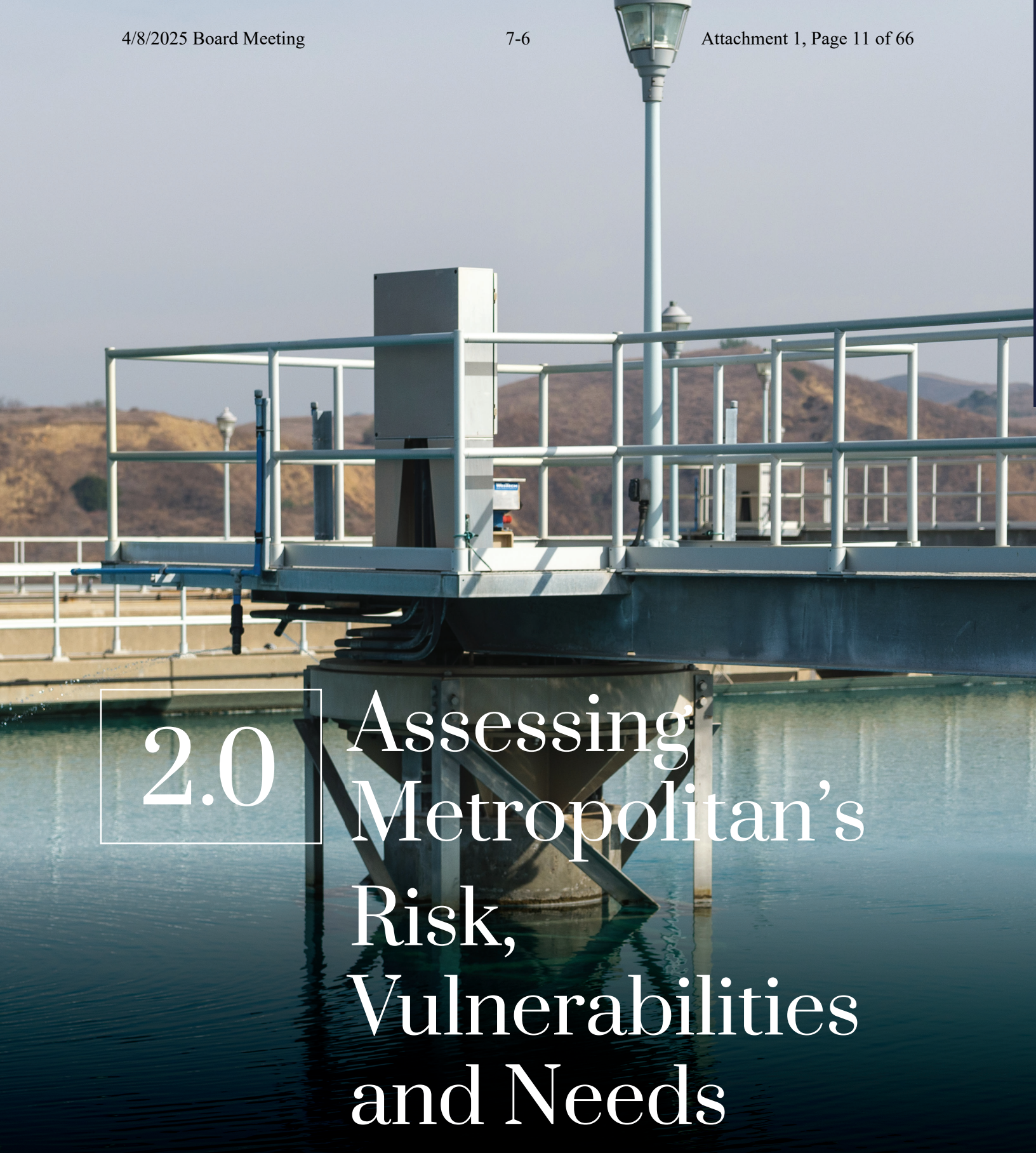


2.0 Assessing Metropolitan's Risk, Vulnerabilities and Needs

Diemer Water Treatment Plant 2 - January 2025

Worldwide, agencies are grappling with the reality that climate change is impacting our lives in a multitude of ways. Climate change is resulting in new and different risks and vulnerabilities for water systems and new and different needs for the people who rely on those systems. Decisions are being driven by extreme weather events such as drought, flooding, wildfires, heat waves, and windstorms, as well as sea level rise and the health of ecosystems, and the compounded impacts of climate change on other hazards such as earthquakes. Understanding risks and Metropolitan's vulnerabilities in the face of a changing climate is critical to establishing the region's needs for water supply reliability and infrastructure resilience. By considering potential risks and vulnerabilities, Metropolitan can best prepare to meet the needs of the region by making informed investment decisions and establishing a timeframe for implementation that is adaptable to changing conditions.

Developing strategies to address risks and vulnerabilities can be considered under two main categories. First, Metropolitan must consider effects on water supply reliability, which is impacted by fluctuating periods of drought and high rainfall as well as extreme heat events. Second, Metropolitan must bolster its infrastructure resilience to ensure operations and Member Agency support are maintained during and after hazard events that threaten or disrupt infrastructure.

The following sections discuss the process for evaluating risks and vulnerabilities, identifying water supply needs, and determining infrastructure resilience needs to ensure our water and power infrastructure remains resilient under anticipated future conditions.

2.1 Climate Risks and Vulnerabilities

Climate change poses significant risk to Metropolitan including the areas of drought, extreme precipitation, wildfires, sea level rise, extreme heat, and extreme wind events. As Metropolitan plans for the future, it must consider how these events will impact supply reliability and infrastructure resilience as well as how it will impact operations during emergencies. Understanding the risks is critical to properly assessing the best way to address them.

Workers in Action on Badlands Tunnel Project 2 - 2025

Multiple Climate Risks Impact Metropolitan from Water Supply to Infrastructure

Extended Droughts: Water Supply[1]

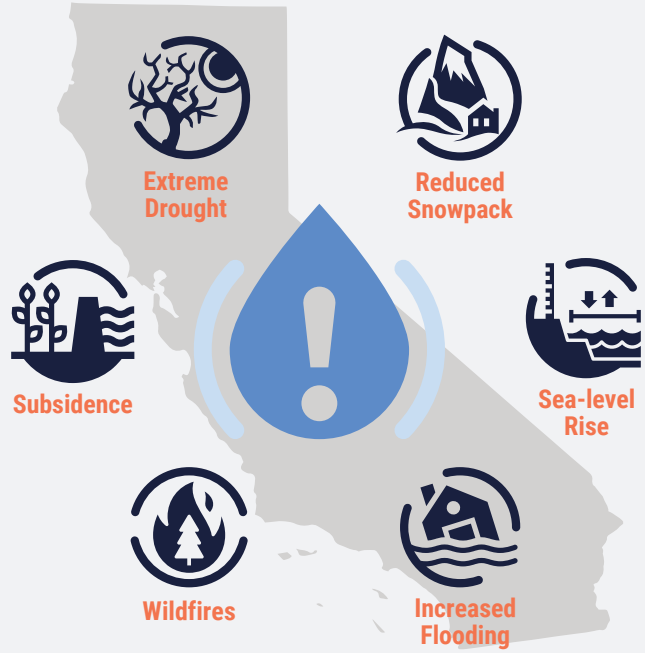
Both of Metropolitan's major imported water sources, the Colorado River and the Northern Sierra, are threatened by extreme and extended droughts

Sea-level Rise: Water Quality[2]

Increased salinity associated with sea-level rise could impact water quality in the Sacramento-San Joaquin Delta, as well as in coastal water basins situated throughout Metropolitan's service area.

Extended Droughts: Water Quality

Major rain and flooding events also create water quality concerns, such as the increased turbidity of inflows to Metropolitan's Jensen Water Treatment Plant from Castaic Lake in January 2023.



Increased Flooding: Infrastructure Damages[3]

Major rain and flooding events can damage Metropolitan's delivery and storage system, such as when Tropical Storm Hilary caused a suspension in deliveries to DWCV storage in 2023.

Increased Flooding: Infrastructure Damages[5]

Reduced annual snowpack threatens the long-term sustainability of Metropolitan's two major sources of imported water, the Colorado River and the Northern Sierra.

Extreme Heat: Infrastructure Risks[6]

In addition to its damaging impacts on Metropolitan's existing infrastructure, extreme heat also threatens the health and safety of field staff across our service area.

Wildfires: Infrastructure Risks[4]

Wildfires can threaten Metropolitan's water treatment facilities and delivery systems, such as when the Freeway Complex Fire broke out in proximity to the Diemer Water Treatment Plant in November 2008.

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1 *Lake Mead Water Level, July 2022 / courtesy of U.S. Bureau of Reclamation*

2 *Rising tide levels encroach into Bay Delta, December 2020 / courtesy of CA Department of Water Resources*

3 *Storm damage to CRA turnout infrastructure near Whitewater, February 2019*

4 *Hurst Fire (800 acres) starts near Jensen 1/7 10:29 PM*

5 *DWR staff conduct recent snow survey, January 2024/ courtesy of CA Department of Water Resources*

6 *Hughes Fire (10,000 acres) starts near Castaic Lake 1/22 10:53AM*

2.2 IRP Needs Assessment

For decades, assessing Metropolitan's water supply needs has been accomplished through a robust integrated planning process and evaluation of projected future conditions, beginning with the 1996 Integrated Water Resources Plan (IRP). Member Agency data has been an integral part of the process, facilitated by Metropolitan's annual outreach to each Member Agency. While Metropolitan has consistently evaluated future uncertainty, the 2020 IRP Needs Assessment saw Metropolitan take its future planning process into an expanded direction with the inclusion of **scenario planning.**

Metropolitan developed four scenarios (A, B, C and D, see Figure 1-2), which serve to represent the range of potential drivers that impact the region's supply and demand including economic conditions, population growth, regulatory requirements, and climate impacts to name a few. Based on the modeling done during the IRP Needs Assessment (Figure 2-1), the range in the water supply gap was determined, as shown in Table 1.

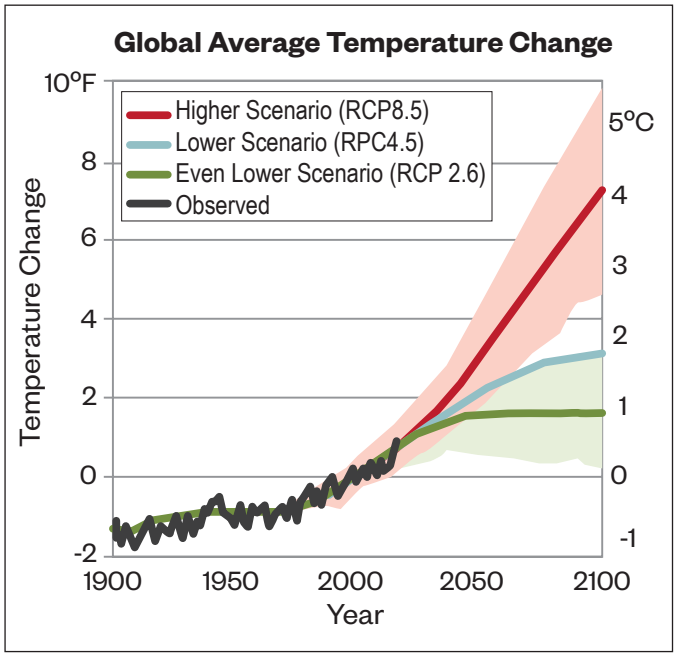
To support an adaptive management process, updates to the IRP Needs Assessment will occur at regular intervals, established based on trends that occur over time rather than reacting to short-term conditions which may reverse on a year-to-year basis. This has resulted in the selection of a five-year IRP Needs Assessment update cycle, as presented in Sections 5 and 6. In addition, there remains the need to keep the Board informed on an annual basis of how certain parameters are tracking over time. This will be accomplished through the Annual Reporting process which is further described in Section 5.3 and presented in the timeline in Section 6.

SCENARIO PLANNING

Recognizing that a multitude of factors contribute to the demands on Metropolitan and the availability of its supplies, Scenario Planning allows us to examine the boundaries of what is reasonably likely to occur in the future since scenario planning "bookends" the range of possible future needs. By understanding what the supply gap could be under a variety of conditions, Metropolitan is able to decide what direction to plan towards. Next, using the Adaptive Management Approach, Metropolitan will be able to adjust planning targets as real-world conditions reveal where along the spectrum our needs are trending, which will inform incremental investment decisions.

↓

In 2024, Metropolitan's Board voted to plan toward Representative Concentration Pathway (RCP) 8.5, which acknowledges a need to prepare for a more extreme climate impacted future. RCP 8.5 is expressed in Scenarios C and D. By planning toward Scenario D and implementing based on real-world conditions, Metropolitan will balance the need to be prepared while limiting the risk of stranded assets if conditions change.



IRP NEEDS ASSESSMENT IDENTIFIED THREE CATEGORIES OF SUPPLY

Core Supply: A supply that is generally available and used every year to meet demands under normal conditions and may include savings from efficiency gains through structural conservation.

Flexible Supply: A supply that is implemented on an as-needed basis and may or may not be available for use each year and may include savings from focused, deliberate efforts to change water use behavior.

Storage: The capability to save water supply to meet demands at a later time. Converts core supply into flexible supply and evens out variability in supply and demand.

Table 1: How Much Core Supply Do We Need Based on How Much Storage We Develop?

If we build this much storage…	We will need this much additional core supply… (conservation reduces demands and "counts" toward core supply needs)			
	IRP Scenario A	IRP Scenario B	IRP Scenario C	IRP Scenario D
0 TAF	No supply or storage requirements	100 TAF	50 TAF	650 TAF
100 TAF		70 TAF	15 TAF	600 TAF
250 TAF		30 TAF	15 TAF	550 TAF
500 TAF		30 TAF	15 TAF	500 TAF

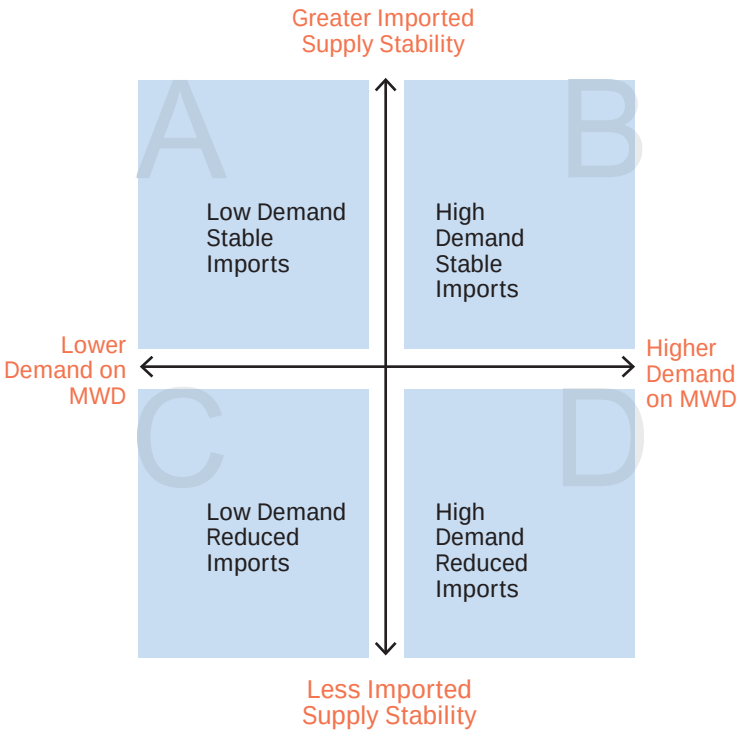
** TAF=thousand acre-feet; 1 acre-foot is the amount of water that would cover an acre of land at 1-foot depth*

UNCERTAINTY AND THE ESTABLISHMENT OF ASSUMPTIONS

There is **inherent uncertainty** whenever an assumption is made, and in the IRP Needs Assessment, each scenario is defined by numerous assumptions. **Scenario planning and adaptive management capture that uncertainty** in the space between each scenario – the spectrum along which real-world conditions are likely to unfold. Each scenario presents a data point along that spectrum, where any number of variables could shift the outcome in one direction or another.

By adapting and modifying investment decisions over time, **Metropolitan will align implementation with real-world conditions** to reduce the risk of over or under developing resources.

Figure 2-1 Summary of IRP Scenarios A, B, C, D



2.3 Infrastructure Resilience

To maintain a reliable water supply, Metropolitan must ensure that its existing and future infrastructure is resilient in the face of a changing climate and the compounding risk associated with natural disasters, such as earthquakes and wildfires. Infrastructure investments are also critical to advancing power reliability, continued system operation, asset management, infrastructure reliability, and energy sustainability. Infrastructure projects are comprised of both replacement and refurbishment (R&R) projects, which serve to maintain the existing system, and new projects to enhance system capabilities.

Metropolitan has a long history of evaluating risks and vulnerabilities to ensure its system is able to support its core mission. Metropolitan identifies potential projects and programs through several planning processes initiated by various groups within Metropolitan, which can be categorized into the five areas shown in Figure 2-2. The Water Supply Reliability component addresses Metropolitan's ability to supply water to meet Member Agency demands under all foreseeable hydrologic conditions. The System Capacity component addresses Metropolitan's ability to convey, treat, and distribute supplies to meet firm demands under peak conditions. The Infrastructure Reliability component addresses Metropolitan's ability to maintain facilities in readiness to ensure system deliveries. The System Flexibility component addresses Metropolitan's ability to respond to short-term changes in water supply, water demands, and water quality and meet Member Agency water demands during planned or unplanned facility outages. The Emergency Response component addresses Metropolitan's ability to respond quickly to unplanned outages to restore service. By addressing each of the five reliability components, Metropolitan has developed a robust approach to ensure overall system reliability for its service area. While these processes have effectively identified projects and programs to meet Metropolitan's needs, changing climate conditions and increased uncertainty require additional considerations and criteria in project and program development and evaluation.

CAMP4W enhances the five categories of system reliability planning with climate adaptation considerations and addresses the compounding risks and vulnerabilities Metropolitan faces due to climate threats. Enhancements are reflected in the Policy Framework, Climate Decision-Making Framework, and Adaptation Strategies presented in Sections 4, 5 and 6.

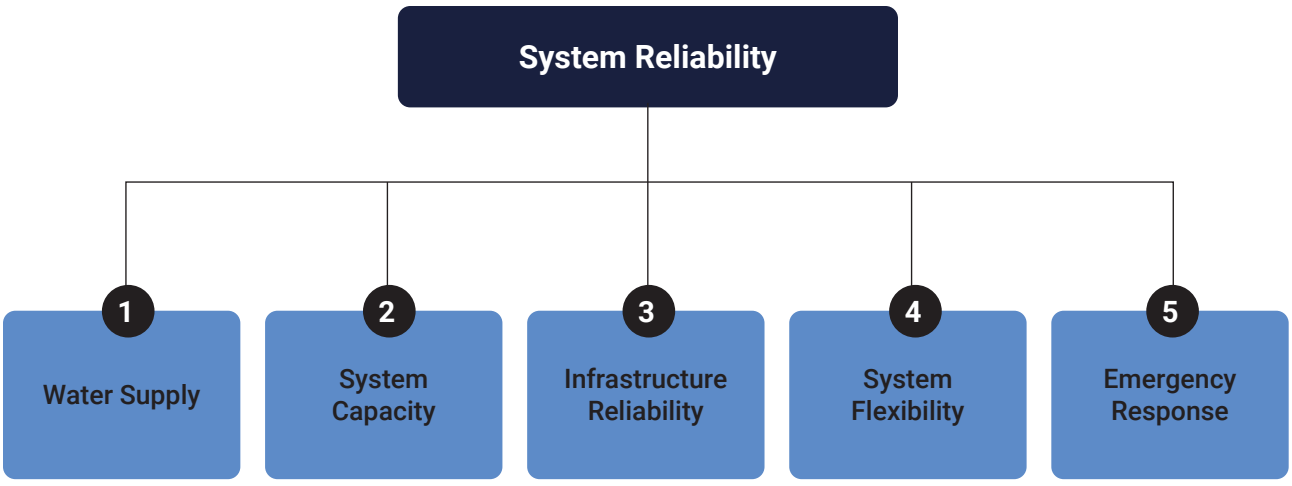


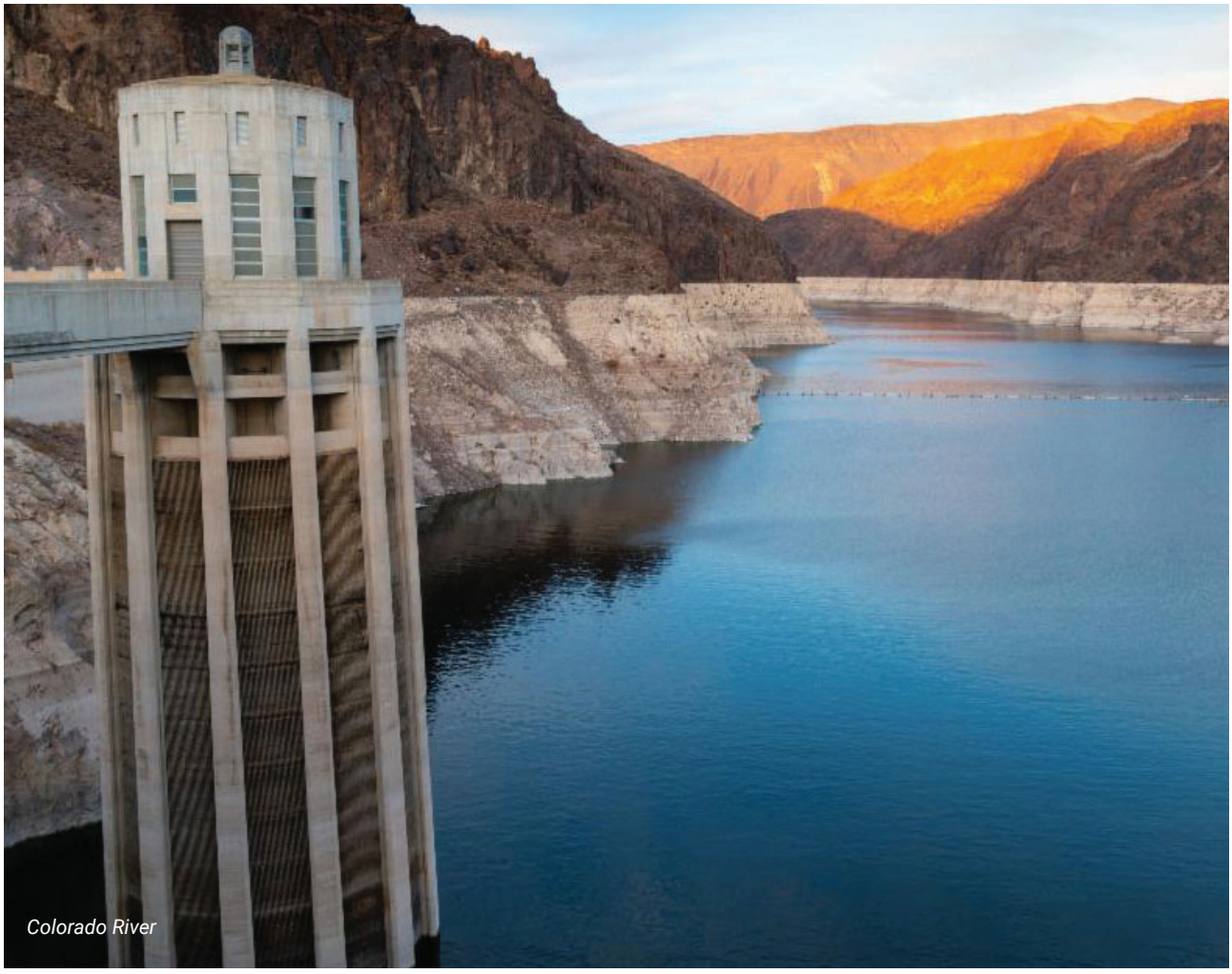
Figure 2-2. System Reliability Strategy

2.4 Water Quality Resilience

Maintaining Metropolitan's high water quality standard is essential to meeting Metropolitan's core mission and imperative to protecting public health. However, the compounding impacts of climate change including wildfires, drought, and extreme weather events, coupled with warming and extreme heat, are introducing new water quality challenges in Metropolitan's water supplies. Some potential climate-induced impacts on water quality include:

- Increased salinity due to saltwater intrusion and higher rates of surface water evaporation.
- Elevated turbidity and pollutant loads caused by high runoff events during extreme wet periods.
- Increased nutrient pollution and associated problems with harmful cyanobacteria blooms (cyanotoxins).
- More frequent reservoir anoxia and associated problems such as elevated manganese and sulfide concentrations.
- Increased chlorine demand and microbial activity such as nitrification in the distribution system.

Adapting to these water quality challenges may require investments in mitigation measures at source waters, more advanced water treatment processes, and improved management of the treated water distribution system. Climate change may push needed investments beyond what is required for general operations and maintenance and instigate a need for strategic infrastructure upgrades to address all water quality vulnerabilities. Additionally, water quality regulatory standards have become more stringent over time and this trend is expected to continue, making it more difficult to balance source water variability with evolving treatment and storage strategies.



Colorado River

For these reasons, water quality-focused adaptation strategies will be critical for long-term water quality resilience. Some actions that Metropolitan may consider through the CAMP4W process include:

- Enhancing research, mitigation, and response planning for high priority climate-induced water quality impacts.
- Expanding field monitoring, including increased use of innovative methods (e.g., automated samplers, remote sensing), to closely track source water quality and improve early detection capabilities at strategic locations.
- Optimizing operational strategies for raw water conveyances and storage reservoirs to mitigate declining water quality trends.
- Investing in infrastructure improvements (e.g., reservoir aeration, hypolimnetic oxygenation systems, chemical treatments to stabilize sediment nutrients) for higher risk parts of the source water system.
- Identifying and advocating for watershed management strategies to reduce point-source and diffuse nutrient and sediment pollution to address emerging water quality issues (e.g., more frequent and severe cyanotoxin-producing blooms, extreme turbidity events).
- Enhancing water treatment operations to address more frequent or extreme water quality challenges through process optimization and technology advancements.
- Upgrading water quality laboratory capabilities to expand sampling capacity, improve detection of new/emerging pollutants, and accelerate sample turnaround.

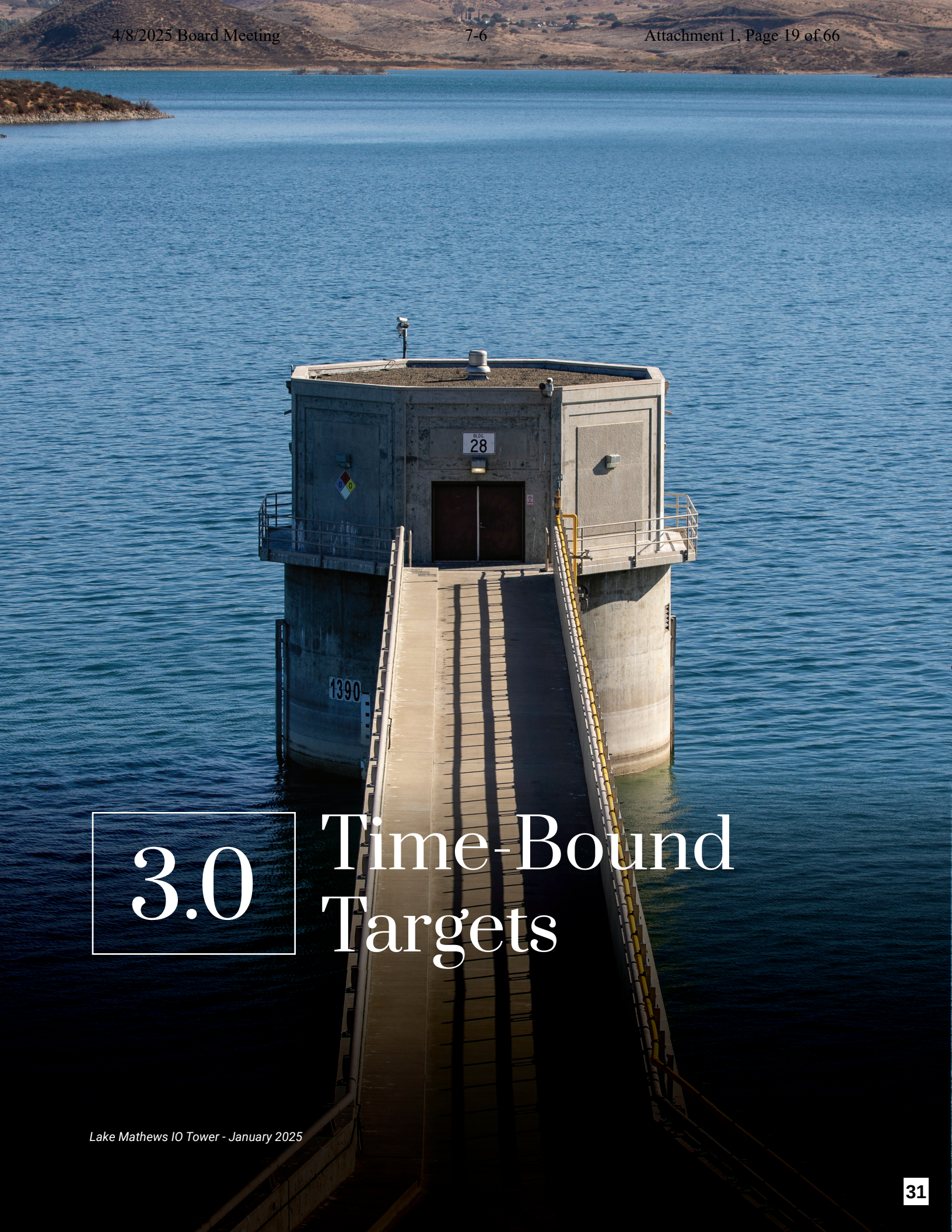
Moving forward, it will be essential to identify impacts and build specific protections around the direct and cascading impacts of climate change. By prioritizing water quality resilience, Metropolitan can safeguard its ability to provide high-quality water to the region even in the face of extreme climate-driven conditions.

Examples of Water Quality Concerns Exacerbated by Climate Change

Treatment facilities and operations have evolved over time to provide Metropolitan with significant flexibility in terms of level of treatment and ability to blend water from different sources. Climate change is likely to place additional stress on the ability of existing systems to accommodate future variability.

For example, more frequent and severe harmful algal blooms could limit access to certain reservoirs for extended periods, reducing source water availability and increasing pressure on treatment operations. Additionally, shifting demand patterns—driven by long-term reductions in treated water demand and short-term fluctuations between wet and dry years—have created operational challenges, requiring systems to adjust to greater variability in both water quantity and quality. Compounding these challenges, increasingly stringent water quality regulations are expected to drive up treatment costs and may require additional treatment processes.

Proactively planning for these and other stressors is imperative for Metropolitan to remain resilient and adapt in the face of a changing climate, while continuing to deliver high-quality water to the region.



3.0 Time-Bound Targets

Lake Mathews IO Tower - January 2025

Rialto Feeder - Inland Feeder Interie Project 1 (Decem 2024)

Time-Bound Targets will help guide the Board in making investment decisions. The targets are based on sound data analysis and the needs of the region. They are categorized as resource-based targets and policy-based targets, both of which are critical to informing the Board decisions. Time-Bound Targets pair with the tracking of Signposts. A key aspect of the adaptive management process is to evaluate if Time-Bound Targets require updating based on changing conditions. The following sections present the Time-Bound Targets and Signposts that will support the Implementation Strategy.

3.1 Resource-Based Time-Bound Targets

Resource-Based Time-Bound Targets are intended to guide investment decisions by defining the water supply needs required to address the gaps identified in the IRP Needs Assessment. These targets are based on the robust modeling and evaluation process completed during the most recent IRP update but are adaptive. They will be reviewed and may be updated when the IRP Needs Assessment is updated based on current trends and other factors that may impact needs at that time.

Resource-Based Targets
Numbers reflect additional supplies unless indicated otherwise

CATEGORY	NEAR TERM	MID TERM	LONG TERM
Core Supply[1]	N/A	Identify 300 TAF for potential implementation by 2035. Alternatively, 250 TAF of new storage will reduce core supply need to 200 TAF	Identify 650 TAF for potential implementation by 2045. Alternatively, 250 TAF of new storage will reduce core supply need to 550 TAF or, 500 TAF of new storage will reduce core supply need to 500 TAF
Storage	Identify up to 500 TAF for potential implementation by 2035		
Flex Supply (Dry Year Equivalent)	Acquire capability for up to 100 TAFY		

Notes

1 Core Supply sub-targets will be considered and may include targets for groundwater remediation and stormwater capture.

To remain adaptive to climate change, the Resource-Based Time-Bound Targets are independent of the selection of a specific future scenario, as no single future scenario can be predicted. By identifying actions needed to close the gap in Scenario D, which aligns with the Board's directive to plan towards Representative Concentration Pathway (RCP) 8.5, we ensure planning coverage across all scenarios. The intentional use of the term "identify" in the Time-Bound Targets for core supply and storage should be noted. This target specifically addresses the need to identify opportunities, where as implementation of selected options will be done at the discretion of the Board over time, based on IRP updates, Signpost tracking, and other factors such as risk tolerance. This ensures we plan appropriately by identifying opportunities early enough to be well informed prior to any investment decision on implementation, given the long lead-time required for project development. This methodology supports Metropolitan's core mission and will facilitate the region being adequately prepared and not unprepared for a given future.

3.2 Policy-Based Time-Bound Targets

Policy-based Time-Bound Targets are designed to guide Metropolitan's investment decisions towards projects, programs, initiatives, and partnerships that advance the policy objectives identified through the CAMP4W process. Some policy-based Time-Bound Targets identify measures that will encourage resource-based development goals to be met through preferred alternatives (e.g., conservation measures). Others set and support goals that function in parallel to resource-based development (e.g., greenhouse gas emissions targets). As with resource-based targets, policy-based targets are adaptive and can be revised over time as deemed appropriate.

Policy-Based Targets

CATEGORY	NEAR TERM	MID TERM	LONG TERM
Equitable Supply Reliability	Add 160 CFS capacity to the SWPDA by 2027	Implement additional 130 CFS capacity to SWPDA by 2032	Implement capacity, conveyance, supply, and programs for SWPDA by 2045
Local Agency Supply[1]	Maintain 2.09 to 2.32 MAF (under average year conditions)	2.12 to 2.37 MAF (under average year conditions)	2.14 to 2.40 MAF (under average year conditions)
Demand Management[2]	Implement structural conservation programs to achieve 300 TAF by 2045		
Regional Water Use Efficiency	Assist Retail Agencies to achieve, or exceed, compliance with SWRCB Water Use Efficiency Standards[3]		
	GPCD target for 2030[4]	GPCD target for 2035	GPCD target for 2045
Greenhouse Gas Reduction	N/A	40% below 1990 emission levels by 2030	Carbon Neutral by 2045
Surplus Water Management	Develop capability to manage up to 500 TAFY of additional wet year surplus above Metropolitan's Storage Portfolio and WSDM action		
Community Equity*			
Water Quality*			
Imported Water Source Resilience*			

*Time-Bound Targets remain in the development phase and will be refined in 2025.

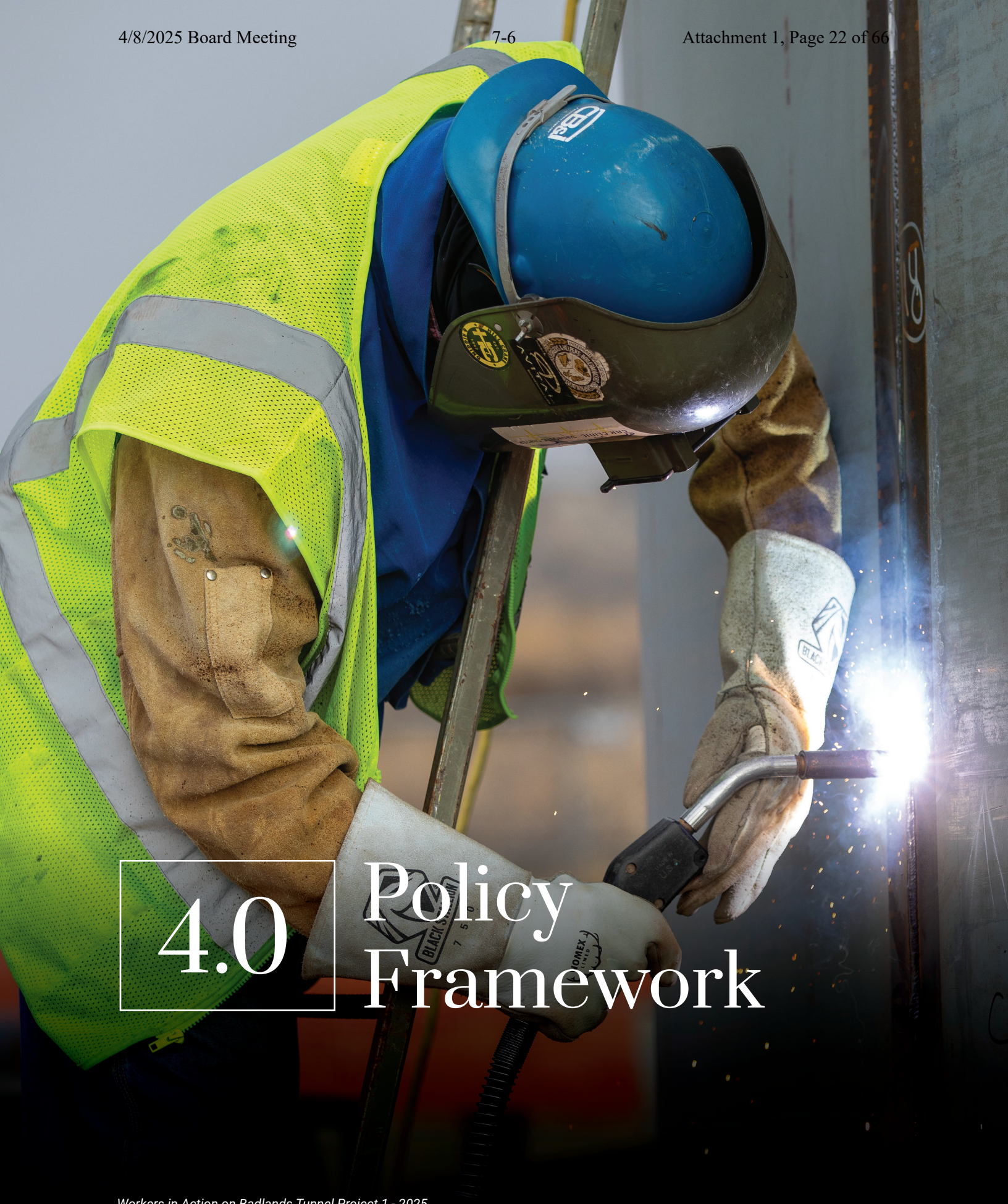
Notes

1 This initial target includes existing (and under construction) local agency supplies and can be augmented to include new local agency supply.

2 Used to offset the need for additional core supply and using 2024 as a baseline.

3 Each retail water supplier will report progress to the State Water Board annually through a Water Use Objective (WUO) equaling the sum of efficiency budgets for a subset of urban water uses: residential indoor water use, residential outdoor water use, real water loss and commercial, industrial and institutional landscapes with dedicated irrigation meters. Each efficiency budget is calculated using a statewide efficiency standard and local service area characteristics (population, climate, etc.).

4 Specific GPCD Time-Bound Targets will be identified based on final SWRCB standards. If the Board wishes to set a higher target, it would be designed to track water use efficiency trends by sector over time and will take local conditions, including climate, into consideration.



4.0 Policy Framework

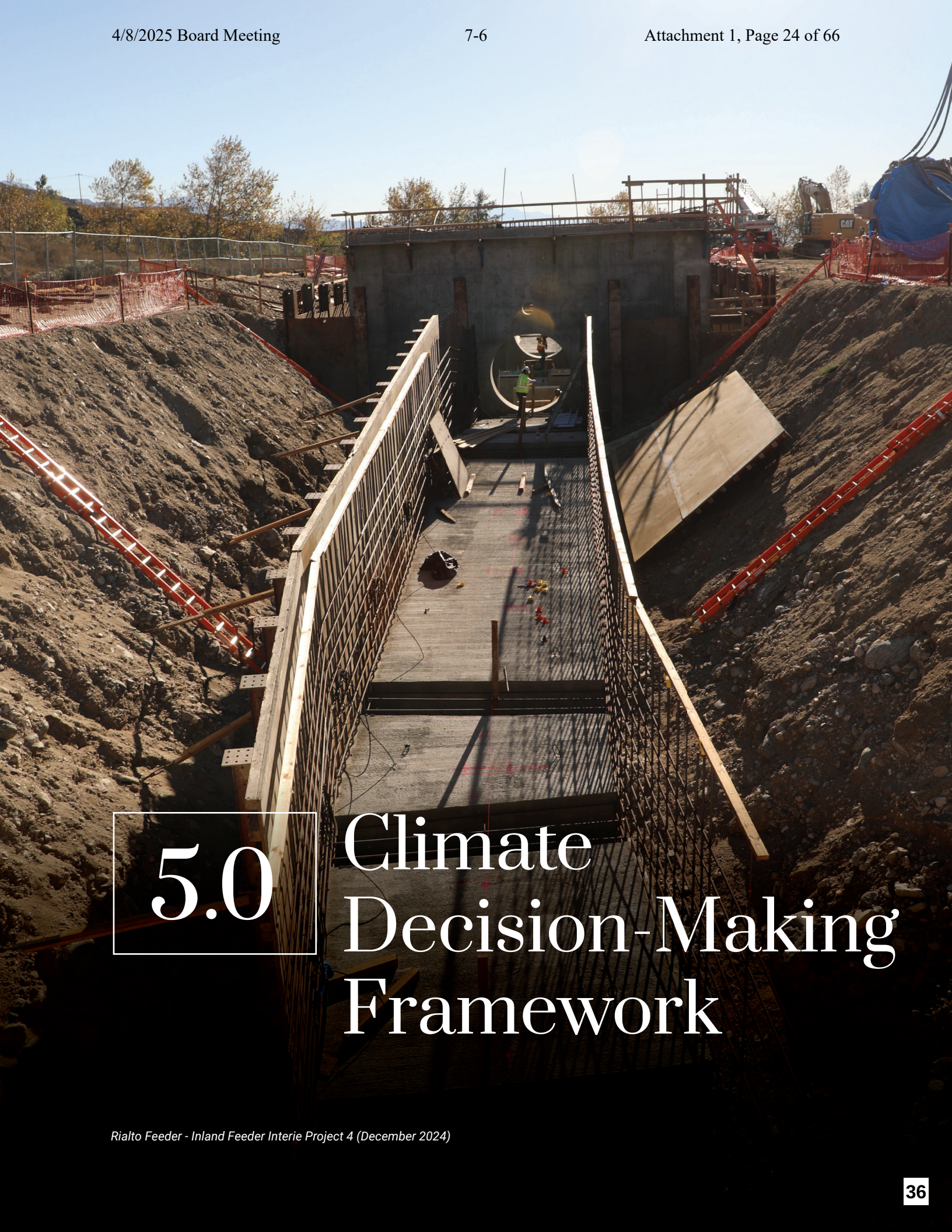
Workers in Action on Badlands Tunnel Project 1 - 2025

4.1 Climate Adaptation Policy Framework

The Climate Adaptation Policy Framework comprises five high-level policy statements, which support each of the Board-identified priority areas of Reliability, Resilience, Financial Sustainability, Affordability and Equity. In general, the Policy Framework will guide the implementation strategy (Section 6) and efforts to:

1. Systemically integrate climate adaptation to increase climate preparedness, deepen internal knowledge and understanding of impacts, and improve climate hazard response
2. Update existing and set new policies to strengthen the role of adaptive management and climate adaptation in Metropolitan's initiatives and decision making
3. Underscore the value of the Metropolitan Member Agency cooperative and other partnerships in achieving regional climate resilience

POLICY FRAMEWORK	IMPLEMENTATION EXAMPLES
Reliability Metropolitan will consider climate risks and integrate climate adaptation and risk reduction strategies into water supply programs, policies, planning, and operations.	✓ Incentives for member agencies to increase regional water resilience ✓ Infrastructure projects to improve access to water supplies ✓ Watershed resilience projects to strengthen imported supplies ✓ Programs to actualize benefits from wet weather year ✓ Expand monitoring and predictive modeling to anticipate water quality challenges at strategic and high risk locations
Resilience Metropolitan will integrate climate risk and vulnerability assessments for climate-related hazards, including drought, extreme heat and precipitation, sea level rise, flooding, and wildfire, using the best available climate science and climate change information into planning, implementation, and operations.	✓ Develop Resilient Infrastructure Guidelines ✓ Develop response indicators and action plans for primary climate threats to water quality ✓ Assess power system vulnerabilities ✓ Review workforce and equipment safety measures for climate risks ✓ Update fire management plans for critical facilities
Financial Sustainability Metropolitan will reduce short-term and long-term climate-related financial risks through periodic reviews and potential refinement of its business model, active monitoring and managing of financial conditions, and by maintaining flexible financing alternatives.	✓ Track financial implications of climate-induced expenses ✓ Consider updates to reserve policy ✓ Consider adjustments to fixed and variable rate structures
Affordability Metropolitan will continue to support retail user affordability efforts that support our mission to provide regional wholesale water service in the most economically responsible way.	✓ Identify new partnerships, grants, and revenue sources for climate adaptation ✓ Work with Member Agencies to identify funds for statewide low-income rate assistance ✓ Enhance water conservation incentives to reduce financial impacts
Equity Metropolitan will engage with the diverse communities we serve to listen, communicate transparently, and co-create solutions for greater equity in climate adaptation planning and implementation.	✓ Develop community engagement standards ✓ Develop environmental justice and community benefits policy



5.0 Climate Decision-Making Framework

Rialto Feeder - Inland Feeder Interie Project 4 (December 2024)

The desire to develop a standardized methodology to evaluate climate adaptation investments and inform decision-making was a primary driver for initiating the CAMP4W process. One of the goals from the beginning of the process was to ensure common data and analyses are applied consistently and transparently, and in consideration of a changing climate and deep uncertainty.

The Climate Decision-Making Framework therefore defines a consistent, stepwise process of making project and program investment decisions (Figure 5-1). It is based on Metropolitan priorities and the need to remain reliable and resilient into the future, while considering financial sustainability, affordability, and equity. Figure 5.1 illustrates the high-level Climate Decision-Making Framework.

The following sections provide a more detailed discussion on key components, including the evaluative criteria and the project and program assessment tools and the integration process for how these elements will be infused into Metropolitan's processes. Also presented is the framework for monitoring and reporting as part of the adaptive management process, and the process for continuing to engage the public and interested parties to ensure transparency and input.

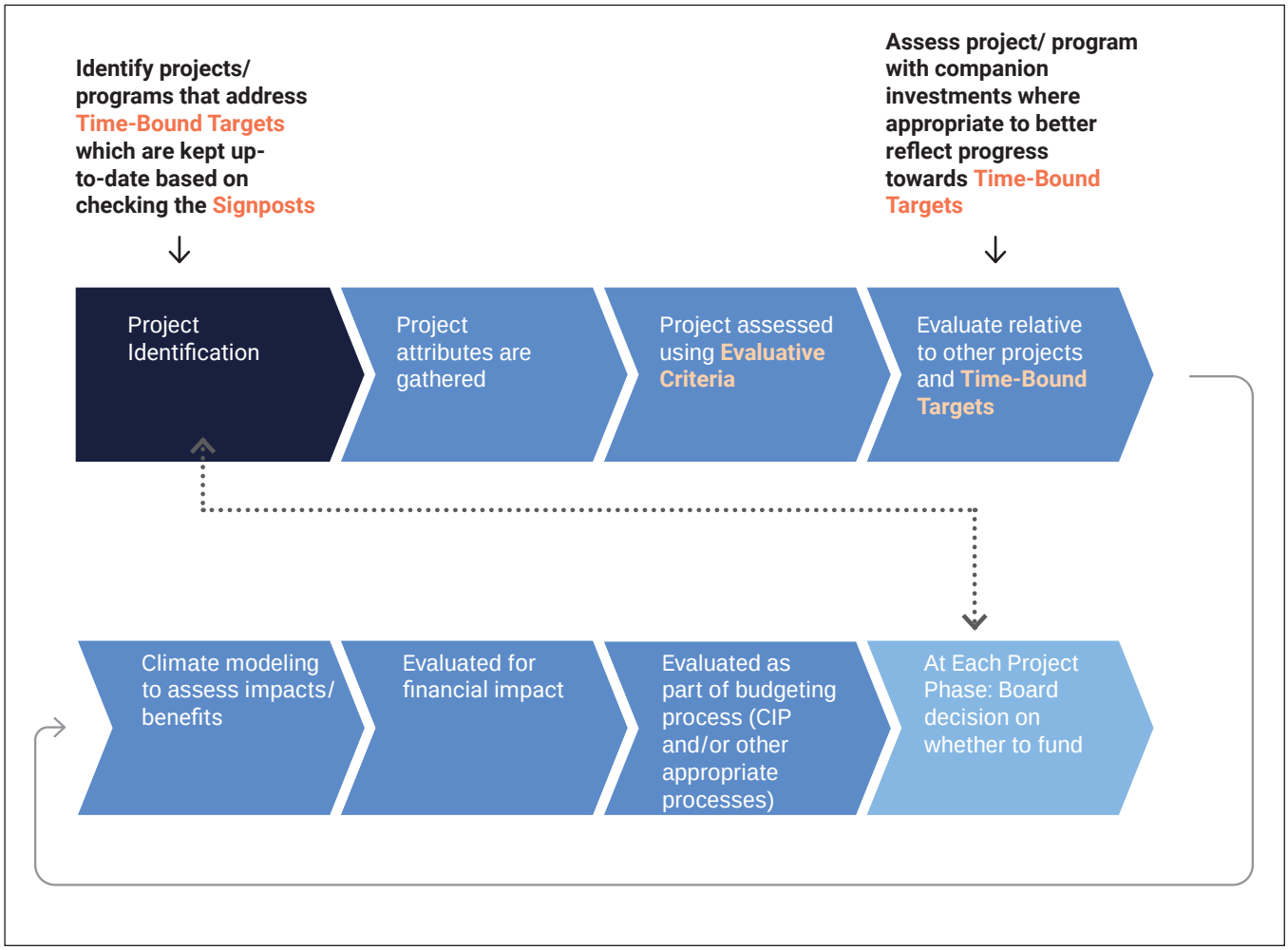


Figure 5-1. Climate Decision-Making Framework

5.1 Evaluative Criteria and Assessment Tools

Evaluative Criteria represents a defined set of metrics used to assess projects and programs and support the Board's decision-making process. Evaluative Criteria are used in collaboration with the Time-Bound Targets and Signposts to support decisions: Time-Bound Targets set the goals, Signposts assess real-world conditions to ensure the targets are appropriate, and Evaluative Criteria facilitates decisions for projects and programs to help Metropolitan move closer to the targets.

Figure 5-2 presents the Evaluative Criteria. Through the CAMP4W process, the Board expressed its preference to select an evaluation process that combines both quantitative and qualitative elements into the comprehensive assessment, supported by a series of questions. The Comprehensive Assessment Form is presented in Appendix A and will be used for all projects and programs evaluated under CAMP4W. This form, once completed, will be presented to the Board along with additional project and program supporting documentation to assist the Board in its deliberations.

The next section illustrates how this assessment approach integrates into the Board's overall decision-making process. Ultimately, decisions will be made by the Board at its discretion, and these tools will help facilitate a uniform, methodical, and transparent assessment process.

RELIABILITY	RESILIENCE	FINANCIAL SUSTAINABILITY & AFFORDABILITY
Supply Performance Equitable Reliability	Addresses known risks and vulnerabilities Project, Program or Portfolio's ability to perform under climate impacts	Total Cost, Unit Cost, Lifecycle Cost
Assess how a project or program performs under various hydrologic conditions, the extent to which it helps close gaps identified in the IRP Needs Assessment, and how it can address an inequity in supply reliability.	Evaluates how the project or program addresses known risks and vulnerabilities and how it performs under climate impacts.	Assess a project's financial sustainability and affordability based on its unit cost Total Cost, Unit Cost, Lifecycle Cost and other factors.

ADAPTABILITY & FLEXIBILITY	EQUITY	ENVIRONMENTAL CO-BENEFITS
Flexibility of existing assets Ease / Complexity Scalability	Programs for underserved communities Scale of community engagement Public health benefits Workforce development	Greenhouse gas emissions Benefits Ecosystem services Habitat/wildlife benefits
Considers how a project or program improves operational flexibility, the difficulty of implementation, and if a program is able to be phased. Flexibility addresses the capability of Metropolitan's system to respond to changes in water supply, water quality, treatment requirements, or demands during planned and unplanned facility outages.	Consideration of underserved communities, scale of community engagement, public health, and workforce development.	Measures greenhouse gas emissions, ecosystem services, and benefits to habitat and wildlife.

Figure 5-2. Evaluative Criteria

5.2 Integrated Implementation Processes

CAMP4W integrates climate adaptation into Metropolitan's existing processes to ensure a holistic approach and the efficient and effective delivery of projects and programs. Figure 5-3 presents the overall process. As shown, projects and programs meeting the threshold for CAMP4W evaluation receive additional analysis consistent with the rest of the existing processes.

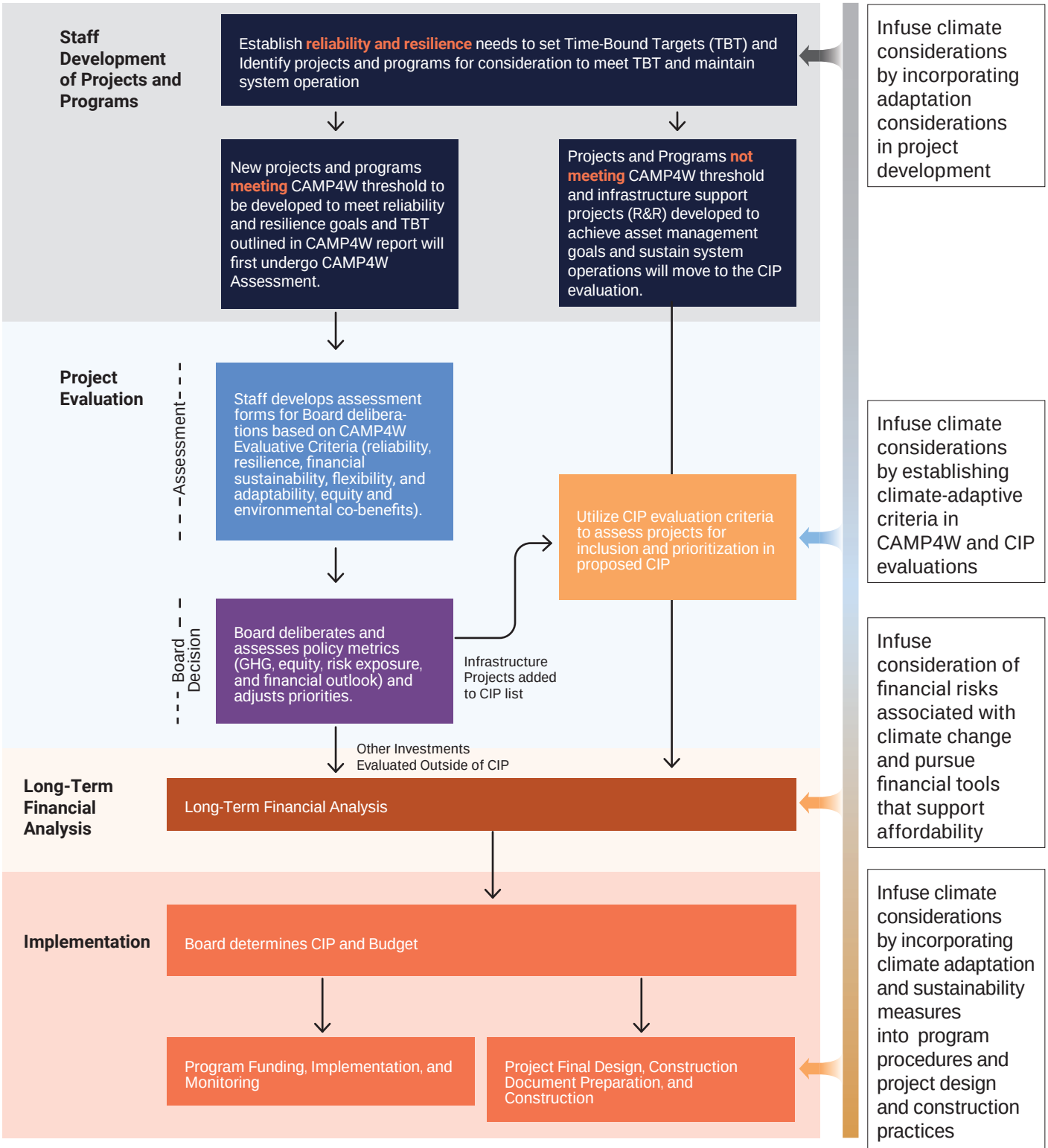


Figure 5-3. Evaluation Process

5.3 Adaptive Management, Monitoring and Reporting, and Signposts

Adaptive management is a cornerstone of the CAMP4W process. By embracing the need to be nimble and open to revision and adjustments over time, Metropolitan can manage uncertainty about the future and remain responsive to evolving conditions.

The CAMP4W Annual Report provides the structure for adaptive management by presenting key information on an annual basis to track trends and adjust Time-Bound Targets as needed. It provides a means for informing the Board on progress toward climate resilience and resource reliability.

The Annual Report will be used to support Board deliberations on investment decisions, understand if updates are required to the Time-Bound Targets, and identify any other area that requires an update. Content presented in the CAMP4W Annual Report includes the following:

- The status of each Signpost, which includes Water Supply Reliability Signposts, Infrastructure Signposts, and Financial Signposts, as presented in Section 5.3.1
- Updates on progress towards achieving the Time-Bound-Targets;
- Implementation highlights, which include projects, programs, policies, partnerships, initiatives, and public outreach.

Figure 6-1 presents a high-level overview of the schedule for CAMP4W reporting and updates.

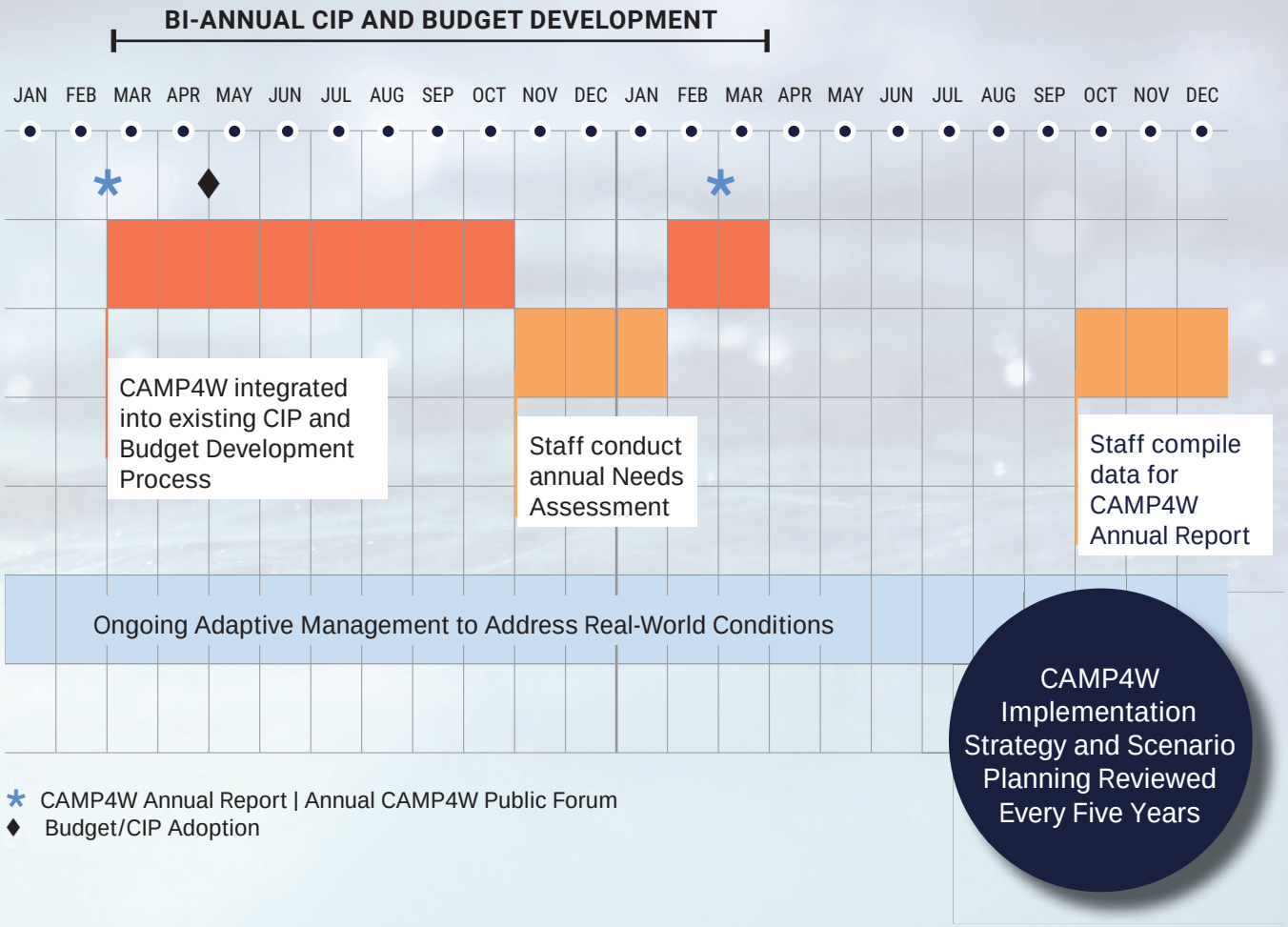


Figure 5-4. Schedule of CAMP4W Reports and Updates

Tracking Signposts will allow the Board to make investment decisions based on the most updated review of trends.

5.3.1 Signposts

As the scenario planning approach helps account for a range of potential supply gaps, tracking Signposts will facilitate regular updates to support Board deliberations by providing the most recently available data on an annual basis (see Section 5.3 for a discussion on annual reporting). Signposts serve as measurable indicators of the direction and trends of factors that can significantly impact decisions. Although Signposts do not eliminate uncertainty, they offer a data-driven understanding of patterns, helping to contextualize trends over time and enhance decision-making. The Signposts will serve as an important tool for adaptive management and to support decisions on project and program investments, strategy development, and initiatives. The CAMP4W Annual Report includes ongoing tracking of Signposts for water supply and demand as well as infrastructure and financial Signposts. The Signposts are presented below.

WATER SUPPLY RELIABILITY SIGNPOSTS

- Demographics
- Climate change
- Local agency supply
- Imported supply
- Storage

INFRASTRUCTURE AND FINANCIAL SIGNPOSTS

- Frequency of infrastructure R&R from climate related conditions
- Cost of infrastructure R&R from climate related conditions
- Emergency response frequency due to climate related impacts
- Emergency response costs due to climate related impacts

6.0 Adaptation Strategies and Five-Year Implementation Timelines

Rialto Feeder - Inland Feeder Interie Project 3 (December 2024)

6.1 Overview

The CAMP4W Time-Bound Targets and Policy Framework drive the development of adaptation strategies (projects, programs, initiatives, etc.) to ensure Metropolitan's reliability and resilience in a climate-impacted future. The Climate Decision-Making Framework focuses the assessment of projects and programs on the Board-identified priorities of Reliability, Resilience, Financial Sustainability and Affordability, Adaptability and Flexibility, Equity and Environmental Co-Benefits. Signposts help guide investment decisions by tracking real-world trends and informing the modification of targets as needed. Those elements define the process for the Board to make decisions over time.

This section presents the five-year timelines for climate adaptation and risk reduction strategies identified to date in the categories of projects, studies, programs, policies, and initiatives (Figures 6-1 and 6-2). While the development of most of the projects listed predated the CAMP4W process, those projects will be assessed using the CAMP4W decision-making framework to ensure consistency with the Board's priorities. Ongoing and newly initiated studies, programs and initiatives are also included as potential sources of new climate adaptation and risk reduction strategies for future Board deliberation.

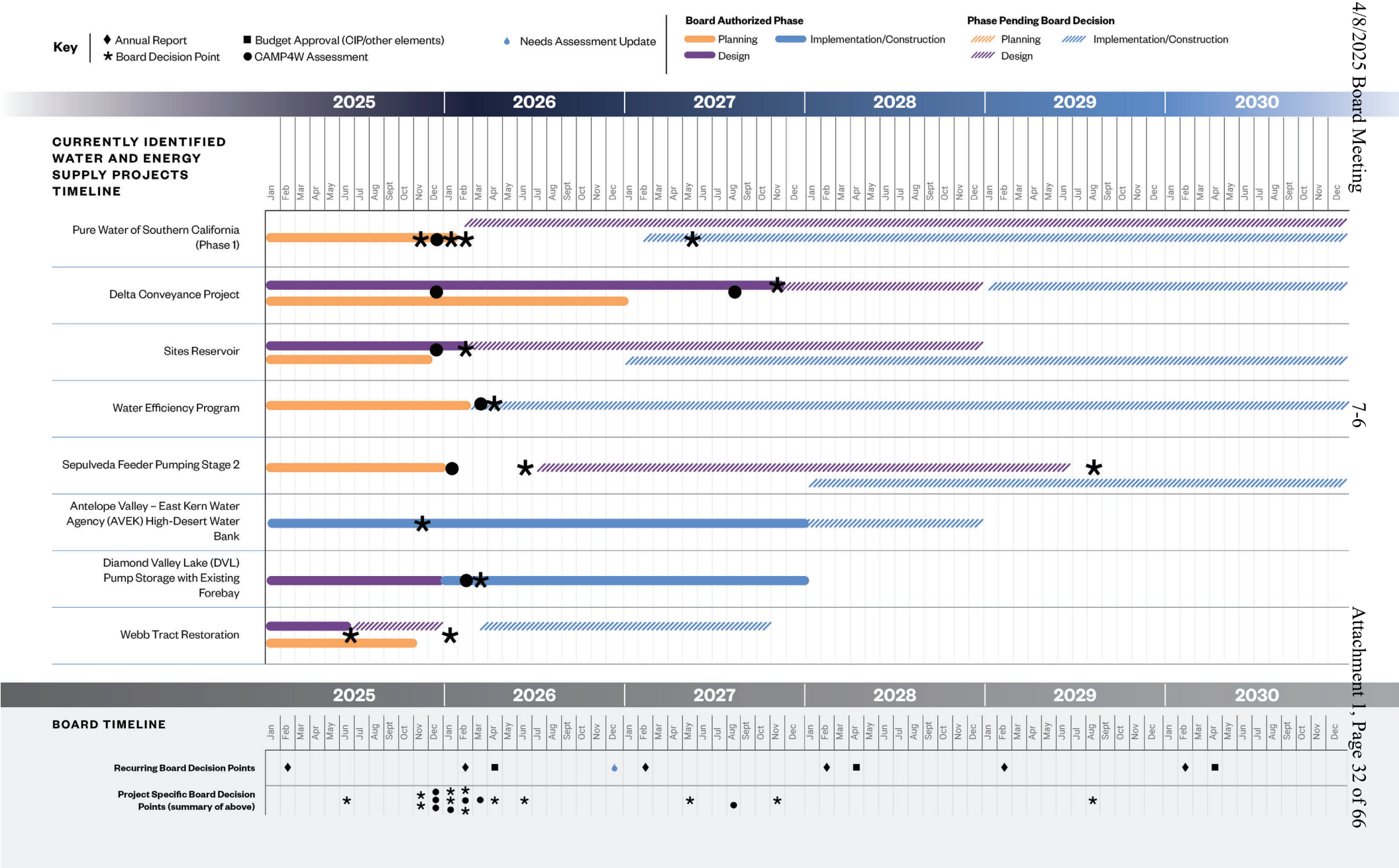
The timelines presented in Figures 6-1 and 6-2 include anticipated Board decision points as well as key milestones based on currently available information. The timelines provide the Board an overall understanding of the wide range of alternatives available to achieve the region's needs so that the most effective strategies are implemented based on a comprehensive assessment of each option. There is also a brief overview of identified climate adaptation strategies in Sections 6.3 and 6.4. Because this information is based on currently available information and data and each strategy is in a different phase of development, dates and processes are subject to change and will be updated as needed.

6.2 Implementation Timelines

The following Figures 6-1 and 6-2 present the implementation timelines for projects, programs, policies, and initiatives. The sections that follow provide a brief overview of each strategy identified. As this is an adaptive plan, the dates and list of strategies will be subject to change over time.

Adaptation Strategies: Water and Energy Projects Planned for CAMP4W Assessment

Timelines are subject to change based on new and evolving information



Adaptation Strategies: Studies, Programs, Policies and Initiatives

Timelines are subject to change based on new and evolving information

Key

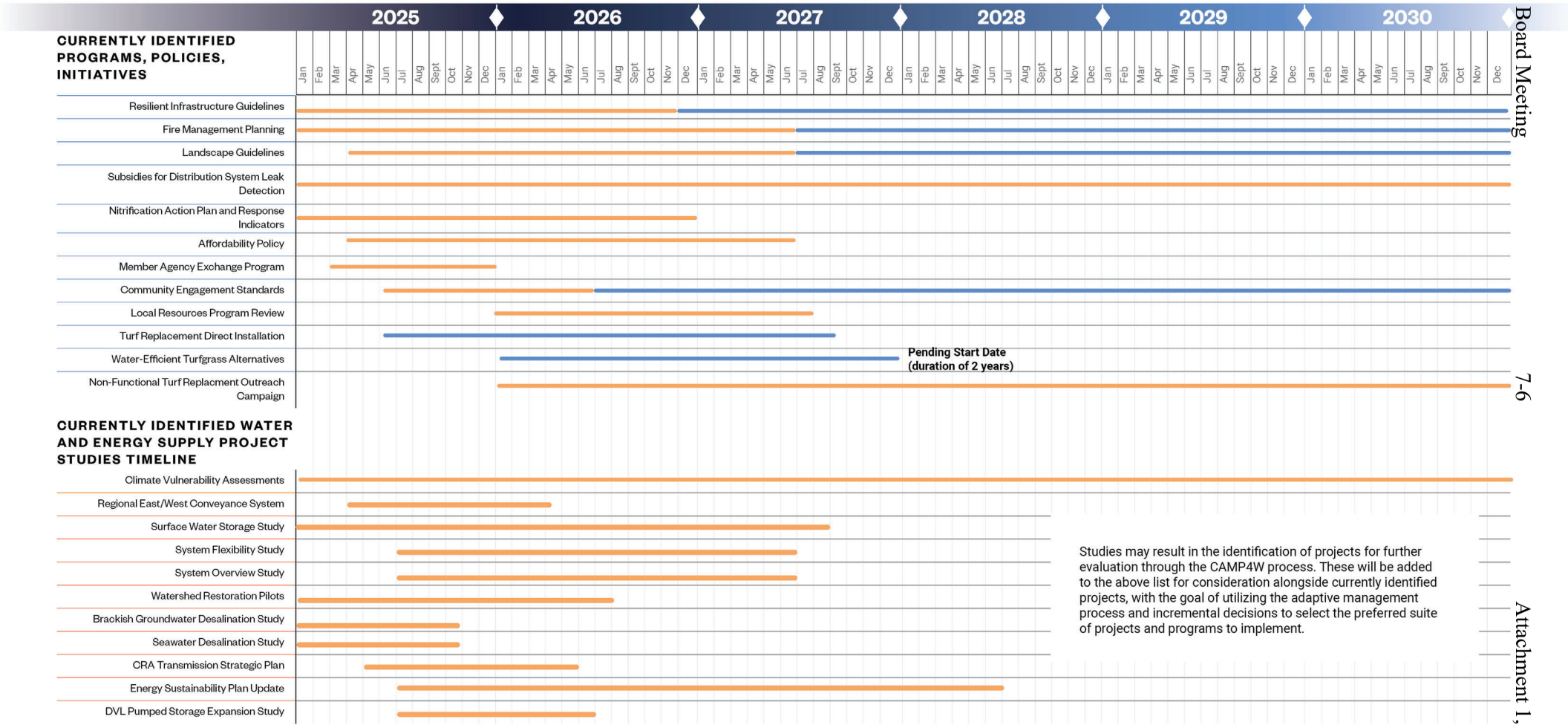
- ♦ Annual Report
- ★ Board Decision Point
- ■ Budget Approval Process (CIP/other elements)
- ● CAMP4W Assesment
- 💧 Needs Assessment Update

Board Authorized Phase

- Planning
- Implementation
- Design

Phase Pending Board Decision

- Planning
- Implementation
- Design



6.3 Projects

The adaptive management process will facilitate the selection and implementation of projects following CAMP4W Comprehensive Assessments and Board deliberation. This involves making investment decisions incrementally over time, at various stages (planning, design, implementation, etc).

Below is the initial list of projects that will be assessed under the Climate Decision-Making Framework that are either underway or will be underway in the next five years.

6.3.1 Pure Water Southern California Phase I and II

The Pure Water Southern California program is a partnership between the Metropolitan Water District of Southern California and the Los Angeles County Sanitation Districts. The program uses advanced water purification to recycle cleaned wastewater for indirect and direct potable use. It could produce up to 150 million gallons of water daily, enough for 1.5 million people.

6.3.2 Delta Conveyance Project

The Delta Conveyance Project is a conveyance project proposed by the California Department of Water Resources. It includes the construction of two new intakes on the Sacramento River in the north Delta, an underground tunnel 45 miles in length and 36 feet in diameter, and a pumping plant to lift water from the terminus of the pipeline into the Bethany Reservoir at the beginning of the California Aqueduct.

6.3.3 Sites Reservoir

The Sites Reservoir Project is led by the Sites Project Authority, a joint powers authority made up of irrigation agencies, water districts, cities, and counties in the Sacramento Valley. It is a proposed 1.5-million-acre foot off-stream reservoir designed to capture rainwater that would be integrated with the State Water Project and Central Valley Project.

Diamond Valley Lake IO Tower

6.3.4 Water Efficiency Program

Metropolitan's Water Efficiency Team offers a suite of programs and incentives including conservation rebates for indoor and outdoor water-saving measures, investments in innovative efficiency strategies, public outreach and marketing, sponsorships for community-based organizations, and education programs.

6.3.5 Sepulveda Feeder Pumping Stage 2

On the western side of the service area, Metropolitan is designing and will construct the first stage of two new pump stations (30 cfs) along its Sepulveda Feeder to allow delivery of up to 22,000 acre-feet of additional water annually from the Diemer and Weymouth Water Treatment Plants during SWP shortages. A potential second stage (160 cfs) is in the planning process and will be evaluated through the CAMP4W process.

6.3.6 Antelope Valley-East Kern Water Agency (AVEK) High Desert Water Bank Partnership

The High Desert Water Bank is a partnership with the Antelope Valley-East Kern Water Agency (AVEK) allowing Metropolitan to store and access State Water Project supplies in the Antelope Valley groundwater basin. The project includes recharge basins, recovery and monitoring wells, and a connection to the California Aqueduct. Additional treatment facilities are underway.

6.3.7 Diamond Valley Lake (DVL) Pumped Storage with Existing Forebay

Diamond Valley Lake, completed in the 1990s, was built to store up to 810,000 acre-feet of water. The existing adjacent forebay has the potential to provide pumped storage hydropower. Pumped storage hydropower is an energy storage solution where energy is stored and generated by moving water between two reservoirs located at different elevations. At times of low electricity demand, when energy is inexpensive or renewable supplies exceed demand, the excess energy is used to pump water to an upper reservoir; during periods of high electricity demand or cost, the stored water is released through turbines from the upper reservoir into the lower one generating clean energy.

6.3.8 Battery Energy Storage Systems

Metropolitan is adding battery energy storage systems (BESS) to existing solar facilities at the Jensen, Skinner, and Weymouth Water Treatment Plants to manage daily power use and costs as well as resilience during emergency events. The projects are partially funded by the California Public Utilities Commission's enhanced incentives for microgrid-capable BESS at critical facilities.

6.3.9 Webb Track Restoration

Webb Tract, located in the Sacramento-San Joaquin Delta region, is one of four islands owned by Metropolitan. Funded by the Sacramento-San Joaquin Delta Conservancy's Nature Based Solutions grant program, the Webb Tract Wetland Project is a multi-benefit approach to ecosystem restoration and sustainable farming.

6.4 Studies, Programs, Policies, and Initiatives

In addition to an anticipated timeline for evaluating projects (Figure 6-1), the Implementation Strategy includes proactive measures to assess and address climate risks. These strategies include programs, studies, policies, and initiatives (Figure 6-2). Below is an initial set of brief descriptions.

6.4.1 Resilient Infrastructure Guidelines

To ensure climate adaptation planning and implementation is integrated across Metropolitan, inclusive of all infrastructure projects including R&R projects and new infrastructure projects, Metropolitan will develop design guidelines based on engineering standards and climate adaptation and risk-reduction considerations.

6.4.2 Fire Management Planning

Metropolitan is assessing the fire-related risks and vulnerabilities at all its facilities. Critical facilities will undergo a more thorough assessment and fire management strategies will be developed and considered for implementation.

6.4.3 Landscape Guidelines

Metropolitan will develop landscape guidelines for consistent implementation at all Metropolitan facilities to address water efficiency and fire risks.

6.4.4 Subsidies for Distribution System Leak Detection

Reducing leaks in the distribution system directly benefits the region by reducing demands on Metropolitan. This program will evaluate alternatives to provide subsidies that will detect system leaks and establish how those subsidies will be developed, funded, and implemented.

6.4.5 Nitrification Action Plan and Response Indicators

Nitrification can at times be an issue in chloraminated drinking water systems and is caused by factors such as warm water temperatures and extended water age, due to long detention times during low demand periods. Given anticipated temperature increases and reduced demands, Metropolitan will develop response indicators and an action plan for addressing this water quality related climate threat.

6.4.6 Affordability Policy

Metropolitan will develop a policy for considering and integrating affordability considerations, including efforts to support retail agencies' affordability efforts. This will work towards continuing to support Metropolitan's mission to provide regional wholesale water service in the most economically responsible way.

Diamond Valley Lake

6.4.7 Member Agency Exchange Program

As Metropolitan reviews its current business model, facilitating exchanges among Member Agencies is under consideration. Establishing potential guidelines and conditions will provide options that incorporate Member Agency needs.

6.4.8 Community Engagement Standards

Metropolitan will develop community engagement standards to guide engagement activities and programs and inform project and program assessments under the Climate Decision-Making Framework.

6.4.9 Local Resources Program Review

Metropolitan has successfully implemented its Local Resources Program for decades, assisting Member Agencies with funding for critical projects that have increased regional reliability. Metropolitan will review the program and refine if needed.

6.4.10 Turf Replacement Direct Installation

The turf replacement program may benefit from direct installation, particularly for users with limited means to self-fund the turf replacement. Metropolitan will explore options and evaluate how a program of this type may provide the most benefits, both to increase the number of users and from a cost-effectiveness standpoint.

6.4.11 Water-Efficient Turfgrass Alternatives

New technologies and research studies are emerging, and Metropolitan will evaluate how those may benefit the region and how programs may be implemented.

6.4.12 Non-Functional Turf Replacement Outreach Campaign

The non-functional turf program provides resources to remove and replace non-functional turf (e.g., turf that serves limited use) with climate appropriate alternatives to reduce demands on Metropolitan. An outreach campaign provides consistent messaging and information for all potential users.

6.4.13 Climate Vulnerability and Risk Assessments

Metropolitan developed the initial Climate Vulnerability and Risk Assessment document to help plan towards a future impacted by climate change. To implement the findings of this and planned future efforts, Metropolitan must establish a uniform methodology for performing assessments across its service area.

6.4.14 Regional East/West Conveyance System Study

The Regional East/West Conveyance System Study would look at multiple scenarios for conveying untreated Colorado River water; stored water from DVL, AVEK, or Lake Mathews; and future Pure Water Southern California (PWSC) supplies to assess all alternatives.

6.4.15 Surface Water Storage Study

An initial study identifying potential locations for new surface storage has been completed. The study identified locations that are in-region and can provide a direct benefit to the western SWP-dependent area, as well as locations within the west San Joaquin Valley that can provide a benefit to the whole service area. The next phase of the analysis will refine the evaluation criteria and create a short list of sites for a more detailed evaluation.

6.4.16 System Flexibility Study

The System Flexibility Study considers Metropolitan's ability to respond to short-term changes in water supply, water demands, and water quality and the ability to meet Member Agency needs during planned or unplanned outages. Metropolitan frequently meets with Member Agencies to discuss the findings and evaluate potential solutions in the event that the modeled conditions were to occur.

6.4.17 System Overview Study

The System Overview Study is used to understand how the system can address supply gaps, evaluate facilities required to deliver imported water supply and evaluate policies and guidelines for infrastructure improvements.

6.4.18 Watershed Restoration Pilots

Watershed Restoration Pilots support Metropolitan's One Water approach and Bay-Delta Policies to improve water supply resilience in the face of climate change. Investigations will create opportunities for additional science, foster collaborative relationships in the upper watersheds, and establish a methodology for valuing ecosystem services.

6.4.19 Brackish Groundwater Desalination Study

The Brackish Groundwater Desalination Study will identify the potential for the development of additional potable water supplies through brackish groundwater desalination. The study will also assess the opportunity for integration in adjacent water distribution systems and regional water systems.

6.4.20 Seawater Desalination Study

The Seawater Desalination Study will identify the potential for the development of additional potable water supplies through seawater desalination. The study will also assess the opportunity for integration in adjacent water distribution systems and regional water systems.

6.4.21 Colorado River Aqueduct (CRA) Transmission Strategic Plan

Metropolitan's ownership and operation of the CRA and its power transmission system, including five pumping plant facilities along the CRA, is vital to Metropolitan's mission. The CRA Transmission Strategic Plan will provide recommendations for sustainably managing and improving the system for long-term reliability, affordability and resilience.

6.4.22 Energy Sustainability Plan Update

Metropolitan will update its 2020 Energy Sustainability Plan (ESP). The ESP's purpose is to facilitate informed energy management and investment decisions through consideration of energy cost containment, system reliability, affordability, environmental co-benefits and climate adaptation.

6.4.23 Diamond Valley Lake (DVL) Pumped Storage Expansion Study

Metropolitan will evaluate the potential expansion of the pumped storage program at Diamond Valley Lake to provide additional carbon-free energy to the system.

Appendix

Metropolitan Water District of Southern California CAMP4W Comprehensive Assessment

Metropolitan is committed to meeting its mission in the face of a changing climate by developing projects and programs that advance Time-Bound Targets, consistent with the Board's priorities. This comprehensive assessment is a key part of the Climate Decision-Making Framework and will be used to support Board deliberations on which projects and programs Metropolitan should pursue.

Project/Program/Portfolio at a Glance

Title of Project/Program/Portfolio

Status (planning/design/implementation) and Date

Capacity (if applicable)

Capital Cost Operation/Maintenance or Ongoing Cost

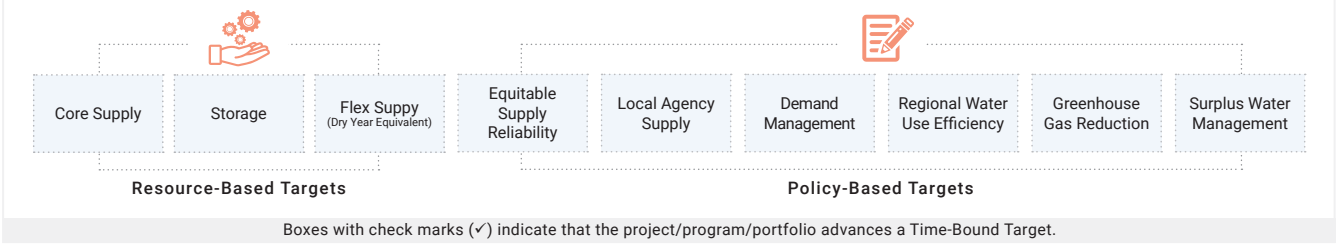
Description and how the project/program/portfolio supports water supplies, reliability and/or delivery

Portfolio view and additional potential companion projects/ programs/portfolios

Summary of Assessment and Staff Recommendation

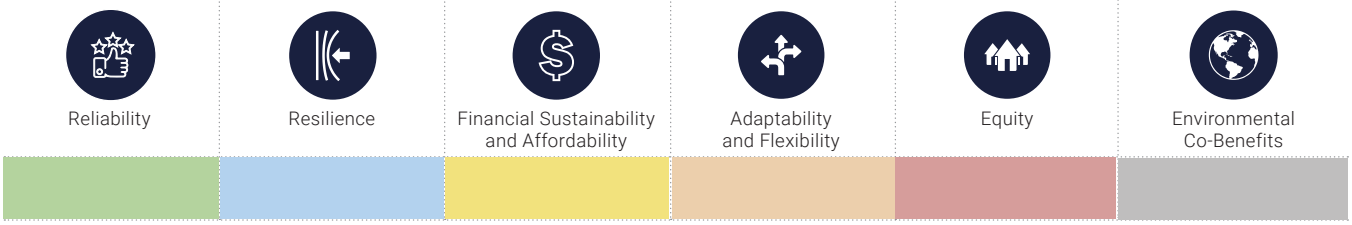
Each criteria and attribute presented on the following pages includes a description of the quantitative and qualitative measures relevant to the proposed project or programs, as well as, Metropolitan staff's recommendation.

What Time-Bound Targets Does the Project/Program/Portfolio Address?



Boxes with check marks (✓) indicate that the project/program/portfolio advances a Time-Bound Target.

Summary of Assessment and Staff Recommendation *(see footnote on Page 2 for ranking guidelines)*



See the following pages for a detailed assessment across each Evaluative Criteria category.

Map or Location Information Related to the Project, Program or Portfolio

Project, Program or Portfolio Location Information

Footnote: Ranking Guidelines Overall

These **rankings** define which level a project, program or portfolio will deliver CAMP4W objectives overall.

Comprehensive Assessment by Evaluative Criteria

Assessment

Evaluative Criteria	Attributes	Assessment	Value
Reliability Supply Performance Equitable Reliability	1. To what extent does it help meet regional supply reliability objectives under changing climate conditions?		
	2. To what extent does it advance equitable supply reliability?		
	3. When will it be operational? What is the useful life of the project/program/portfolio? How will benefits continue beyond the 2045 planning horizon under changing climate conditions?		
	4. Are there additional projects/programs/ portfolios that could be added to improve this project/program/portfolio's effectiveness for water supply reliability?		
	5. How does this project/program/portfolio improve the water supply reliability of existing projects/programs/systems?		

Additional Information

Please describe how the proposed project, program, or portfolio advances the CAMP4W Time-Bound Targets, develops new or improves existing partnerships or collaborations, and builds on existing plans, policies and initiatives at Metropolitan.	

Key: Exceptional | Significant | Moderate | Limited | Very Limited | Undetermined or Not Applicable

Ranking Guidelines at the Attribute Level

Defining to which level a project, program or portfolio will deliver CAMP4W objectives for each attribute category.

Exceptional	The project/program/portfolio directly and completely addresses the benefits being assessed by the question/statement.
Significant	The project/program/portfolio directly addresses most elements of the benefits being assessed by the question/statement.
Moderate	The project/program/portfolio only addresses some elements of the benefits being assessed by the question/statement or addresses them indirectly.
Limited	The project/program/portfolio only addresses few or minor elements of the benefits being assessed by the question/statement or provides minor indirect benefits.
Very Limited	The project/program/portfolio does not provide any or very limited benefits to those being assessed by the question/statement.
Undetermined or Not Applicable	The ranking for this project/program/portfolio is not determined at this time or the attribute is not applicable.

Overall Assessment

Overall Assessment Value

Comprehensive Assessment by Evaluative Criteria

Assessment

Evaluative Criteria	Attributes	Assessment	Value
Resilience Addresses known risks and vulnerabilities Project, Program or Portfolio's ability to perform under climate impacts	1. How does it perform under identified climate vulnerabilities and hazards (e.g., extreme heat, wildfire, sea level rise, flooding)? **Drought is addressed in Reliability*		
	2. How does it maintain system reliability, including delivery and water quality, under identified climate vulnerabilities and hazards (e.g., extreme heat, wildfire, sea level rise, flooding)? **Drought is addressed in Reliability*		
	3. Describe any resilience co-benefits (e.g., seismic) achieved through this project, program, or portfolio.		

Additional Information

Please describe how the proposed project, program, or portfolio advances the CAMP4W Time-Bound Targets, develops new or improves existing partnerships or collaborations, and builds on existing plans, policies and initiatives at Metropolitan.	

Key: Exceptional | Significant | Moderate | Limited | Very Limited | Undetermined or Not Applicable

Overall Assessment

Overall Assessment Value

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Comprehensive Assessment by Evaluative Criteria

Assessment

Evaluative Criteria	Attributes	Assessment	Value
Financial Sustainability and Affordability Unit cost	1. What is the cost of the project?		
	2. What are the projected impacts to rates and budget?		
	3. If applicable, what is the unit cost/acre foot in current year dollars? For storage projects, what is the cost/capacity?		
	4. Does considering life cycle cost change the Financial Sustainability and Affordability?		
	5. Is it eligible for federal and/or state grants? If so, what are the estimated target amount(s)? Is there a local match requirement? If so, how much?		
	6. Does it have a revenue generation component that helps offset costs?		

Additional Information

Please describe how the proposed project, program, or portfolio advances the CAMP4W Time-Bound Targets, develops new or improves existing partnerships or collaborations, and builds on existing plans, policies and initiatives at Metropolitan.	

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Comprehensive Assessment by Evaluative Criteria

Assessment

Evaluative Criteria	Attributes	Assessment	Value
Adaptability and Flexibility Flexibility of existing assets Ease / Complexity Scalability	1. Describe how it works with and/or improves the flexibility of existing assets, plans, policies or programs and how it improves the ability to adjust to systemwide changes (water quality, source water, distribution interruption).		
	2. Explain how complex the day-to-day operations might be (example: staffing, maintenance, preparation).		
	3. How can it be phased (i.e., near-term value of an initial phase; using phasing to manage existing uncertainty; using phasing to allow for adjustments in the project/program/ portfolio as new information is developed)?		
	4. What is the implementation risk and/or complexity of implementation?		

Additional Information

Please describe how the proposed project, program, or portfolio advances the CAMP4W Time-Bound Targets, develops new or improves existing partnerships or collaborations, and builds on existing plans, policies and initiatives at Metropolitan.	

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Overall Assessment

Overall Assessment Value

Comprehensive Assessment by Evaluative Criteria

Assessment

Evaluative Criteria	Attributes	Assessment	Value
Equity Programs for underserved communities Scale of community engagement Public health benefits Workforce development	1. What percentage of the area served by the project, program, or portfolio includes underserved communities and what percentage of the project/program/portfolio area is in underserved communities?		
	2. What specific community benefits are included in the project, program, or portfolio?		
	3. What level of community, tribal, and partner engagement is included in the project, program, or portfolio?		
	4. Describe the extent and reasons why there is broad community support/opposition or potential for support/opposition.		

Additional Information

Please describe how the proposed project, program, or portfolio advances the CAMP4W Time-Bound Targets, develops new or improves existing partnerships or collaborations, and builds on existing plans, policies and initiatives at Metropolitan.	

Key: Exceptional | Significant | Moderate | Limited | Very Limited | Undetermined or Not Applicable

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Overall Assessment

Overall Assessment Value

Comprehensive Assessment by Evaluative Criteria

Assessment

Evaluative Criteria	Attributes	Assessment	Value
Environmental Co-Benefits Greenhouse gas emissions Benefits Ecosystem services Habitat/wildlife benefits	1. What are the estimated greenhouse gas emissions or enhanced carbon sequestration, and how does it impact the carbon budget, as defined by the Climate Action Plan?		
	2. In what way and to what degree does it provide additional ecosystem services?		
	3. To what extent does it protect, improve, or expand wildlife and fish habitat and/or affect flows in ways that improve ecological functions for native species?		

Additional Information

Please describe how the proposed project, program, or portfolio advances the CAMP4W Time-Bound Targets, develops new or improves existing partnerships or collaborations, and builds on existing plans, policies and initiatives at Metropolitan.	

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Overall Assessment

Overall Assessment Value

Supplemental Information

Description

CAMP4W Comprehensive Assessment Guidance Document

1. Objective and Use

The objective of this Guidance Document is to provide instructional support to Metropolitan staff completing CAMP4W Comprehensive Assessments for projects, programs, and portfolios that meet the threshold for evaluation within the CAMP4W Climate Decision-Making Framework. The assessments are based on the Evaluative Criteria developed by the CAMP4W Task Force and reflect the themes and priorities for Metropolitan moving forward to integrate climate adaptation priorities into investment decisions.

The **Evaluative Criteria** represent a defined set of criteria used to establish a value assessed for projects, programs, or portfolios to support the Board's decision-making process. The Evaluative Criteria are broken out into six components: reliability, resilience, financial sustainability and affordability, adaptability and flexibility, equity, and environmental co-benefits.

Each of the Evaluative Criteria include a series of questions to generate both quantitative and qualitative information from which the project, program, or portfolio can be assessed. Each question will receive a value (**Section 2**), which will assist the Board in deliberations. This process will facilitate understanding to which level a project, program, or portfolio advances Metropolitan's long-term reliability, measured by both the Evaluative Criteria and Time-Bound Targets.

An Evaluation Committee comprised of subject matter experts from various groups within Metropolitan will conduct the Comprehensive Assessments and provide the Board with the information described below to inform decision-making. Each Criteria has an assigned subject matter lead who is responsible for gathering relevant information to make their recommendations. Assignments may be adjusted on a case-by-case basis per the discretion of the Evaluation Committee. The Committee works together to complete the Summary Page, produce supporting materials, and refine the final Assessment. Additional staff subject matter experts can be included in deliberations when necessary, and staff will engage Member Agencies during the assessment process. Staff group leads are defined below:

- Reliability: Water Resources Management
- Resilience: Engineering Services
- Financial Sustainability & Affordability: Finance
- Adaptability & Flexibility: Water Supply Operations
- Equity: Diversity, Equity, and Inclusion & External Affairs
- Environmental Co-Benefits: Sustainability, Resilience, and Innovation

The Comprehensive Assessment is broken into seven sections. The first section, Project/ Program/ Portfolio at a Glance provides an overall assessment and staff recommendations. The following sections discuss how it directly relates to Metropolitan's Evaluative Criteria. **Table 8** presents the glossary of terms used in the assessment.

2. Ranking Guide

Key attributes of each of the evaluative criteria are given a value based on the criteria shown in Figures 1 and 2. The rankings define to which level a project, program or portfolio will deliver CAMP4W objectives. A score of **Exceptional** is attributed to a project, program, or portfolio that directly and completely addresses the benefits being assessed by the question or statement. Meanwhile, a score of **Very Limited** is attributed to a project, program, or portfolio that does not provide any or has very limited benefits to those being assessed by the question or statement. Where **Not Yet Determined/Not Applicable** is selected, this indicates that the project, program, or portfolio is still in development and the questions cannot be adequately addressed, or the criteria or attribute is not applicable.

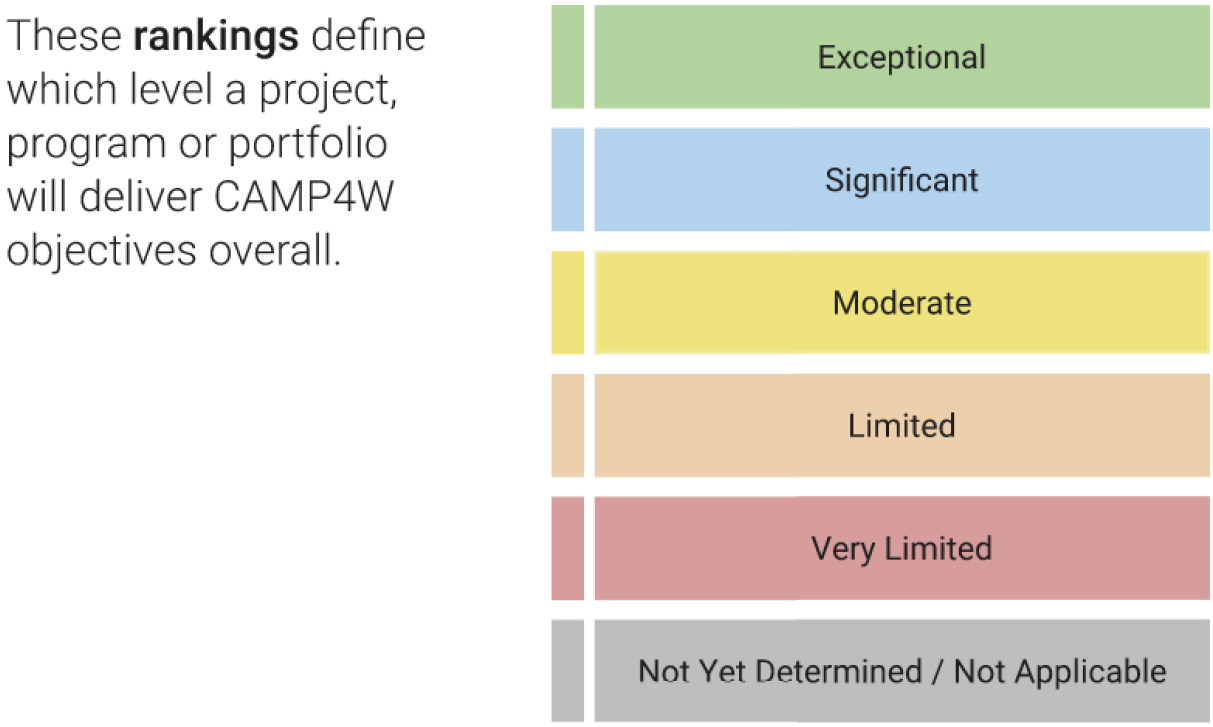


Figure 1: Ranking Guidelines at the Overall Level

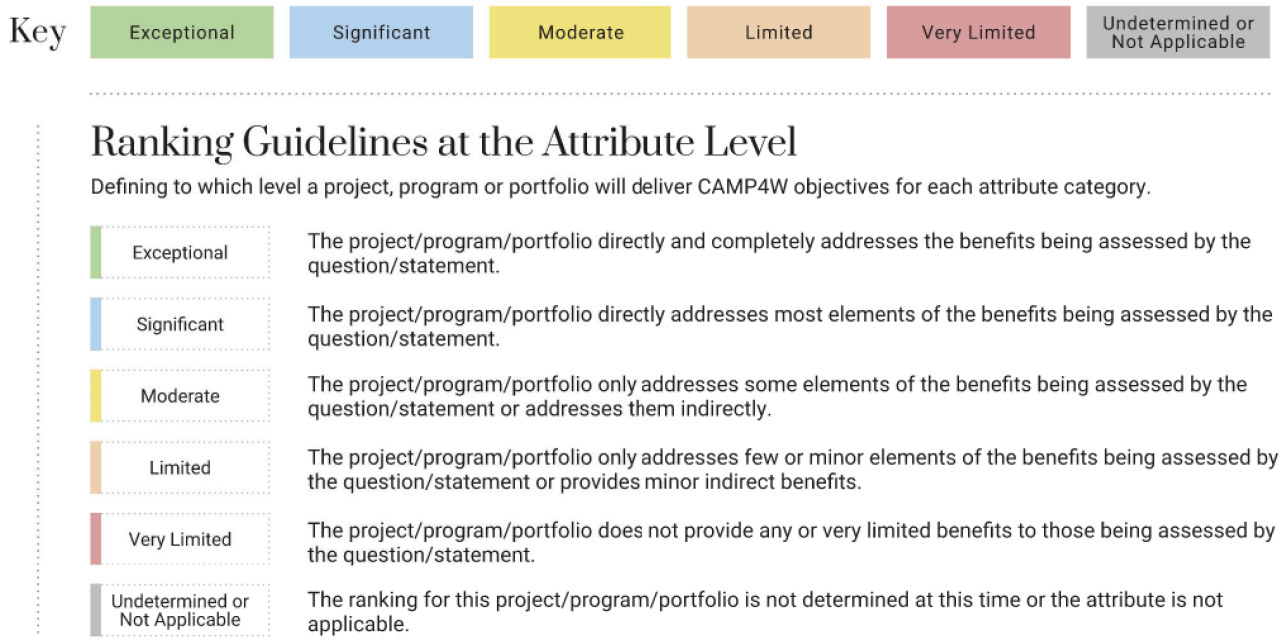


Figure 2: Ranking Guidelines at the Attribute Level

3. Project, Program, or Portfolio Location Map

A map of the project, program, or portfolio location should be included showing enough detail to illustrate the extent of the project, program, or portfolio, and show all relevant components to support Board discussions.

4. Guidance for each Evaluative Criteria

The following tables provide guidance for staff on how to complete the CAMP4W Comprehensive Assessment by providing further explanation of the intent of each question and recommendations on where to access supportive data and information.

4.1 Project/ Program/ Portfolio at a Glance

Table 1. At a Glance

Question or Title of Data Entry	Guidance
Title of Project/Program/Portfolio	Enter project/program/portfolio title.
Status and Date (planning/design/implementation)	Enter planning, design, or implementation based on status at the time the form is being prepared and provide date of assessment completion.
Capacity (if applicable)	Enter values such as acre-feet per year of core supply, acre-feet of storage, additional flex supply, cubic feet per second of conveyance capacity, megawatts and/or kilowatt hours provided.

Capital Cost	Enter the capital cost in current year dollars.
Operation/Maintenance or Ongoing Cost	Enter the operation and maintenance cost in current year dollars.
Description and how the project/program/portfolio supports water supplies, reliability and/or delivery	Explain the benefits of the project/program/portfolio as it relates to providing additional core/flex supply or storage, how it improves reliability within the system, or how it improves delivery. Include information on how it performs during wet and dry years and any restrictions (e.g., requires a new core supply to be effective in dry years, etc.). This description should be written for a general audience and without acronyms or terminology not widely understood. (i.e. instead of referencing specific IRP scenarios, describe as more severe climate conditions or stable or increased demands).
Portfolio view and additional potential companion projects/programs/portfolios	Explain how it functions when combined with other projects/programs/portfolios. May require modeling to assess how projects work together to provide benefits, or how benefits are lessened if other projects were to be implemented.
Summary of Assessment and Staff Recommendation	Summarize the comprehensive evaluation of the project/program/portfolio as it relates to the Evaluative Criteria and Time-Bound Targets. This description should focus on the most important benefits of the proposal, as well as significant limitations that need to be communicated. Avoid acronyms or terminology not widely understood and focus on how this proposal ensures the delivery of Metropolitan's core mission.

In addition to the questions posed above, the CAMP4W Comprehensive Assessment includes selection of which Time-Bound Targets the project, program, or portfolio addresses. The user will select all that apply.

The user will also select the assessment value assigned to each Evaluative Criteria. The assessment value presented as part of the summary will align with the value provided on each individual Evaluative Criteria page, as discussed in the following sections.

4.2 Reliability Attributes

Table 2 provides an overall summary of the project, program, or portfolio information and staff assessment results related to the Reliability Evaluative Criteria. This section is only relevant to water supply reliability projects, programs and/or portfolios. Energy projects, for example, will only be evaluated using the other five criteria.

It is important that assessment information is consistent to the extent possible across the various projects/programs/portfolios being assessed as part of the CAMP4W Climate Decision-Making Framework. The following sources of information should be used to support this Evaluative Criteria to ensure the assessment is comprehensive.

- Integrated Resources Plan Simulation Model (IRPSIM)
- Historical drought sequence data
- Qualitative description of reliability attributes and/or limitations

In addition to responding to each question, the user will select a value to assign to each question as well as an overall value for this Evaluative Criteria based on the key provided in **Section 2**.

Table 2. Reliability Attributes

Question or Title of Data Entry	Guidance
1. To what extent does it help meet regional supply reliability objectives under changing climate conditions?	If applicable, summarize how it performs using IRPSIM and historical drought sequencing data. Indicate how it performs under multiple scenarios, including Scenarios C and D; include A and B analysis if relevant. This should be described quantitatively based on the projected reduction in future water supply shortages.
2. To what extent does it advance equitable supply reliability?	Indicate how it supports areas within the service area experiencing supply inequity, namely the State Water Project Dependent Areas. Utilize IRPSIM and historical drought sequencing to support the analysis and indicate how it performs under multiple scenarios, including Scenarios C and D; include A and B analysis if relevant.
3. When will it be operational? What is the useful life of the project/program? How will benefits continue beyond the 2045 planning horizon under changing climate conditions?	Based on the most recent estimate at the time, indicate when it will be online and how that relates to the current planning horizon. Indicate how it will continue to perform beyond the current planning horizon (e.g., benefits beyond 2045).
4. Are there additional projects/programs/portfolios that could be	Where companion projects or programs will improve its performance and benefits, list either

added to improve this project/program/portfolio's effectiveness for water supply reliability?	specific projects, programs, or portfolios or categories of projects, programs, or portfolios that would be beneficial. Indicate if a companion project or program would be required or optional.
5. How does this project/program/portfolio improve the water supply reliability of existing projects/programs/systems?	Indicate how existing supply sources and facilities integrate with the project, program, or portfolio and how it will improve their utilization (e.g., perhaps a reservoir will utilize an existing pipeline that would otherwise be underutilized, or perhaps a new conveyance line would better distribute an existing supply).
Additional Information	Utilize this space to further expand on the analysis with any important considerations not covered above and to discuss how it advances the CAMP4W Time-Bound Targets, develops new or improves existing partnerships or collaborations, and builds on existing plans, policies, and initiatives at Metropolitan.
Overall Assessment	Provide a summary of the overall assessment for this Evaluative Criteria based on the previous questions. Explain if certain attributes were considered more significant than others in the recommended overall value determination.

4.3 Resilience Attributes

Table 3 provides an overall summary of the project, program, or portfolio information and staff assessment results related to the Resilience Evaluative Criteria.

It is important that assessment information is consistent to the extent possible across the various projects/programs/portfolios being assessed as part of the CAMP4W Climate Decision-Making Framework. The following sources of information should be used to support this Evaluative Criteria to ensure the assessment is comprehensive.

- Consider link to existing planning processes including system reliability, vulnerability, and flexibility assessments
- Consider industry infrastructure standards for climate resilience and water quality
- Consider Federal and State drinking water standards and total dissolved solids reductions
- Qualitative description of resilience attributes and/or limitations

In addition to responding to each question, the user will select a value to assign to each question as well as an overall value for this Evaluative Criteria based on the key provided in **Section 2**.

Table 3. Resilience Attributes

Question or Title of Data Entry	Guidance
1. How does it perform under identified climate vulnerabilities and hazards (e.g., extreme heat, wildfire, sea level rise, flooding)? *Drought is addressed in Reliability	This question is focused on the individual project, program, or portfolio level. Discuss how the project, program, or portfolio itself can withstand climate impacts (e.g., how resilient it is in the face of climate extremes). Reference here any existing vulnerability assessment that may be relevant. This should focus on climate impacts beyond drought to understand how durable the project, program, or portfolio is and what threats it may face.
2. How does it maintain system reliability, including delivery and water quality, under identified climate vulnerabilities and hazards (e.g., extreme heat, wildfire, sea level rise, flooding)? *Drought is addressed in Reliability	This question is focused on the system level. Discuss how the project, program, or portfolio will help Metropolitan's system as a whole to be more resilient to climate impacts beyond drought (e.g., how will it help Metropolitan face climate extremes).
3. Describe any resilience co-benefits (e.g., seismic) achieved through this project, program, or portfolio.	Explain how it can also strengthen Metropolitan's system in the face of other risks such as seismic risks. Also indicate if the project, program, or portfolio is itself resilient to those risks.
Additional Information	Utilize this space to further expand on the analysis with any important considerations not covered above and to discuss how it advances the CAMP4W Time-Bound Targets, develops new or improves existing partnerships or collaborations, and builds on existing plans, policies, and initiatives at Metropolitan.
Overall Assessment	Provide a summary of the overall assessment for this Evaluative Criteria based on the previous questions. Explain if certain attributes were considered more significant than others in the recommended overall value determination.

4.4 Financial Sustainability and Affordability Attributes

Table 4 provides an overall summary of the project, program, or portfolio information and staff assessment results related to the Financial Sustainability and Affordability Evaluative Criteria.

It is important that assessment information is consistent to the extent possible across the various projects/programs/portfolios being assessed as part of the CAMP4W Climate Decision-Making Framework. The following sources of information should be used to support this Evaluative Criteria to ensure the assessment is comprehensive.

- Project Costs (capital, O&M, life cycle, net present value)
- Qualitative description of potential funding opportunities and/or project partners

In addition to responding to each question, the user will select a value to assign to each question as well as an overall value for this Evaluative Criteria based on the key provided in **Section 2**.

Table 4. Financial Sustainability and Affordability Attributes

Question or Title of Data Entry	Guidance
1. What is the cost impact?	Provide overall cost in current year dollars and anticipated financing plan, if applicable.
2. What are the projected impacts to rate and budget?	Provide the overall cost impact (%) and the average annual cost increase (% over X years).
3. If applicable, what is the unit cost/acre foot in current year dollars? For storage projects, what is the cost/capacity?	For supply projects, provide the cost/acre foot to bring water to Metropolitan's service area. Point-in-time unit cost: Assumes all debt issued in year one and full operation in year one. Lifecycle unit cost: Average unit cost over project life. Includes replacements and refurbishments costs. For storage projects, provide the cost/capacity. For other projects, programs, or portfolios, provide any relevant unit costs.
4. Does considering life cycle cost change the Financial Sustainability and Affordability?	Explain potential life cycle costs of the project, program, or portfolio and how its value changes over time and what impact that may have to rates or other metrics.
4. Is it eligible for federal and/or state grants or other funding sources? If so, what are the estimated target amount(s)? Is there a local match requirement? If so, how much?	Provide an explanation of any federal and/or state grants to Metropolitan including details about any matching requirements. Be clear about which are certain/expected, and which are potential/speculative.
5. Does it have a revenue generation component that helps offset costs?	Provide details of any opportunities for the project, program, or portfolio to have a revenue generation component. Be clear about which are certain/expected, and which are potential/speculative.

Additional Information	Utilize this space to further expand on the analysis with any important considerations not covered above and to discuss how it advances the CAMP4W Time-Bound Targets, develops new or improves existing partnerships or collaborations, and builds on existing plans, policies, and initiatives at Metropolitan.
Overall Assessment	Provide a summary of the overall assessment for this Evaluative Criteria based on the previous questions. Explain if certain attributes were considered more significant than others in the recommended overall value determination.

4.5 Adaptability and Flexibility Attributes

Table 5 provides an overall summary of the project, program, or portfolio information and staff assessment results related to the Adaptability and Flexibility Evaluative Criteria.

It is important that assessment information is consistent to the extent possible across the various projects/programs/portfolios being assessed as part of the CAMP4W Climate Decision-Making Framework. The following sources of information should be used to support this Evaluative Criteria to ensure the assessment is comprehensive.

- Quantitative and qualitative description of potential added system operational flexibility (redundancy, water quality, etc.) and implementation complexity and risks (ROW, timing, partners, etc.)
- Quantitative and qualitative description of scalability (cost, benefits, impacts)
- Qualitative description of impact on day-to-day operations
- Ability to adapt to uncertainties and sustain a specified performance across changing conditions (e.g., demand, legislation, energy costs)

In addition to responding to each question, the user will select a value to assign to each question as well as an overall value for this Evaluative Criteria based on the key provided in **Section 2**.

Table 5. Adaptability and Flexibility Attributes

Question or Title of Data Entry	Guidance
1. Describe how it works with and/or improves the flexibility of existing assets, plans, policies or programs and how it improves the ability to adjust to systemwide changes (water quality, source water, distribution interruption).	Describe how it works with and/or improves the flexibility of existing assets, plans, policies or programs and how it improves the ability to adjust to systemwide changes (water quality, source water, distribution interruption). Include any areas where it reduces the flexibility of existing assets, plans, policies, or programs.

	This should be focused on operational considerations.
2. Explain how complex the day-to-day operations might be (example: staffing, maintenance, preparation).	Describe how it works and how it will be staffed by Metropolitan. Will there be a need for additional staff or training of existing staff? What is the long-term maintenance need of the project or program/?
3. How can it be phased (i.e., near-term value of an initial phase; using phasing to manage existing uncertainty; using phasing to allow for adjustments in the project/program/portfolio as new information is developed)?	Describe if it can be phased to either reduce the initial cost or to allow for flexibility in timing? Is there a benefit of implementing it all at once, or does approaching it in a modular way allow for future adjustments based on changing conditions and/or needs?
4. What is the implementation risk and/or complexity of implementation?	Describe any risks or challenges associated with implementing the project, program, or portfolio, specifically those that could prevent or significantly delay implementation. Are there permits required, if so, are they complicated or difficult to obtain? Are there risks/complications associated with construction? Are there risks if the project, program, or portfolio is delayed?
Additional Information	Utilize this space to further expand on the analysis with any important considerations not covered above and to discuss how it advances the CAMP4W Time-Bound Targets, develops new or improves existing partnerships or collaborations, and builds on existing plans, policies and initiatives at Metropolitan.
Overall Assessment	Provide a summary of the overall assessment for this Evaluative Criteria based on the previous questions. Explain if certain attributes were considered more significant than others in the recommended overall value determination.

4.6 Equity Attributes

Table 6 provides an overall summary of the project, program, or portfolio information and staff assessment results related to the Equity Evaluative Criteria.

It is important that assessment information is consistent to the extent possible across the various projects/programs/portfolios being assessed as part of the CAMP4W Climate Decision-Making Framework. The following sources of information should be used to support this Evaluative Criteria to ensure the assessment is comprehensive.

- The latest CalEnviroScreen scores and percentiles in project area
- Percent of project, program, or portfolio area considered a Disadvantaged Community (CA Water Code 79505.5)
- Qualitative description of level of community, tribal and partner engagement
- Qualitative description of direct community benefits associated with project/program
- Consider using tool to measure/monetize co-benefits, where appropriate
- Scope of Community Benefits Program proposed

In addition to responding to each question, the user will select a value to assign to each question as well as an overall value for this Evaluative Criteria based on the key provided in **Section 2**. Projects in underserved communities are not inherently positive or negative but depend on how they are executed. Moderate values indicate that the project, program, or portfolio does not exacerbate existing community inequities. Projects addressing the needs of underserved communities score higher under these metrics.

Table 6. Equity Attributes

Question or Title of Data Entry	Guidance
1. What percentage of the area served by the project, program or portfolio includes underserved communities and what percentage of the project/program/portfolio area is in underserved communities?	This is a quantitative assessment. Provide specific CalEnviroScreen and Water Code §79505.5 references. Include information related to area served by the project, program, or portfolio. Assigned values for this attribute should be measured relative and proportional to the total percentage of underserved communities in Metropolitan's service area (~40% in 2024).
2. What specific community benefits are included in the project, program, or portfolio?	Explain the benefits of the project/program/portfolio as it relates to local communities that are impacted by it. Benefits may include workforce opportunities, water quality improvements, urban greening, localized resilience, public health, opportunities for small businesses/disadvantaged business enterprises (DBEs), etc. Provide details of the Community Benefits Program proposed, where applicable. Discuss benefits other than water supply; water supply benefits should be covered in the Reliability section. Also describe any anticipated disruption or harm to underserved communities.

3. What level of community, tribal, and partner engagement is included in the project, program, or portfolio?	Explain the level of community, tribal, and partner engagement that is included in the project, program, or portfolio. Be clear about the difference between past or ongoing engagement and planned or intended engagement.
4. Describe the extent and reasons why there is broad community support/opposition or potential for support/opposition.	Provide additional information on the extent of support or opposition and any reasons why those factors exist, and if there are any ways to mitigate opposition and/or increase support.
Additional Information	Utilize this space to further expand on the analysis with any important considerations not covered above and to discuss how it advances the CAMP4W Time-Bound Targets, develops new or improves existing partnerships or collaborations, and builds on existing plans, policies, and initiatives at Metropolitan.
Overall Assessment	Provide a summary of the overall assessment for this Evaluative Criteria based on the previous questions. Explain if certain attributes were considered more significant than others in the recommended overall value determination.

4.7 Environmental Co-Benefits Attributes

Table 7 provides an overall summary of the project, program, or portfolio information and staff assessment results related to the Environmental Co-Benefits Evaluative Criteria.

It is important that assessment information is consistent to the extent possible across the various projects/programs/portfolios being assessed as part of the CAMP4W Climate Decision-Making Framework. The following sources of information should be used to support this Evaluative Criteria to ensure the assessment is comprehensive.

- GHG and pollutant load estimates
- Qualitative description of ecosystem services and functions provided
- Consider using tool to measure/monetize co-benefits, where appropriate
- Acreage of land impacted; Acre-feet of water provided to ecosystem benefits; or other such metrics

In addition to responding to each question, the user will select a value to assign to each question as well as an overall value for this Evaluative Criteria based on the key provided in S**ection 2**.

Table 7. Environmental Co-Benefits Attributes

Question or Title of Data Entry	Guidance
1. What are the estimated greenhouse gas emissions or enhanced carbon sequestration, and how does it impact the carbon budget, as defined by the Climate Action Plan?	Provide quantitative information related to the estimated greenhouse gas emissions for the project, program, or portfolio. If applicable, compare to existing project/program/portfolio emissions and describe how it is or is not consistent with assumptions in the 2045 carbon budget. Include any proposed mitigation to reduce or offset estimated emissions, including the potential for carbon sequestration.
2. In what way and to what degree does it provide additional ecosystem services?	Detail any way and to what degree it provides additional ecosystem services, such as benefits to watershed health, forest or natural land management, pollution reduction, or agricultural sustainability (species and habitat benefits are discussed in question #3 below). Where appropriate, describe how those improvements may support water supply, water quality or other functions important to the Metropolitan mission. Are there negative impacts that may be challenging to mitigate?
3. To what extent does it protect, improve, or expand wildlife and fish habitat and/or affect flows in ways that improve ecological functions for native species?	Provide information related to potential benefits to species, habitat, or ecological functions. Does the project, program, or portfolio contain any elements that improve ecological functions for native species? Where appropriate, describe how those improvements may support water supply, water quality or other functions important to the Metropolitan mission. Are there negative impacts that may be challenging to mitigate?
Additional Information	Utilize this space to further expand on the analysis with any important considerations not covered above and to discuss how it advances the CAMP4W Time-Bound Targets, develops new or improves existing partnerships or collaborations, and builds on existing plans, policies and initiatives at Metropolitan.
Overall Assessment	Provide a summary of the overall assessment for this Evaluative Criteria based on the previous questions. Explain if certain attributes were considered more significant than others in the recommended overall value determination.

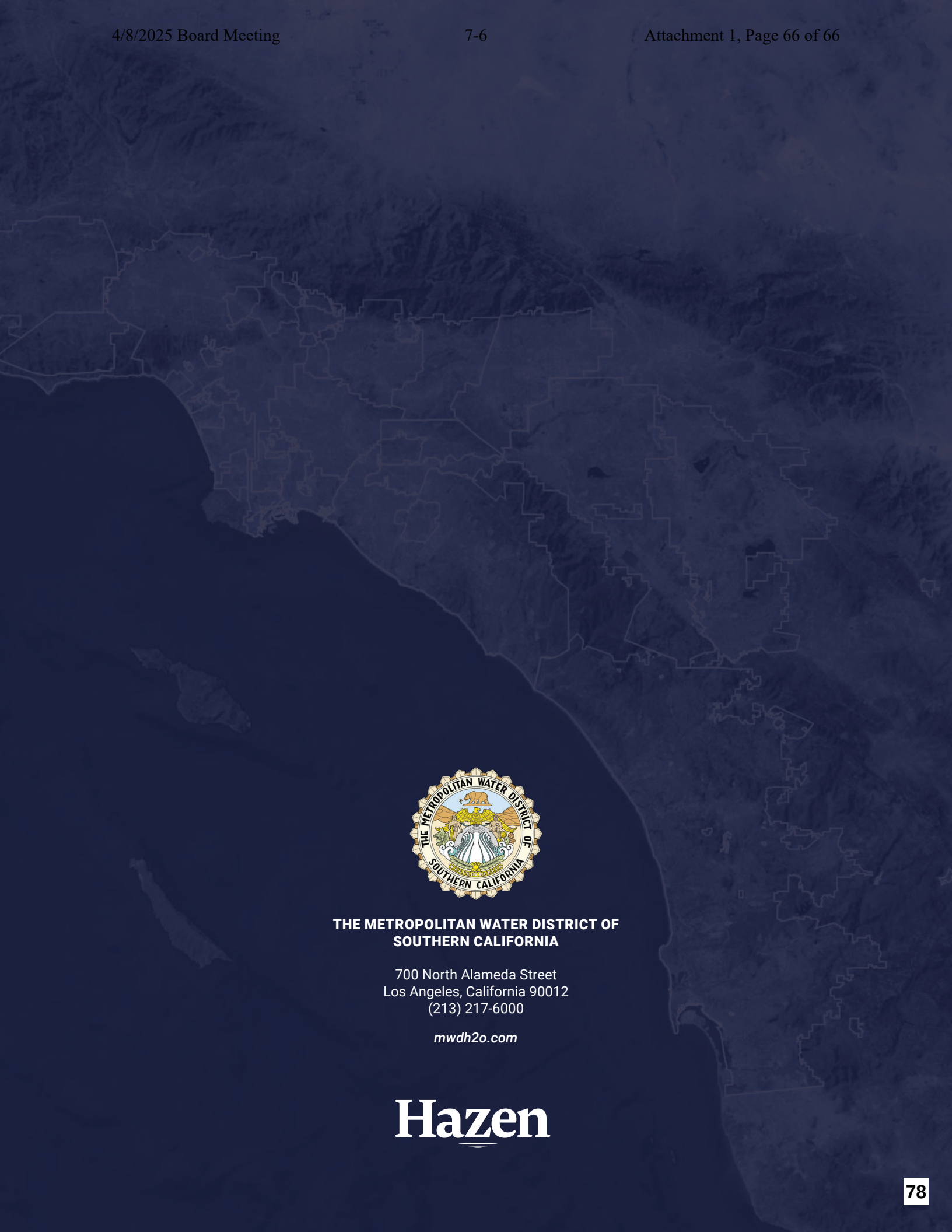
Table 8. CAMP4W Glossary of Terms

Term	Definition
Adaptability and Flexibility	Considers how a project, program, or portfolio improves operational flexibility, the difficulty of implementation, and if a program is able to be phased. Flexibility addresses the capability of Metropolitan's system to respond to changes in water supply, water quality, treatment requirements, or demands during planned and unplanned facility outages.
Adaptive Management	A process that encourages the use of new information to respond to changing conditions. Allows Metropolitan to plan for rapid change and adjust based on current real-world conditions
Affordability	Relative cost burden and elastic ability to access (pay for) service and support member agency efforts to provide affordable supply to their customers
AFY	Acre-Feet per Year
CalEnviro Screen	CalEnviroScreen 4.0 is a methodology to identify communities disproportionately burdened by pollution provided by the California Office of Environmental Health Hazard Assessment (OEHHA)
CAMP4W	Climate Adaptation Master Plan for Water
CAP	Climate Action Plan
Capacity	Refers to the project/program/portfolio design parameters, which may include the acre-feet per year, cubic feet per second, megawatts, or other metric depending on the type of project.
CFS	Cubic Feet per Second
Climate Decision-Making Framework	The process by which Metropolitan assesses investment decisions through a methodical, data driven manner while accounting for climate risks and vulnerabilities, Board preferences and financial implications. Builds in the process for adaptively making decisions over time based on evolving conditions
Climate Vulnerability Assessments	Assessments developed to identify infrastructure that is most vulnerable to climate change
Co-Benefits	Benefits the extend beyond the primary purpose of the project/program/portfolio.
Community Benefits Program	Program to identify, fund, and implement local projects that can provide tangible, lasting, and valuable economic and social benefits to the residents, businesses, and organizations impacted by construction and operation of the project.

Companion Projects	Projects that support the project/program/portfolio being assessed, which without the companion project would not be able to function within Metropolitan's system due to connectivity, supply source, power supply, or other, but which have not been combined to form a portfolio for assessment purposes (for example, if a project has multiple potential companion projects to consider).
Core Supply	Supply that is generally available and used every year to meet demands under normal conditions and may include savings from efficiency gains through structural conservation.
CRA	Colorado River Aqueduct
Demand Management	Managing long-term demands through the efficient use of water
Disadvantaged Community	Defined in California in Water Code 79505.5 as a community with an annual mean household income (MHI) that is less than 80 percent of the statewide MHI, and a severely disadvantaged community is defined by an MHI below 60 percent of the statewide MHI.
Drought Mitigation Projects	Projects identified to improve Metropolitan's response to drought in response to the vulnerability experienced in the State Water Project Dependent Areas during the 2020-2022 drought.
Ecosystem Services	Direct and indirect benefits that ecosystems provide humans including, but limited to, drinking water, air quality, flood protection, food, recreation, tourism, and carbon sequestration.
Ecological Functions	Natural processes and interactions within an ecosystem, supporting life and maintaining environmental balance. This includes processes like nutrient cycling, pollination, and habitat formation, which are critical for sustaining biodiversity and ecosystem health.
Environmental Co-Benefits	Measures greenhouse gas emissions, ecosystem services, and benefits to habitat and wildlife
Equitable Supply Reliability	All member agencies receive equivalent water supply reliability through an interconnected and robust system of supplies, storage, and programs.
Equity	Fair, just, and inclusive
Evaluative Criteria	Metrics used to assess and rank projects/programs/portfolios; a defined set of criteria used to establish a value for projects, programs, and portfolios which support the Board’s decision-making process. Evaluative Criteria are used in collaboration with the Time-Bound Targets and Signposts to support investment decisions.
Financial Plan	Metropolitan's current financial circumstances and its long-term and short-term goals

Flex Supply	A supply that is implemented on an as-needed basis and may or may not be available for use each year and may include savings from focused, deliberate efforts to change water use behavior.
Financial Sustainability	Revenues sufficient to cover expenses over the short- and long-term.
GHG	Greenhouse Gas Emissions
IRP	Integrated Water Resources Plan
IRPSIM	IRPSIM is a water supply and demand mass balance simulation model, which analyzes the supply-demand gaps.
Life cycle cost	Cost over the expected life of the project/program/portfolio inclusive of capital and operations and maintenance costs and escalation factors.
Local Agency Supply	Member Agency supplies
LRFP	Long-Range Financial Plan
Member Agency Projects	Projects led by Member Agencies that are brought to the Metropolitan Board for funding consideration
MW	Megawatt
O&M	Operation and Maintenance
Operational	Refers to the time period when the project/program/portfolio will be online and fully functioning as intended.
Phased	Refers to a project/program/portfolio's ability to be implemented in phases, which may indicate increased flexibility during the adaptive management process.
Planning Horizon	Refers to the year in which Metropolitan is currently planning towards (e.g., 2045 based on the 2020 IRP Needs Assessment).
Portfolio	A subset of projects/programs that would be implemented together.
Project Lists	A compilation of projects that will be analyzed through the CAMP4W process
R & R	Refurbishment and replacement. Refers to projects that are required to maintain Metropolitan's existing infrastructure but does not refer to additional capital projects needed to address a specific vulnerability (climate or earthquake) beyond typical system maintenance
Regional Water Use Efficiency	Refers to Metropolitan’s efforts to assist Retail Agencies with achieving, or exceeding, compliance with the State Water Resources Control Board Water Use Efficiency Standards
Reliability	Ability to always meet water demands.

Resilience projects	Capital projects that increase resilience of existing infrastructure beyond what would be included in a typical R&R project
Resilience	Ability to withstand and recover from disruptions
Signposts	Real-world metrics that allow Metropolitan to monitor how projections align with the real world. Signposts will guide the revision of Time-Bound Targets over time, shaping project and program development and helping inform the Board's investment decisions at different project stages.
Source Information	Refers to the source of data or analysis process that should be used to support the assessment to provide a uniform evaluation process across projects and programs.
Storage	The capability to save water supply to meet demands at a later time. Converts core supply into flexible supply and evens out variability in supply and demand.
Surplus Water Management	Management of excess water available beyond current demands that is stored for future and anticipated periods of need.
SWP	State Water Project
SWPDA	State Water Project Dependent Area
System Assessment	Documentation of Metropolitan's current system and policies
TAF	Thousand-Acre-Feet
Task Force for CAMP4W	A group made up of a select list of Metropolitan Board Members, Member Agency Managers, and Metropolitan staff tasked with guiding the CAMP4W process
Themes	A series of Board identified priorities developed during the early phases to represent the values of the CAMP4W planning process. The Themes inform the development of the Evaluative Criteria so that the assessment of projects/programs/portfolios reflects these Themes and therefore the Board preferences.
Time-Bound Targets	A series of resource development targets and policy-based targets that establish goals to be achieved in the near-, mid-, and long-term. Time-Bound Targets are set based on current planning targets (current real-world conditions) and are updated based on Signposts.
Vulnerability Assessment Recommendations	Recommendations for infrastructure needed to harden the existing system in the face of climate change and other hazards the region face
Working Memoranda	Documentation of the CAMP4W process that will form the basis for the Master Plan.



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Hazen

Finance, Affordability, Asset Management and Efficiency Committee

Approve Climate Adaptation Master Plan Implementation Strategy

Item 7-6

April 8, 2025

Item 7-6

CAMP4W Implementation Strategy

Subject

Approve the Climate Adaptation Master Plan for Water Implementation Strategy to guide decision-making and the adaptive management process.

Purpose

Seek Committee and Board approval of the Climate Adaptation Master Plan for Water Implementation Strategy to culminate this current planning phase and lay out implementation timelines for the next five years.

Next Steps

The CAMP4W Implementation Strategy tools and policy guidance will be implemented with regular updates, reviews, and decision-making by the Board.

CAMP4W Task Force Reviewed the Updated Implementation Strategy

- ✓ Five-Year Implementation Timelines
- ✓ Forward from the Chair providing context and past accomplishments
- ✓ New water quality section and updates throughout
- ✓ Elevated Water Efficiency Program to show CAMP4W assessment in timeline
- ✓ Discussed Adaptative Management Framework and Board decision-making moving forward

Climate Adaptation Master Plan for Water

IRP Regional Needs Assessment

Climate Risk and Vulnerability Assessments

Infrastructure Studies and Assessments

Public & Partners Engagement

Implementation Strategy

Time-Bound Targets

Policy Framework

Implementation Timelines

Climate Decision-Making Framework

Evaluative Criteria

Project/Program Assessments

CIP Integration

Adaptive Management

Signposts

Annual Reports

Long-Term Reviews

Business Model Alignment

Water Resources Strategies

Financial Strategies

Affordability Strategies

Financial Forecast and Budget

Climate Adaptation Master Plan for Water

IRP Regional Needs Assessment

Climate Risk and Vulnerability Assessments

Infrastructure Studies and Assessments

Public & Partners Engagement

Implementation Strategy

Time-Bound Targets

Policy Framework

Implementation Timelines

Climate Decision-Making Framework

Evaluative Criteria

Project/Program Assessments

CIP Integration

Adaptive Management

Signposts

Annual Reports

Long-Term Reviews

Business Model Alignment

Water Resources Strategies

Financial Strategies

Affordability Strategies

Financial Forecast and Budget

CAMP4W Provides an Iterative and Adaptive Process

Key Takeaways for CAMP4W Implementation Phase

- Scenario planning allows us to consider a variety of futures given the uncertainties of climate change
- Time-Bound Targets represent the range of possible futures and are used for planning purposes
- Adaptive management approach includes tracking signposts and current trends to inform Board decision-making
- Climate Decision-Making Framework provides a comprehensive and standardized approach to evaluating potential adaptation investments
- Climate Adaptation Policy Framework guides initiatives and the institutionalization of climate adaptation across Metropolitan

Action Item

Option #1 Approve Climate Adaptation Master Plan Implementation Strategy

Option #2 Do Not Approve Climate Adaptation Master Plan Implementation Strategy

Staff Recommendation

Option #1 Approve Climate Adaptation Master Plan Implementation Strategy


THE METROPOLITAN WATER DISTRICT OF
SOUTHERN CALIFORNIA
1928

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Action

- **Board of Directors**
  Finance, Affordability, Asset Management, and Efficiency Committee

4/8/2025 Board Meeting

7-7

Subject

Adopt resolutions fixing and adopting a Readiness-to-Serve Charge and a Capacity Charge for calendar year 2026; the General Manager has determined the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

This letter recommends adoption of the resolutions to fix and adopt a Readiness-to-Serve (RTS) Charge and a Capacity Charge effective January 1, 2026, based on the budget, rates and charges adopted by the Board on April 9, 2024.

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

Staff Recommendation: Option #1

Option #1

Adopt resolutions fixing and adopting a Readiness-to-Serve Charge and a Capacity Charge for calendar year (CY) 2026.

Fiscal Impact: Revenues from fixed charges of $234.3 million in CY 2026
Business Analysis: Collection of fixed revenues of $234.3 million from the RTS Charge and the Capacity Charge in CY 2026 would support fiscal integrity for Metropolitan, as all other revenue collected from member agencies is volumetric-based. Foregoing collection of the approximate $234.3 million from the proposed charges would create a deficit in the budget.

Option #2

Do not adopt resolutions fixing and adopting a Readiness-to-Serve Charge and a Capacity Charge for CY 2026. Direct staff to set a process to revisit fiscal year (FY) 2025/26 of the biennial budget and the water rates for CY 2026 to address the resulting deficit, and report back on the proposed process to the Board at its regular May 2025 meeting.
Fiscal Impact: Net revenue deficit will depend on any revised budget and water charges.
Business Analysis: This option would result in the loss of fixed revenues which were reflected in the adopted budget for FY 2025/26 and the water rates for CY 2026. Loss of the budgeted fixed revenue would require staff to revisit the current budget and water rates to ensure such rates will result in revenue which will pay the expenses of Metropolitan.

Alternatives Considered

Not applicable

Applicable Policy

Metropolitan Water District Act Section 61: Ordinances, Resolutions and Orders

Metropolitan Water District Act Section 133: Fixing of Water Rates

Metropolitan Water District Act Section 134: Adequacy of Water Rates; Uniformity of Rates

Metropolitan Water District Act Section 134.5: Water Standby or Availability of Service Charge

Metropolitan Water District Administrative Code Section 4301(a): Cost of Service and Revenue Requirement

Metropolitan Water District Administrative Code Section 4304: Apportionment of Revenues and Setting of Water Rates

By Minute Item 53596, dated April 9, 2024, the Board approved the biennial budget for fiscal years 2024/25 and 2025/26.

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

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 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

On April 9, 2024, Metropolitan's Board adopted its biennial budget for fiscal years 2024/25 and 2025/26, rates for calendar years (CYs) 2025 and 2026, and charges for CY 2025. However, since the RTS and Capacity Charge are applied to the member agencies based on historic data with a one-year lag, the charges can only be calculated one year ahead. In April 2024, the volumetric rates were approved for two years, but the RTS and Capacity Charge have only been approved for one year (CY 2025), effective on January 1, 2025.

In meetings and workshops held from February through April 2024, Metropolitan's Board, the Finance and Asset Management Committee of the Board, and Metropolitan's member agencies reviewed and evaluated the biennial budget and revenue requirements and the rates and charges necessary to support the revenue requirements. A public hearing was held on March 12, 2024. All documents provided to the Board in connection with its April 2024 Board action were posted online, along with other supporting and background material, at: https://www.mwdh2o.com/budget-finance/#proposed-section. The documents remain available in support of the charges proposed in this letter.

The RTS Charge is set to recover capital costs of the portion of Metropolitan's system that is available to provide emergency storage and available capacity during outages and hydrologic variability. The Capacity Charge is set to recover peaking capacity costs on Metropolitan's distribution system. In adopting the biennial budget on April 9, 2024, the Board determined the amount of revenue to be raised by the RTS Charge and the Capacity Charge,

collectively, would be $224.4 million in CY 2025 and $236.4 million in CY 2026. At that meeting, the Board approved the resolutions to adopt the RTS and Capacity Charges for CY 2025. Staff now proposes to the Board resolutions to adopt the RTS Charge (**Attachment 1**) and the Capacity Charge (**Attachment 2**) for CY 2026, at the amounts previously determined by the Board through its approval of the biennial budget, rates, and charges on April 9, 2024. The revenue to be collected from the Capacity Charges for CY 2026 is estimated to be approximately $2.1 million lower than the budgeted estimate due to lower-than-projected peaks by member agencies during the applicable months. The proposed resolutions provide an estimate of each member agency's share of the RTS and Capacity Charge in 2026, and include an Engineer's Report that also supports the continuation of the Standby Charge that some agencies have elected to use to pay their RTS Charge obligations.

The continuation of the Standby Charge will be presented to the Board for consideration at its regular May meeting. The notice to member agencies of the proposed adoption of the RTS and Capacity Charges for 2026 and continuation of the Standby Charge for FY 2025/26 (**Attachment 3**) was provided to member agencies via email on March 17, 2025.

3/28/2025
Katano Kasaine *Date*
Assistant General Manager/
Chief Financial Officer

3/28/2025
Deven Upadhyay *Date*
General Manager

Attachment 1 – Resolution Fixing and Adopting a Readiness-to-Serve Charge Effective January 1, 2026

Attachment 2 – Resolution Fixing and Adopting a Capacity Charge Effective January 1, 2026

Attachment 3 – Notice to Member Agencies of Proposed Adoption of Readiness-to-Serve Charge and Capacity Charge for 2026 and Continuation of Standby Charge

Ref# cfo12698919

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

RESOLUTION ____

RESOLUTION OF THE BOARD OF DIRECTORS OF THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA FIXING AND ADOPTING A READINESS-TO-SERVE CHARGE EFFECTIVE JANUARY 1, 2026

The Board of Directors of The Metropolitan Water District of Southern California (the "Board") hereby finds that:

1. Pursuant to Resolution 8774, the Board of The Metropolitan Water District of Southern California ("Metropolitan") approved a rate structure proposal at its meeting on October 16, 2001, described in Board Letter 9-6, including a Readiness-To-Serve ("RTS") Charge; and

2. Providing firm revenue sources is a goal of such rate structure; and

3. The amount of revenue to be raised by the RTS Charge shall be as determined by the Board and allocation of the RTS Charge among member public agencies ("member agencies") shall be in accordance with the method established by the Board; and

4. The RTS Charge is a charge fixed and adopted by Metropolitan and charged to its member agencies, and is not a fee or charge imposed upon real property or upon persons as an incident of property ownership; and

5. Metropolitan has legal authority to fix and adopt such RTS Charge as a water rate pursuant to Sections 133 and 134 of the Metropolitan Water District Act (the "Act"), and to fix it as an availability of service charge pursuant to Section 134.5 of the Act; and

6. Under authority of Sections 133 and 134 of the Act, the Board has the authority to fix the rate or rates for water as will result in revenue which, together with other revenues, will pay Metropolitan's operating expenditures and provide for payment of other costs, including payment of the interest and principal of Metropolitan's non-tax funded bonded debt; and

7. The RTS Charge recovers the capital expenditures for infrastructure projects needed to provide emergency storage capacity and available capacity needed to maintain reliable deliveries during outages and service interruptions and during periods of hydrologic variability; and

8. Pursuant to Resolution 8322, adopted by the Board on May 14, 1991, Resolution 8329, adopted by the Board on July 9, 1991, Resolution 9199, adopted by the Board on March 8, 2016, and Resolution 9201, adopted by the Board on March 8, 2016, and as each is thereafter amended and supplemented, proceeds of the RTS Charge and other revenues from the sale or availability of water are pledged to the payment of Metropolitan's revenue bonds, subordinate revenue bonds, short-term certificates and commercial paper; and

9. Under authority of Section 134.5 of the Act, an RTS Charge levied as an availability of service charge may be collected from the member agencies within Metropolitan, or may continue to be collected as a standby charge against individual parcels within Metropolitan's service area; and

10. Certain member agencies of Metropolitan have opted in prior fiscal years to provide collection of all or a portion of their RTS Charge obligation through a Metropolitan water standby charge ("Standby Charge") levied on parcels within those member agencies; and

11. Under authority of Section 134.5 of the Act, the Standby Charge may continue to be levied on each acre of land or each parcel of land less than an acre within Metropolitan to which water is made available for any purpose by Metropolitan, whether the water is actually used or not; and

12. Metropolitan is willing to comply with the requests of member agencies opting to have Metropolitan continue to levy the Standby Charge within their respective territories, on the terms and subject to the conditions contained herein; and

13. On April 9, 2024, the Board considered the rates and charges presented by the General Manager, approved the biennial budget for fiscal years 2024/25 and 2025/26, adopted recommended water rates for calendar years 2025 and 2026 and charges for calendar year 2025, and received information and documents that have been made available at https://www.mwdh2o.com/who-we-are/budget-finance/; and

14. In approving the Proposed Biennial Budget and adopting the rates and charges on April 9, 2024, the Board determined the amount of revenue to be raised by the RTS Charge in calendar year 2026 to be $188,000,000, based on information and documents available at https://www.mwdh2o.com/who-we-are/budget-finance/; and

15. Written notice of intention of Metropolitan's Board to consider and take action at its regular meeting of April 8, 2025, to adopt Metropolitan's RTS Charge for calendar year 2026 was given to each of Metropolitan's member agencies; and

16. The RTS Charge for calendar year 2026 applicable to each member agency is reflected in the Engineer's Report dated April 2025 and its method of its calculation and the specific data used in its determination are as specified in the cost of service report; and

17. Each of the meetings of the Board were conducted in accordance with the Brown Act (commencing at Section 54950 of the Government Code), for which due notice was provided and at which quorums were present and acting throughout;

NOW, THEREFORE, the Board does hereby resolve, determine and order as follows:

Section 1. That the Board hereby fixes and adopts an RTS Charge for the period from January 1, 2026 through December 31, 2026.

Section 2. That said RTS Charge shall be in an amount sufficient to provide for payment of debt service not paid from *ad valorem* property taxes, and other appropriately allocated costs, for capital expenditures for infrastructure projects needed to provide emergency storage capacity and available capacity needed to maintain reliable deliveries during outages and service interruptions and during periods of hydrologic variability.

Section 3. That such RTS Charge for January 1, 2026 through and including December 31, 2026 shall be in the amounts specified in Section 4, which shall be determined on a historic basis for each acre-foot of water,

included in Metropolitan's average water deliveries to its member agencies for the applicable ten-year period identified in Section 4. The aggregate RTS Charge for the period from January 1, 2026 through and including December 31, 2026 shall also be as specified in Section 4.

Section 4. That the RTS Charge for January 1, 2026 through and including December 31, 2026 shall be allocated among the member agencies in proportion to the average of applicable deliveries (including exchanges and transfers) through Metropolitan's system (in acre-feet) to each member agency during the ten-year period ending June 30, 2024, unless otherwise agreed and approved by Metropolitan's Board. The allocation of the RTS Charge among member agencies is based on deliveries data recorded by Metropolitan and shall be conclusive in the absence of manifest error but may be corrected by Metropolitan to reflect any errors discovered by Metropolitan.

The amount of the RTS Charge to be charged to each member agency effective January 1, 2026, is as set forth in Schedule 1, which is based on deliveries data prepared by Metropolitan and may be corrected as agreed to by the impacted member agencies:

Schedule 1

Calendar Year 2026 RTS Charge			
Member Agency	Rolling Ten-Year Average Firm Deliveries (Acre-Feet) FY2014/15 - FY2023/24	RTS Share	12 months @ $188 million per year (1/26-12/26)
Anaheim	23,328.3	1.84%	$ 3,457,223
Beverly Hills	9,458.6	0.75%	1,401,752
Burbank	10,532.3	0.83%	1,560,873
Calleguas MWD	85,497.7	6.74%	12,670,645
Central Basin MWD	30,647.0	2.42%	4,541,845
Compton	8.3	0.00%	1,230
Eastern MWD	96,954.0	7.64%	14,368,454
Foothill MWD	8,062.2	0.64%	1,194,807
Fullerton	6,128.6	0.48%	908,250
Glendale	14,676.3	1.16%	2,175,008
Inland Empire Utilities Agency	54,727.4	4.31%	8,110,528
Las Virgenes MWD	18,431.7	1.45%	2,731,553
Long Beach	26,463.1	2.09%	3,921,796
Los Angeles	242,114.6	19.09%	35,881,061
Municipal Water District of Orange County	172,537.1	13.60%	25,569,769
Pasadena	18,267.3	1.44%	2,707,190
San Diego County Water Authority	145,667.0	11.48%	21,587,655
San Fernando	470.7	0.04%	69,757
San Marino	990.4	0.08%	146,776
Santa Ana	7,865.5	0.62%	1,165,657
Santa Monica	5,039.7	0.40%	746,877
Three Valleys MWD	60,225.0	4.75%	8,925,265
Torrance	14,683.8	1.16%	2,176,120
Upper San Gabriel Valley MWD	40,189.6	3.17%	5,956,045
West Basin MWD	108,841.6	8.58%	16,130,180
Western MWD	66,759.6	5.26%	9,893,684
MWD Total	1,268,567.4	100.00%	$ 188,000,000

Totals may not foot due to rounding

The General Manager shall establish and make available to member public agencies procedures for administration of the RTS Charge, including filing and consideration of applications for reconsideration of their respective RTS Charge. The General Manager shall review any applications for reconsideration submitted in a timely manner. The General Manager shall also establish reasonable procedures for the filing of appeals from his determination.

Section 5. That the RTS Charge specified in Schedule 1, together with other revenues from Metropolitan's water rates, other charges, ad valorem property taxes, and other miscellaneous revenue, does not exceed the reasonable and necessary cost of providing Metropolitan's water services for which the rates and

charges are made, or of conferring the benefit provided, and is fairly apportioned to each member agency as specified in Section 6 below.

Section 6. That water conveyed through Metropolitan's system for the purposes of water transfers, exchanges or other similar arrangements shall be included in the calculation of a member agency's rolling ten-year average firm demands used to allocate the RTS Charge.

Section 7. That the RTS Charge and the amount applicable to each member agency, the method of its calculation, and the specific data used in its determination are as specified in the adopted rates and charges to be effective January 1, 2026, which forms the basis of the RTS Charge, and the corresponding 2024 Cost of Service Report. The adopted rates and charges and cost of service reports are on file and available for review by interested parties at Metropolitan's headquarters.

Section 8. That except as provided in Section 10 below with respect to any RTS Charge collected by means of the Standby Charge, the RTS Charge shall be due monthly, quarterly or semiannually as agreed upon by Metropolitan and the member agency.

Section 9. That such RTS Charge may, at the request of any member agency which elected to utilize the Standby Charge as a mechanism for collecting the RTS Charge obligation in fiscal year 1993/94, be collected by continuing the Standby Charge at rates not to exceed rates levied in fiscal year 1996/97 upon land within Metropolitan's (and such member agency's) service area to which water is made available by Metropolitan for any purpose, whether such water is used or not.

Section 10. That the Standby Charge shall be collected on the tax rolls, together with the *ad valorem* property taxes which are levied by Metropolitan for the payment of pre-1978 voter-approved indebtedness. Any amounts so collected shall be applied as a credit against the applicable member agency's RTS Charge obligation. After such member agency's RTS Charge allocation is fully satisfied, any additional collections shall be credited to other outstanding obligations of such member agency to Metropolitan that funds the capital costs or maintenance and operation expenses for Metropolitan's water system, or future RTS Charge obligations of such agency. Notwithstanding the provisions of Sections 8 and 9 above, any member agency requesting to have all or a portion of its RTS Charge obligation collected through Standby Charge levies within its territory as provided herein shall pay any portion not collected through net Standby Charge collections to Metropolitan, as provided in Administrative Code Section 4507.

Section 11. That notice is hereby given to the public and to each member agency of The Metropolitan Water District of Southern California of the intention of Metropolitan's Board to consider and take action at its regular meeting to be held May 14, 2024 (or such other date as the Board shall hold its regular meeting in such month), on the General Manager's recommendation to continue the Standby Charge for fiscal year 2025/26 under authority of Section 134.5 of the Act on land within Metropolitan at rates not to exceed rates, per acre of land, or per parcel of land less than an acre, levied in fiscal year 1996/97 upon land within Metropolitan's (and such member agency's) service area. Such Standby Charge will be continued as a means of collecting the RTS Charge.

Section 12. That no failure to collect, and no delay in collecting, any Standby Charge shall excuse or delay payment of any portion of the RTS Charge when due.

Section 13. That the RTS Charge is fixed and adopted by Metropolitan as a rate or charge on its member agencies, and is not a fee or charge imposed upon real property or upon persons as incidents of property ownership, and the Standby Charge is collected within the respective territories of electing member agencies as a mechanism for payment of the RTS Charge. In the event that the Standby Charge, or any portion thereof, is determined to be an unauthorized or invalid fee, charge or assessment by a final judgment in any proceeding at

law or in equity, which judgment is not subject to appeal, or if the collection of the Standby Charge shall be permanently enjoined and appeals of such injunction have been declined or exhausted, or if Metropolitan shall determine to rescind or revoke the Standby Charge, then no further Standby Charge shall be collected within any member agency and each member agency which has requested continuation of the Standby Charge as a means of collecting its RTS Charge obligation shall pay such RTS Charge obligation in full, as if continuation of such Standby Charge had never been sought.

Section 14. That the General Manager and the General Counsel are hereby authorized to do all things necessary and desirable to accomplish the purposes of this Resolution, including, without limitation, the commencement or defense of litigation.

Section 15. 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 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.

Section 16. That the General Manager is hereby authorized and directed to take all necessary action to satisfy relevant statutes requiring notice by mailing or by publication.

Section 17. That the Board Executive Secretary is hereby directed to transmit a certified copy of this Resolution to the presiding officer of the governing body of each member agency.

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 April 8, 2025.

_____

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

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
ENGINEER'S REPORT

PROGRAM TO SET A READINESS-TO-SERVE CHARGE EFFECTIVE JANUARY 1, 2026,

INCLUDING LOCAL OPTION TO CONTINUE COLLECTING A STANDBY CHARGE, DURING FISCAL YEAR 2025/26

April 2025

BACKGROUND

The Metropolitan Water District of Southern California is a public agency with a primary purpose to provide wholesale water service for domestic and municipal uses to its 26 member public agencies. Approximately 19 million people reside within Metropolitan's service area, which covers approximately 5,200 square miles and includes portions of the six counties of Los Angeles, Orange, Riverside, San Bernardino, San Diego and Ventura. Metropolitan historically provided between 40 and 60 percent of the water used within its service area. To supply Southern California with reliable and safe water, Metropolitan imports water from the Colorado River and Northern California to supplement its member agencies' local supplies, and helps its member agencies develop increased water conservation, recycling, storage and other local resource programs.

REPORT PURPOSES

As part of its role as a regional imported water supplier, Metropolitan builds, maintains, and operates capital facilities and implements water management programs that ensure the delivery of reliable high-quality water supplies throughout its service area. The purpose of this report is to: (1) identify and describe those facilities and programs that will be financed in part by Metropolitan's Readiness-to-Serve (RTS) Charge, and (2) describe the method and basis for levying Metropolitan's Standby Charge for those agencies electing to continue to collect a portion of their RTS obligation through Metropolitan's Standby Charge in fiscal year 2025/26. **Because the Standby Charge is levied and collected on a fiscal year basis the calculations in this report also are for the fiscal year, even though the RTS Charge is levied on a calendar year basis.** The RTS Charge for calendar year 2025 was adopted by Metropolitan's Board on April 9, 2024 and the RTS Charge for 2026 will be considered by the Board on April 8, 2025. The Board will consider the continuation of the Standby Charge for fiscal year 2025/26 on May 13, 2025.

Metropolitan collects the RTS Charge from its member agencies to recover a portion of the capital costs including debt service on bonds issued to finance capital facilities needed to meet demands on Metropolitan's system for emergency storage and available capacity to meet outages and hydrologic variability. The Standby Charge is collected from parcels of land within Metropolitan's member agencies that have elected to collect all or a portion of their RTS obligation through the Standby Charge, as a method of recovering the costs of special benefits conferred on parcels within their service area. The RTS Charge will partially pay for the facilities and programs described in this report, namely, the amount attributable to the portions providing emergency storage and available capacity to meet outages and hydrologic variability. The Standby Charge, when collected, will be utilized solely for capital payments and debt service on the capital facilities funded by the RTS Charge, as identified in this report.

The budgeted total RTS revenue for fiscal year 2025/26 is $184.5 million, of which $43.9 million is estimated to be collected via the Standby Charge based on fiscal year 2024/25 collections of the Charge as set forth in Table 5. The Standby Charge is collected on property tax bill.

METROPOLITAN'S RESPONSE TO FLUCTUATING WATER DEMANDS AND AVAILABILITY OF WATER SOURCES

Metropolitan's member agencies have widely differing imported water supply needs and the availability of imported water supply from various sources also varies widely. Some agencies have no local water resources and rely on Metropolitan for 100 percent of their annual water needs. Other agencies have adequate local surface supplies and storage and/or groundwater basins that provide them with the majority of their water supplies during wet and average years. However, during dry periods and/or based on a variety of other factors, these agencies rely on Metropolitan to make up any shortfalls in local water supplies. Similar coordination challenges arise in managing water available from Metropolitan's various water supply sources.

To respond to fluctuating demands for water, Metropolitan and its member agencies collectively examined the available local and imported resource options in order to develop a cost-effective plan that meets the reliability and quality needs of the region. The product of this intensive effort was an Integrated Resources Plan (IRP) for achieving a reliable and affordable water supply for Southern California. The major objective of the IRP was to develop a comprehensive water resources plan that ensures (1) reliability, (2) affordability, (3) water quality, (4) diversity of supply, and (5) adaptability for the region, while recognizing the environmental, institutional, and political constraints to resource development. As these constraints change over time, the IRP is periodically revisited and updated by Metropolitan and the member agencies to reflect current conditions. The most recent update was adopted in 2016. In 2022, Metropolitan's Board adopted the 2020 IRP Regional Needs Assessment that incorporated scenario planning to address wide-ranging uncertainties rather than focusing on a single set of assumptions as in the past. To meet the water supply needs of the region, Metropolitan continues to identify and develop additional water supplies to maintain the reliability of the imported water supply and delivery system to its member agencies.

CAPITAL FACILITIES — CONVEYANCE AND DISTRIBUTION

Metropolitan's water system has been built over time to meet the widely differing needs of its member agencies and the various sources of water available to Metropolitan. To meet those needs, Metropolitan's water delivery system is comprised of three basic conveyance and delivery components that form one integrated water system:

- State Water Project (SWP);
- Colorado River Aqueduct (CRA); and
- Distribution System

The system draws on diverse supply sources, transports water across a large part of the State and distributes water in six counties, where member agencies or their retail sub-agencies serve an estimated 19 million people. The CRA and the California Aqueduct of the SWP convey imported water into the Metropolitan service area. This water is then delivered to Metropolitan's member agencies via a regional network of canals, pipelines, and appurtenant facilities, which constitute the Distribution System. Supply, treatment, and storage facilities augment the Distribution System. The system is an interconnected regional conveyance and distribution system with the ability to deliver supplies from each of the SWP, the CRA, and its storage portfolio to most areas of its vast and diverse service area to almost every member agency. This flexibility derives from the capital facilities and provides local and system-wide benefits to all member agencies, as the facilities directly contribute to the reliable delivery of water supplies throughout Metropolitan's service area. The 2020 IRP Needs Assessment, however, identified reliability risks faced by member agencies that depend predominantly on SWP supplies served by Metropolitan.

As the 2007 Integrated Area Study (IAS) emphasized, regional system flexibility is a key component of overall reliability.[1] Today, system flexibility continues to be essential to the availability of Metropolitan's services.[2] Metropolitan must maintain operational flexibility—the ability to respond to short-term changes in regional water supply, water quality, treatment requirements, and member agency demands. Metropolitan must maintain delivery flexibility—the ability to maintain partial to full water supply deliveries during planned and unplanned facility outages. Metropolitan is also required by state statute to serve as large an area as is determined to be reasonable and practical with SWP water; and where a blend of water sources is served, to have the objective to the extent determined to be reasonable and practical. (MWD Act, Sec. 136.)

Metropolitan's intent in the 2007 Integrated Area Study was to provide equitable reliability across its service area through a balanced combination of infrastructure, storage, demand management, and water supply programs. In the context of climate change, historical hydrology proved an inadequate guide to supplies available from the State Water Project and the Colorado River. From 2020 through 2022, imported supply losses outstripped the ability of Metropolitan's portfolio to compensate. Further, Metropolitan could not provide equitable service to all member agencies. As such, Metropolitan's board in August 2022 adopted a resolution that committed to three new policy statements:

1. All member agencies must receive equivalent water supply reliability through an interconnected and robust system of supplies, storage, and programs.

2. Metropolitan will reconfigure and expand its existing portfolio and infrastructure to provide sufficient access to the integrated system of water sources, conveyance and distribution, storage, and programs to achieve equivalent levels of reliability to all member agencies.

3. Metropolitan will eliminate disparate water supply reliability through a One Water integrated planning and implementation approach to manage finite water resources for long-term resilience and reliability, meeting both community and ecosystem needs

In 2023, a series of winter storms brought much needed precipitation in both the northern Sierra and the Upper Colorado River Basins, improving available supplies for Metropolitan. Water supply conditions greatly improved, but also presented challenges to store and distribute all available supplies.

Operational flexibility is being increased by creating an interconnected regional delivery network integrating the SWP and the CRA conveyance systems with the Distribution System. This integrated network will fully allow Metropolitan to incorporate supply from the SWP and the CRA with a diverse portfolio of geographically dispersed storage programs, including the Central Valley groundwater storage programs, carryover storage in San Luis Reservoir, flexible storage capacity in Castaic Lake and Lake Perris, Lake Mead storage, the Desert Water Agency/Coachella Valley Water District Advanced Delivery account, in-basin surface storage in Diamond Valley Lake and Lake Mathews, and in-basin groundwater Conjunctive Use Programs. This integrated, regional network also allows Metropolitan to move supplies throughout the system in response to service demands, supply availability and operational needs.

Metropolitan's integrated conveyance, distribution and storage assets contributes to regional system reliability, with a structural limitation that became starkly evident in the 2020-2022 drought. It is fair and reasonable for member agencies and all property owners within the service area to share the cost of developing and maintaining these assets and newly identified system flexibility projects because they all benefit from regional system flexibility and reliability.

[1] 2007 Integrated Area Study, Report No. 1317, pg. 2-10.
[2] 2024 Annual Operating Plan, pg. 8-14

State Water Project Description and Benefits

One of Metropolitan's two major sources of water is the SWP.[3] The SWP is the largest state-built, multipurpose, user-financed water project in the country. It was designed and built primarily to deliver water, but also provides flood control, generates power for pumping, is used for recreation, and enhances habitat for fish and wildlife.

The SWP consists of a complex system of dams, reservoirs, power plants, pumping plants, canals and aqueducts to deliver water. See Figure 1. SWP water consists of water from rainfall and snowmelt runoff that is captured and stored in SWP conservation facilities and then delivered through SWP transportation facilities to water agencies and districts located throughout the Upper Feather River, Bay Area, Central Valley, Central Coast, and Southern California. In addition to the delivery of SWP water, the SWP is also used to convey transfers of SWP water and non-SWP water. Metropolitan receives water from the SWP through the California Aqueduct, which is 444 miles long, and at four delivery points near the northern and eastern boundaries of Metropolitan's service area.

Figure 1. Facilities of the State Water Project

[3] For historical and current information regarding the SWP, refer to Bulletin 132, published periodically by DWR since 1963. The most recently published Bulletin is Bulletin 132-21 dated July 2024 and titled "Management of the California State Water Project". Appendices to the Bulletin are also updated separately. Both are available at: https://water.ca.gov/Programs/State-Water-Project/Management/Bulletin-132.

The SWP is managed and operated by the Department of Water Resources (DWR). All water supply-related capital expenditures and operations, maintenance, power and replacement (OMP&R) costs associated with the SWP conservation and transportation facilities are paid for by 29 agencies and districts, known collectively as the State Water Contractors (Contractors). The Contractors are participants in the SWP through long-term contracts for the delivery of SWP water and use of the SWP transportation facilities.

In 1960, Metropolitan signed the first water supply contract (as amended, the State Water Contract) with DWR. The original term of the water supply contract was 75 years. In 2022, a contract extension was authorized which extended the original term by another 50 years to 2085. In addition to SWP water, Metropolitan also obtains water from water transfers, groundwater banking and exchange programs delivered through the California Aqueduct.

Since 1960, the SWP system has been extended, improved, and refurbished. All such costs are payable by the Contractors. California WaterFix was a comprehensive science-based solution proposed by the state to modernize critical water delivery infrastructure of the SWP. On October 10, 2017, Metropolitan's Board voted to support financing for the California WaterFix project. However, the state terminated the project in April 2019. Consistent with the Governor's Executive Order N-10-19, the state then announced a new single tunnel Delta conveyance project, which was notably included as part of the Governor's 2020 Water Resilience Portfolio. In 2019, DWR initiated planning and environmental review for a single tunnel Delta Conveyance Project (DCP) to protect the future reliability of access to SWP supplies. In December 2020, the Metropolitan Board authorized the General Manager to execute agreements for (a) funding a share of up to 60.2 percent for planning and pre-construction costs for the DCP, and (b) an amendment to the Joint Powers Agreement for the Delta Conveyance Design and Construction Joint Powers Authority. A Delta conveyance project will contribute to the improvement of capital facilities needed to meet demands on Metropolitan's system for emergency storage and available capacity to meet outages and hydrologic variability. Metropolitan's biennial budget for fiscal years 2024/25 and 2025/26 includes Metropolitan's planned contribution of $11.6 million for DWR's planning costs of a new Delta conveyance project.

In December 2024, Metropolitan's Board authorized the General Manager to enter into an amended funding agreement for an amount not to exceed $141.6 million for preconstruction work on the Delta conveyance project planned during 2026-2027. The projection includes approximately $25.7 million in FY 2025/26 that were not included in the second year of the adopted 2024/25 and 2025/26 Budget, or the adopted calendar year 2026 rates. Metropolitan recently secured a commitment form DWR for a refund of $75 million in past SWP payments that will cover the $25.7 million anticipated to be spent in FY 2025/26.

All Metropolitan member agencies benefit from the SWP system and its supplies, which—when available—can be distributed to all member agencies. As described above, the 2020-2022 drought led Metropolitan's board to recommit itself to equitable water supply reliability and to direct staff to identify and pursue solutions to prevent a reoccurrence. Metropolitan's member agencies distribute that water to parcels as retail water providers or as wholesale water providers to retail agencies. In this way, the SWP water that Metropolitan delivers to its member agencies contributes to water available to existing and future end users throughout Metropolitan's service area. The cost of the net capital payments for the SWP less the portion covered by property taxes in fiscal year 2025/26 is $0 million, as shown in Table 1. Real property throughout Metropolitan's service area benefits from the availability of the SWP facilities and its integration into Metropolitan's system and therefore all such costs may be attributed to such parcels. However, Metropolitan's Standby Charge collects only $43.9 million of the total $319.0 million system costs, representing 14% of the total system costs.

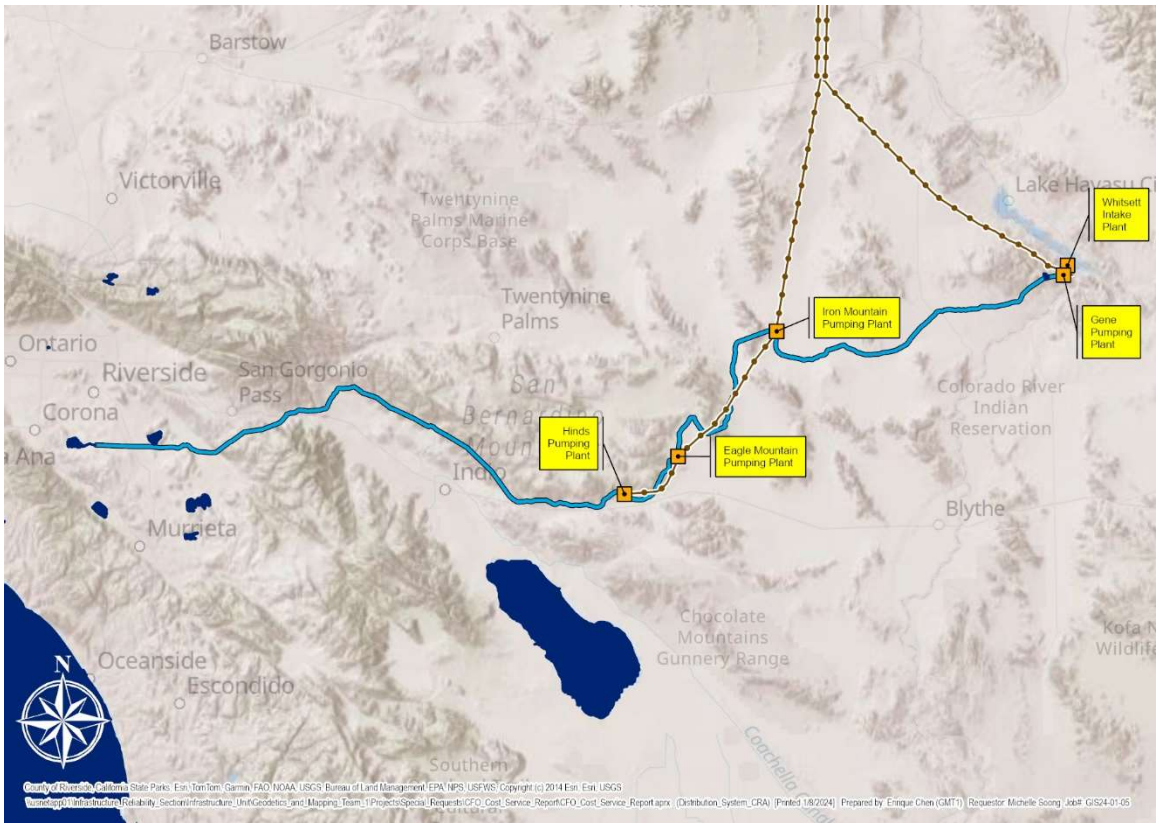
Colorado River Aqueduct Description and Benefits

Metropolitan's other major source of water is the CRA. Metropolitan was established to obtain an allotment of Colorado River water, and its first mission was to construct and operate the CRA. The CRA consists of five pumping plants, 450 miles of high voltage power lines, one electric substation, four regulating reservoirs, and 242

miles of aqueducts, siphons, canals, conduits and pipelines terminating at Lake Mathews in Riverside County. See Figure 2. Metropolitan owns, operates, and manages the Colorado River Aqueduct. Metropolitan is responsible for operating, maintaining, rehabilitating, and repairing the CRA, and is responsible for obtaining and scheduling energy resources adequate to power pumps at the CRA's five pumping stations.

Metropolitan incurs capital and operations and maintenance expenditures to support the CRA activities. The direct costs of the CRA activities include labor, materials and supplies, as well as outside services to provide repair and maintenance, and professional services. The CRA activities benefit from Water System Operations support services and management supervision, as well as Administrative and General activities of Metropolitan. Metropolitan finances past, current, and future capital improvements on the CRA, and capitalizes those improvements as assets. The costs of Metropolitan's capital financing activities are apportioned to cost functions, such as the CRA Conveyance and Aqueduct function. The capital cost of the Colorado River Aqueduct and Inland Feeder in fiscal year 2025/26 is $90.9 million, and is included in the Non-SWP Conveyance System line item in Table 1. Real property throughout Metropolitan's service area benefits from the availability of the CRA facilities and its integration into Metropolitan's system and therefore all such costs may be attributed to such parcels. However, Metropolitan's Standby Charge collects only $43.9 million of the total $319.0 million system costs, representing 14% of the total system costs.

Figure 2. Colorado River Aqueduct



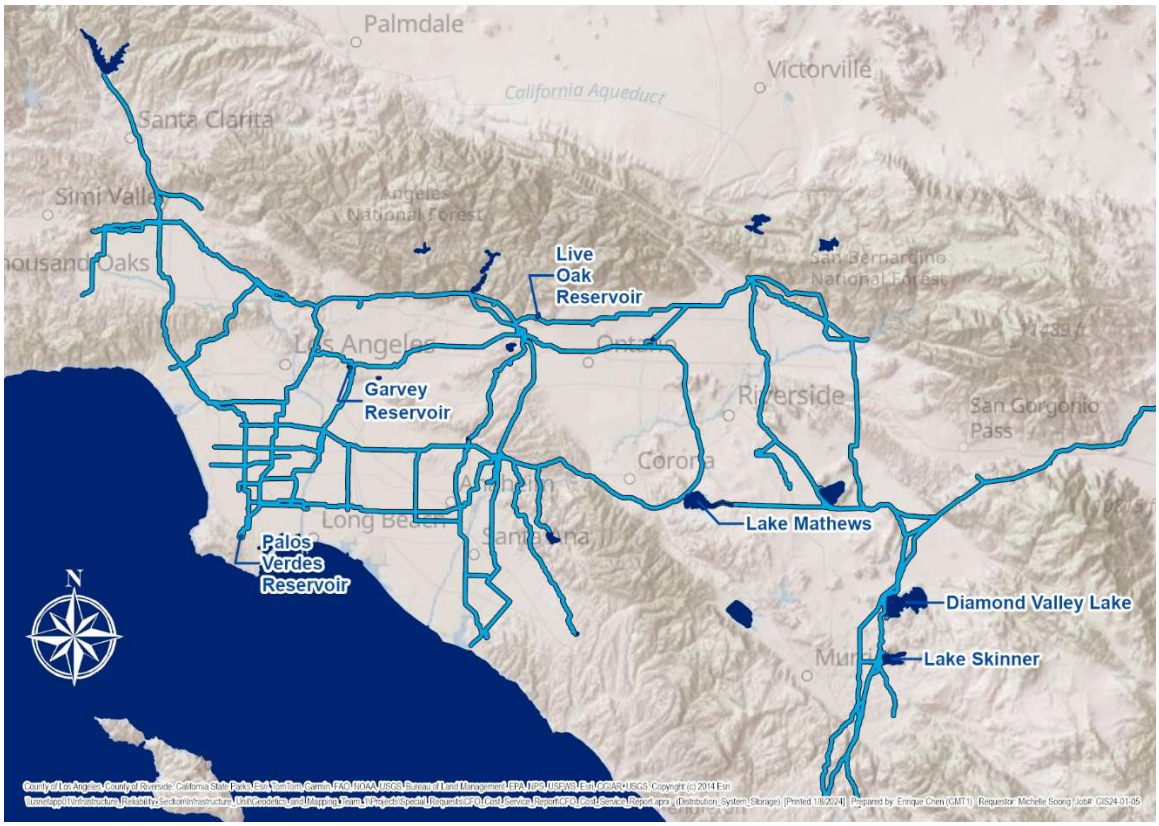
Metropolitan's Conveyance and Distribution System Benefits

For purposes of this report, components of the conveyance system are considered to include only those major trunk facilities that transport water from primary supply sources to either regional storage facilities or feeder lines linked to the primary conveyance facilities. See Figure 3. For a list of Metropolitan's conveyance facilities within its service area, see Table 3. All other water transport facilities, including pipelines, feeders, laterals, canals and

aqueducts, are considered to be distribution facilities. Distribution facilities can be further identified in that they generally have at least one connection to a member agency's local distribution system. For a list of Metropolitan's distribution facilities, see Table 3.

All water transport facilities not specifically identified as part of the regional conveyance system are considered to be distribution facilities (Distribution System). While conveyance and aqueduct system components are regional in nature and generally do not link directly to local agency distribution systems, Distribution System facilities do ultimately connect to local agency systems. As a result, these facilities rely on conveyance and aqueduct facilities to import water from regional supply sources. The Distribution System is a complex network of facilities which routes water from the CRA and SWP to the member agencies. Beginning at the terminal delivery points of the CRA and SWP, Metropolitan's Distribution System includes approximately 775 miles of pipelines, feeders, and canals. Distribution System operations are coordinated from the Operations Control Center in Eagle Rock. The control center plans, schedules, and balances daily water operations in response to member agency demands and the operational limits of the system as a whole. Metropolitan's storage and treatment facilities augment the Distribution System. Metropolitan operates and maintains separate untreated and treated distribution facilities.

Figure 3. Metropolitan's Distribution and Storage Facilities



Metropolitan has an ongoing commitment, through physical system improvements and the maintenance and rehabilitation of existing facilities, to maintain the reliable delivery of water throughout the entire service area. System flexibility improvement projects include additional conveyance and distribution facilities to maintain the dependable delivery of water supplies, provide alternative system delivery capacity, and enhance system operations. Conveyance and distribution system improvement benefits also include projects to upgrade obsolete facilities or equipment, or to rehabilitate or replace facilities or equipment. These projects are needed to enhance system operations, comply with new regulations, and maintain a reliable distribution system. A list of

conveyance and distribution system facilities is provided in Table 3 along with the fiscal year 2025/26 estimated conveyance and distribution system benefits. The capital cost of the Distribution System in fiscal year 2025/26 is $102.0 million, and is included in the Distribution System line item in Table 1. Real property throughout Metropolitan's service area benefits from the availability of the Distribution System and its integration into Metropolitan's system and therefore all such costs may be attributed to such parcels. However, Metropolitan's Standby Charge collects only $43.9 million of the total $319.0 million system costs, representing 14% of the total system costs.

CAPITAL FACILITIES – WATER STORAGE

System Storage Benefits

The Metropolitan system, for purposes of meeting demands during times of shortage, regulating system flows, and ensuring system reliability in the event of a system outage, provides over 1,000,000 acre-feet of system storage capacity. Diamond Valley Lake provides 810,000 acre-feet of that storage capacity, effectively doubling Southern California's previous surface water storage capacity. Other existing imported water storage available to the region consists of Metropolitan's raw water reservoirs, a share of the SWP's raw water reservoirs in and near the service area, and the portion of the groundwater basins used for conjunctive-use storage.

Water stored in system storage during above average supply conditions (surplus) provides a reserve against shortages when supply sources are limited or disrupted. Water storage also preserves Metropolitan's capability to deliver water during scheduled maintenance periods, when conveyance facilities must be removed from service for rehabilitation, repair, or maintenance. The benefits of these capital facilities are both local and system-wide, as the facilities directly contribute to the reliable delivery of water supplies throughout Metropolitan's service area. The capital costs of water storage in fiscal year 2025/26 is $126.1 and, as shown in Table 1. Real property throughout Metropolitan's service area benefits from the availability of the storage capacity throughout the service area and its integration into Metropolitan's system and therefore all such costs may be attributed to such parcels. However, Metropolitan's Standby Charge collects only $43.9 million of the total $319.0 million system costs, representing 14% of the total system costs.

METROPOLITAN'S REVENUE

Metropolitan's major capital facilities are financed largely from the proceeds of revenue bond issues, which are repaid over future years. The principal source of revenue for repayment of these bonds is water sales to its member agencies, which is currently Metropolitan's largest source of revenue. In addition, *ad valorem* property taxes provide an additional limited revenue source, which is used to pay pre-1978 voter-approved indebtedness. However, the use of water rates as a primary source of revenue has placed an increasing burden on member agencies and their ratepayers, which would more equitably continue to be paid in part by assessments on land that in part derives its value from the availability of water through an integrated and reliable water system.

Readiness-To-Serve

In December 1993, Metropolitan's Board approved a revenue structure that included additional charges to establish a commitment to Metropolitan's capital improvement program and provide revenue stability. This revenue structure included the RTS Charge, which in 1995 certain member agencies opted to pay in part pursuant to the collection of a standby charge. In October 2001, the Board adopted the current unbundled rate structure, and maintained the RTS Charge.

As noted above, Metropolitan levies the RTS Charge on its member agencies to recover capital costs, including a portion of the debt service on bonds issued to finance capital facilities needed to meet existing demands on Metropolitan's system for emergency storage and available capacity.

The estimated fiscal year 2025/26 RTS Charge for each member agency is shown in Table 4.

Standby Charge Option

Metropolitan's Standby Charge is authorized by the State Legislature and has been levied by Metropolitan since fiscal year 1992/93. The Standby Charge recognizes that there are economic benefits to lands that have access to a water supply, whether or not such lands are using it, which excludes lands permanently committed to open space and maintained in their natural state that are not now and will not in the future be supplied water and lands that the General Manager, in his discretion, finds do not now and cannot reasonably be expected to derive a benefit from the projects to which the proceeds of the Standby Charge will be applied. Utilization of the Standby Charge transfers some of the burden of maintaining Metropolitan's capital infrastructure from water rates and *ad valorem* taxes to all the benefiting properties within the service area. A fraction of the value of this benefit and of the cost of providing it can be effectively recovered, in part, through the levying of a standby charge. The projects to be supported in part by the Standby Charge are capital projects that provide both local and Metropolitan-wide benefit to current landowners as well as existing water users.

Although a standby charge could have been set to recover all Conveyance, Distribution, and Storage costs as detailed in Table 1, Metropolitan's continued Standby Charge only collects about 14% of those costs. For fiscal year 2025/26, the amount to be recovered by the RTS Charge is estimated to be $184.5 million and of that only $43.9 million is estimated to be recovered by the Standby Charge.

The Standby Charge for each acre or parcel of less than an acre varies from member agency to member agency, as permitted under the legislation establishing Metropolitan's Standby Charge. The water Standby Charge for each member agency is continued at amounts not to exceed the rates in place since fiscal year 1996/97 and is shown in Table 5, which consists of composite rates by member agencies, not to exceed $15.00. Originally, the composite rates consisted in part of a uniform component of $5 applicable throughout Metropolitan, and in part of a variable component, not exceeding $10 in any member public agency, reflecting the allocation of historical water deliveries by the member agencies as of fiscal year 1993/94 when the composite rates were initially established. Metropolitan will continue Standby Charges only within the service areas of the member agencies that have requested that the Standby Charge be utilized for purposes of meeting their outstanding RTS obligation. Although rates may not exceed the amounts in place in fiscal year 1996/97, some rates may be lower.

The Standby Charge is proposed to be collected from: (1) parcels on which water standby charges have been levied in fiscal year 1993/94 and annually thereafter and (2) parcels annexed to Metropolitan and to an electing member agency after January 1997. Table 6 lists parcels annexed, or to be annexed, to Metropolitan and to electing member agencies during fiscal year 2024/25, such parcels being subject to the Standby Charge upon annexation, which is used to estimate the Standby Charge collections for the following fiscal year. Fiscal Year 2025/26 Table 6 also shows parcels known by Metropolitan as annexed, or to be annexed, by the time collections are made for fiscal year 2025/26.

The estimated costs of Metropolitan's wholesale water system, which could be paid by a Standby Charge, are approximately $319.0 million for fiscal year 2025/26, as shown in Table 1. An average total Standby Charge of about $73.28 per acre of land or per parcel of land less than one acre would be necessary to pay for the total potential program benefits. Benefits in this amount will accrue to each acre of property and parcel within Metropolitan's service area, as Metropolitan delivers water to member agencies that contributes to water available to these properties, via that member agency or a retail sub-agency. Because Metropolitan's water deliveries to member agencies contributes to water available only to properties located within Metropolitan's service area boundaries (except for certain contractual deliveries as permitted under Section 131 of the Metropolitan Water District Act), any benefit received by the public at large or by properties outside of the area is merely incidental.

Table 5 shows that the distribution of Standby Charge revenues from the various member agency service areas would provide net revenue flow of approximately $43.9 million for fiscal year 2025/26. Metropolitan will use other revenue sources, such as water sales revenues, RTS Charge revenues (except to the extent collected through standby charges, as described above), interest income, and revenue from sales of hydroelectric power, to pay for the remaining program costs. Additionally, the actual Standby Charge proposed to be continued ranges from $0.10 to $14.20 per acre of land or per parcel of land less than one acre. Thus, the benefits of Metropolitan's investments in water conveyance, storage, and distribution far exceed the recommended Standby Charge.

Equity

The RTS Charge is a firm revenue source. The revenues to be collected through this charge will not vary with sales in the current year. This charge is levied on Metropolitan's member agencies and is not a fee or charge upon real property or upon persons as an incident of property ownership. It ensures that agencies that only occasionally purchase water from Metropolitan but receive the reliability benefits of Metropolitan's system pay an equitable share of the costs to provide that reliability. Within member agencies that elect to pay the RTS Charge through Metropolitan's standby charges, the Standby Charge results in a lower RTS Charge than would otherwise be necessary due to the amount of revenue collected from lands which benefit from the availability of Metropolitan's water system. With the Standby Charge, these properties are now contributing a more appropriate share of the cost of importing water to Southern California.

Metropolitan's water system increases the availability and reliable delivery of water throughout Metropolitan's service area. A reliable system benefits existing end users and land uses through retail water service provided by Metropolitan member agencies or by water retailers that purchase water from a Metropolitan member agency, and through the replenishment of groundwater basins and reservoir storage as reserves against shortages due to droughts, natural emergencies, or scheduled facility shutdowns for maintenance. The benefits of reliable water resources from the SWP, CRA, Storage, and system improvements accrue to more than 250 cities and communities within Metropolitan's six-county service area. Metropolitan's regional water system is interconnected, so water supplies from the SWP and CRA can be used throughout most of the service area and therefore benefit water users and properties system-wide.

A major advantage of a firm revenue source, such as an RTS charge, is that it contributes to revenue stability during times of drought or low water sales. It affords Metropolitan additional security, when borrowing funds, that a portion of the revenue stream will be unaffected by drought or by rainfall. This security will help maintain Metropolitan's historically high credit rating, which results in lower interest expense to Metropolitan, and therefore, lower overall cost to its member agencies.

SUMMARY

The foregoing and the attached tables describe the current costs of Metropolitan's system and benefits provided by the projects listed as mainstays to the water system for Metropolitan's service area. Benefits are provided to member agencies, their retail sub-agencies, water users and property owners. The projects represented by this report provide both local benefits as well as benefits throughout the entire service area. It is recommended, for calendar year 2026, that the Metropolitan Board of Directors adopt the RTS Charge as set forth in Table 4 with an option for local agencies to request that a Standby Charge be collected for fiscal year 2025/26 from lands within Metropolitan's service area as a credit against such member agency's RTS Charge, up to the Standby Charge amounts collected by Metropolitan within the applicable member agency for fiscal year 1996/97. The maximum Standby Charge would not exceed $15 per acre of land or per parcel of less than one acre. The costs of the system described in this Engineer's Report exceeds the recommended Standby Charge by at least $275 million. A preliminary listing of all parcels subject to the proposed 2025/26 Standby Charge and the amounts proposed to be continued for each is available in the office of the Chief Financial Officer. A final listing is available upon receipt of final information from each county.

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TABLE 1

ESTIMATED COSTS OF
WATER SYSTEM INFRASTRUCTURE
BENEFITING REAL PROPERTY WITHIN METROPOLITAN'S SERVICE AREA

		Estimated Program Costs for FY2025/26	Dollars Per Parcel of 1 Acre or Less
Capital Payments for Water System Infrastructure			
Net Capital Payments to State Water Project (SWP) (less portion paid by property taxes)	$	-	$0.00
Non Tax Supported Capital Costs for Non-SWP Conveyance System [1]	$	90,887,289	$20.88
Non Tax Supported Capital Costs for Distribution System [2]	$	101,998,076	$23.43
Non Tax Supported Capital Costs for Water Storage [3]	$	126,115,329	$28.97
Total Capital Payments	**$**	**319,000,695**	**$73.28**
Estimated Standby Charge Revenues	$	43,887,274	$10.08
Percent Collected by Standby Charge		14%	
Total Remaining Costs Not Paid by Standby Charge	**$**	**275,113,421**	**$63.20**

Notes:

[1] Non-SWP Conveyance include the Colorado River Aqueduct and Inland Feeder.

[2] Distribution facilities include the pipelines, laterals, feeders and canals that distribute water throughout the service area.

[3] System storage includes Diamond Valley Lake, Lake Mathews, Lake Skinner and several other smaller surface reservoirs which provide storage for operational purposes.

Totals may not foot due to rounding

TABLE 2

WATER RECYCLING, GROUNDWATER RECOVERY AND CONSERVATION PROJECTS

Project Name	FISCAL YEAR 2025/26 Payment
Water Recycling Projects	**$20,470,801**
Anaheim Water Recycling Demonstration Project	
Burbank Recycled Water System Expansion Phase II Project	
Capistrano Valley Non Domestic Water System Expansion	
CBMWD Recycled Water System Expansion Phase I	
Direct Reuse Project Phase IIA	
Eastern Recycled Water Pipeline Reach 16 Project	
El Toro Phase II Recycled Water Distribution System Expansion Project	
El Toro Recycled Water System Expansion	
Elsinore Valley Recycled Water Program	
Escondido Membrane Filtration Reverse Osmosis Facility	
Escondido Regional Reclaimed Water Project	
French Valley Recycled Water Distribution Project	
Groundwater Reliability Improvement Program Recycled Water Project	
Hansen Area Water Recycling Phase I Project	
Hansen Dam Golf Course Water Recycling Project	
Jurupa Community Services District Regional Recycled Water Project	
La Puente Recycled Water Project	
Lake Mission Viejo Advanced Purification WTF	
Las Flores Recycled Water System Expansion Project	
Leo J. Vander Lans Water Treatment Facility Expansion Project	
Los Angeles Taylor Yard Park Water Recycling Project	
Michelson/Los Alisos Water Reclamation Plant Upgrades and Distribution System Expansion Project	
North Atwater Area Water Recycling Project	
North Hollywood Area Water Recycling Project	
Oceanside Pure Water and Recycled Water Phase I Project	
Oxnard Advanced Water Purification Facility Project	
Rowland Water District Portion of the City of Industry Regional Recycled Water Project	
San Clemente Recycled Water System Expansion Project	
San Diego Pure Water North City Project Phase I	
San Elijo Water Reclamation System	
Sepulveda Basin Sports Complex Water Recycling Project	
Sepulveda Basin Water Recycling Project - Phase 4	
Terminal Island Recycled Water Expansion Project	
USGVMWD Portion of the City of Industry Regional Recycled Water Project	
Van Nuys Area Water Recycling Project	
Walnut Valley Water District Portion of the City of Industry Regional Recycled Water Project	
West Basin Water Recycling Program Phase V Project	
Westside Area Water Recycling Project	
Groundwater Recovery Projects	**$9,164,100**
Beverly Hills Desalter Project	
Cal Poly Pomona Water Treatment Plant	
Chino Basin Desalination Program / IEUA	

TABLE 2 (Continued)

WATER RECYCLING, GROUNDWATER RECOVERY AND CONSERVATION PROJECTS

Project Name	FISCAL YEAR 2025/26 Payment
Groundwater Recovery Projects (continued)	**$9,164,100**
Chino Basin Desalination Program / Western	
Fallbrook Groundwater Desalter Project	
Irvine Desalter Project	
IRWD Wells 21 & 22 Desalter Project	
North Pleasant Valley Regional Desalter	
Perris II Brackish Groundwater Desalter	
Pomona Well #37-Harrison Well Groundwater Treatment Project	
Round Mountain Water Treatment Plant	
Santa Monica Sustainable Water Supply Project	
On-site Retrofit Program	**$3,000,000**
Future Supply Actions	**$3,468,000**
Conservation Projects	**$44,150,000**
Regionwide Residential	
Regionwide Commercial	
Regionwide Residential and Commercial Turf Replacement Program	
Member Agency Administered/MWD Funded	
Water Savings Incentive Program	
Landscape Training Classes	
Landscape Irrigation Surveys	
Innovative Conservation Program/Pilot Programs/Studies	
Inspections	
Member Agency Technical Assistance	
Conservation Advertising	
Municipal Leak Detection and Repair	
Multifamily Property Toilet Replacement Program	
Residential Direct Install partnership with Southern California Gas Company	
Total Demand Management Programs	**$80,252,901**

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Storage Facilites

102677 - JENSEN, REPAIR COVER OVER RESERVOIR 1
102836 DIAMOND VALLEY LAKE, CONSULTANT COSTS
103166 GARVEY RESERVOIR SODIUM HYPOCLORITE FEED SYSTEM REHABILITATION
103172 DVL UNGERGROUND TANK CLOSURE
104800 GARVEY RESERVOIR DRAINAGE AND EROSION IMPROVEMENTS
105024 GARVEY RESERVOIR SODIUM HYPOCHLORITE TANK REPLACEMENT
105091 DIAMOND VALLEY LAKE FLOATING WAVE ATTENUATOR
105100 GARVER RESERVOIR BROKEN DRAIN PIPE AT ABTMNT
105125 LAKE SKINNER BUILDING ROOF REPLACEMENT
105176 LIVE OAK RESERVOIR ASPHALT PAVEMENT REHABILITATION
105202 GARVEY RESERVOIR DRAINAGE & EROSION IMPROVEMENTS - AREAS 6-10, 11
105207 DVL MARINA BOAT LAUNCH DOCKS REFURBISHMENT
ALAMEDA CORRIDOR, PIPELINE RELOCATION, PROTECTION
CAJALCO CREEK AND LAKE MATHEWS ADAS REPLACEMENT PROJECT
CAPITAL PROGRAM FOR PROJECTS COSTING LESS THAN $250,000-LIVE OAK
CAPITAL PROGRAM FOR PROJECTS COSTING LESS THAN $250,000-MORRIS DAM
CHINO BASIN GROUNDWATER SERVICE CONNECTION CB-15T
CHLORINATION AND PH CONTROL FACILITIES- ORANGE COUNTY & GARVEY (50/50)
CHLORINE CONTAINER SCALES & HOISTING EQUIPMENT-SAN JOAQUIN
CLEARING OF LAKE MATHEWS RESERVOIR AREA
CONVERSION OF DEFORMATION SURVEY MONITORING AT COPPER BASIN
COPPER BASIN AND GENE WASH DAM, INSTALL SEEPAGE ALARM (50/50)
COPPER BASIN RESERVOIR SUPERVISORY CONTROL
COPPER BASIN SEWER SYSTEM
CORONA DEL MAR RESERVOIR- REPLENISHMENT
CORONA DEL MAR RESERVOIR-: CHLORINATION STATION
CRANE - LAKE MATHEWS OUTLET TOWER (ORG CONST)
CUF DECHLORINATION SYSTEM FINAL DESIGN AND CONSTRUCTION
DAM MONITORING SYSTEM UPGRADES - Lake Mathews
DAM MONITORING SYSTEM UPGRADES - LAKE SKINNER
DAM MONITORING SYSTEM UPGRADES LAKE MATHEWS
DAM MONITORING SYSTEM UPGRADES LAKE SKINNER
DAM SAFETY AND REHABILITATION PROGRAM, DAM MONITORING AUTOMATION
DAM SEISMIC ASSESSMENT - PHASE 3
DAM SEISMIC UPGRADE - PHASE 3
DAM SEISMIC UPGRADES - PHASE 3
DIAMOND VALLEY LAKE CRANE REHABILITATION - NEW
DIAMOND VALLEY LAKE DAM MONITORING SYSTEM UPGRADE
DIAMOND VALLEY LAKE DAM MONITORING SYSTEM UPGRADE - STAGES 1 & 2
DIAMOND VALLEY LAKE DAM MONITORING SYSTEM UPGRADES - STAGE 3
DIAMOND VALLEY LAKE DAM MONITORING SYSTEM UPGRADES - STAGES 1 & 2
DIAMOND VALLEY LAKE DOMESTIC WATER SYSTEM IMPROVEMENTS
DIAMOND VALLEY LAKE FOREBAY CONCRETE JOINT SEAL REPLACEMENT
DIAMOND VALLEY LAKE FUEL TANK MONITORING AND INVENTORY SYSTEM
DIAMOND VALLEY LAKE INLET/OUTLET TOWER FISH SCREEN REPLACEMENT - CONSTRUCTION
DIAMOND VALLEY LAKE MARINA BOAT LAUNCH DOCKS REFURBISHMENT
DIAMOND VALLEY LAKE MONITORYING SYSTEM UPGRADES
DIAMOND VALLEY LAKE OXYGENATION SYSTEM
DIAMOND VALLEY LAKE, CAL PLAZA CHARGES
DIAMOND VALLEY LAKE, CONSULTANT COSTS
DIAMOND VALLEY LAKE, DAM DEFORMATION MONITORING
DIAMOND VALLEY LAKE, EAST DAM SUMP PUMP ELECTRICAL STUDY
DIAMOND VALLEY LAKE, GENERAL CONSTRUCTION MGMT, 2000-2001
DIAMOND VALLEY LAKE, INUNDATION MAPS
DIAMOND VALLEY LAKE, UNDERGROUND TANK CLOSURE
DIAMOND VALLEY RECREATION, EAST MARINA
DIAMOND VALLEY RECREATION, FISHERY
DIAMOND VALLEY RECREATION, MUSEUM FOUNDATION REHABILITATION
DIAMOND VALLEY RECREATION, SEARL PARKWAY IMPROVEMENTS, PHASE I
DIAMOND VALLEY TRAILS PROGRAM, TRAILS
DIEMER CHLORINE EJECTOR WATER SUPPLY LINE IMPROVEMENTS
DIEMER FWR SLOPE PROTECTION IMPROVEMENTS
DIEMER PLANT, RESERVE STRUCTURE MODIFICATION
DISTRICT DESIGN AND INSPECTION - MORRIS DAM
DISTRICT RESERV. AQUEOUS AMMONIA FEED SYSTEM
DISTRICT RESERVOIR - LONGTERM CHEMICAL FAC CONTAINMENT
DOMESTIC WATER SUPPLY - LAKE MATHEWS (ORG CONST)
DOMESTIC WATER SYSTEM - LAKE MATHEWS (ORG CONST)
DOMESTIC WATER SYSTEM-PALOS VERDES RESERVOIR (INTERIM CONST)
DVL - SEARL PARKWAY EXTENSION - PHASE 2
DVL - SEARL PARKWAY LANDSCAPING
DVL AND SKINNER AREA FLOW METER REPLACEMENT
DVL CONTROL & PROTECTION UPGRADE
DVL EAST DAM ELECTRICAL UPGRADES
DVL EAST DAM POWER LINE REALIGNMENT
DVL EAST MARINA WATER TANK REPLACEMENT
DVL INLET/OUTLET FISH SCREEN REHABILITATION
DVL INLET/OUTLET TOWER FISH SCREEN REPLACEMENT - CONSTRUCTION
DVL RECREATION - ALTERNATE ACCESS ROAD
DVL RECREATION ENTITLEMENT/MASTER PLANNING
DVL RECREATION LAKEVIEW TRAIL
DVL RECREATION, COMMUNITY PARK AND REGIONAL AQUATIC FACILITY
DVL RECREATION, PROGRAM MANAGEMENT
DVL RECREATION, SURPLUS LAND DISPOSITION PLANNING
DVL SECURITY ENHANCEMENT
DVL, CONSTRUCTION
DVL, CONSTRUCTION CLAIMS SUPPORT
DVL, CONSTRUCTION MANAGEMENT SERVICE
DVL, CONSTRUCTION SUPERVISION
DVL, CONSTRUCTION, WEST DAM FOUNDATION
DVL, DEDICATION CEREMONY
DVL, DISTURBED
DVL, DOMENIGONI PARK

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Storage Facilites

DVL, EAST DAM
DVL, EAST DAM EMBANKMENT
DVL, EAST DAM FENCING
DVL, EAST DAM INLET OUTLET TOWER CONSTRUCTION
DVL, EAST DAM LANDSCAPE SCREENING
DVL, EAST DAM NORTH RIM REMEDIATION
DVL, EAST DAM P-1 FACILITIES
DVL, EAST DAM SITE COMPLETION
DVL, EAST DAM STATE STREET IMPROVEMENTS
DVL, EAST DAM VERTICAL SLEEVE VALVE
DVL, EAST MARINA, PHASE 2
DVL, EXCAVATION
DVL, FIXED CONE, SPHERE
DVL, GENERAL
DVL, GRADING OF CONT
DVL, INSTALL NEW WATERLINE
DVL, MISC SMALL CONS
DVL, NORTH HIGH WATER ROAD
DVL, P-1 PUMPING FACILITY
DVL, PROCUREMENT
DVL, SCOTT ROAD EXTENSION
DVL, SOUTH HIGH WATER ROAD & QUARRY
DVL, SPILLWAY
DVL, START UP
DVL, VALLEY-WIDE SITE ROUGH GRADING
DVL, WORK PACKAGE
DVL, WORK PACKAGE 1
DVL, WORK PACKAGE 10, INLET OUTLET WORK
DVL, WORK PACKAGE 11, FOREBAY
DVL, WORK PACKAGE 12, TUNNEL
DVL, WORK PACKAGE 13, P-1 PUMP OPERATIONS FACILITY
DVL, WORK PACKAGE 14, PC-1
DVL, WORK PACKAGE 15, SITE CLEARING
DVL, WORK PACKAGE 16, GROUNDWATER MONITORING
DVL, WORK PACKAGE 17, FIELD OFFICE
DVL, WORK PACKAGE 18, TEMPORARY VISITOR CENTER
DVL, WORK PACKAGE 19, PERMANENT VISITOR CENTER
DVL, WORK PACKAGE 2, EASTSIDE PIPELINE
DVL, WORK PACKAGE 20, EAST DAM EXCAVATION, FOUNDATION
DVL, WORK PACKAGE 21, WEST DAM EXCAVATION, FOUNDATION
DVL, WORK PACKAGE 23, WEST RECREATION AREA
DVL, WORK PACKAGE 24, EAST RECREATION AREA
DVL, WORK PACKAGE 25, EXCAVATION
DVL, WORK PACKAGE 26, ELECTRICAL TRANSMISSION LINES
DVL, WORK PACKAGE 27, MAJOR EQUIPMENT P-1
DVL, WORK PACKAGE 28, MAJOR EQUIPMENT, GATES
DVL, WORK PACKAGE 29, MAJOR EQUIPMENT, PC-1
DVL, WORK PACKAGE 30, INSTRUMENTATION AND CONTROL SYSTEMS
DVL, WORK PACKAGE 31, GEOGRAPHICAL INFO
DVL, WORK PACKAGE 32, PERMIT
DVL, WORK PACKAGE 33, MAJOR EQUIPMENT, VALVES
DVL, WORK PACKAGE 34, EMERGENCY RELEASE
DVL, WORK PACKAGE 35
DVL, WORK PACKAGE 36, TRANSMISSION LINE TO PC-1
DVL, WORK PACKAGE 38, RUNOFF EROSION
DVL, WORK PACKAGE 39, SADDLE DAM FOUNDATION
DVL, WORK PACKAGE 4, NEWPORT ROAD RELOCATION
DVL, WORK PACKAGE 40
DVL, WORK PACKAGE 42, GEOTECHNICAL
DVL, WORK PACKAGE 43, MOBILIZATION
DVL, WORK PACKAGE 44, SITE DEVELOPMENT
DVL, WORK PACKAGE 47, HAZARDOUS MATERIAL
DVL, WORK PACKAGE 48, GENERAL ADMIN
DVL, WORK PACKAGE 49
DVL, WORK PACKAGE 5, SALT CREEK FLOOD CONTROL
DVL, WORK PACKAGE 52, HISTORY ARCHEOLOGY INVENTORY
DVL, WORK PACKAGE 53, PREHISTORIC ARCHEOLOGY
DVL, WORK PACKAGE 54, PLANTS, WILDLIFE
DVL, WORK PACKAGE 55, AIR QUALITY, NOISE
DVL, WORK PACKAGE 6, SURFACE WATER MITIGATION
DVL, WORK PACKAGE 7, DESIGN WEST DAM ACCESS
DVL, WORK PACKAGE 8, DESIGN EAST DAM ACCESS
DVL, WORK PACKAGE 9, SADDLE DAM
DVL, WORKING INVENTORY, 80,000 ACRE FEET (10% OF CAPACITY)
EAST DAM TUNNELS
EAST MARINA BOAT RAMP EXTENSION
EAST MARINA BOAT RAMP EXTENSION II
ELECTRICAL SERVICE - LAKE MATHEWS (ORG CONST)
ELECTRICAL SYSTEM - LAKE MATHEWS (ORG CONST)
ETIWANDA RESERVOIR REHABILITATION
FIRST SAN DIEGO AQUEDUCT - REPLACE PIPELINE SECTION BOTH BARRELS
FLOATING BOAT HOUSE - LAKE MATHEW
FLOOD RELEASE VALVE, MORRIS DAM & WATER SUPPLY SYSTEM,PV RESER.
FOOTBRIDGE - LAKE MATHEWS (ORG CONST)
FOOTHILL FEEDER- LIVE OAK RESERVOIR- CLAIMS
FOOTHILL FEEDER- LIVE OAK RESERVOIR- RESIDENCE
GARVER RESERVOIR BROKEN DRAIN PIPE AT ABTMNT
GARVEY RESERVIOR OPERATION & MAINTENANCE CENTER
GARVEY RESERVIOR OPERATION & MAINTENANCE CENTER (RETIREMENT)
GARVEY RESERVOIR - JUNCTION STRUCTURE,REPLACE VALVE # 1
GARVEY RESERVOIR AUTOMATED DATA ACQUISITION SYSTEM (ADAS) REPLACEMENT
GARVEY RESERVOIR COVER AND LINER REPLACEMENT
GARVEY RESERVOIR COVER AND LINER REPLACEMENT PROJECT

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Storage Facilites

GARVEY RESERVOIR DRAINAGE & EROSION CONTROL IMPROVEMENTS
GARVEY RESERVOIR DRAINAGE & EROSION IMPROVEMENTS - AREAS 6, 7, 8, 10 & 11 CONSTRUCTION
GARVEY RESERVOIR DRAINAGE & EROSION IMPROVEMENTS - AREAS 6-10 & 11 CONSTRUCTION
GARVEY RESERVOIR DRAINAGE AND EROSION IMPROVEMENTS
GARVEY RESERVOIR- EMERGENCY GENERATOR
GARVEY RESERVOIR FENCING AND PEST BARRIER
GARVEY RESERVOIR- FLOATING COVER
GARVEY RESERVOIR HYPOCHLORITE FEED SYSTEM
GARVEY RESERVOIR- JUNCTION STRUCTURE, REPLACE VALVE #1
GARVEY RESERVOIR- JUNCTION STRUCTURE, REPLACE VALVE #1 - INTEREST
GARVEY RESERVOIR- JUNCTION STRUCTURE, REPLACE VALVES # 4 & 5
GARVEY RESERVOIR- MODIFY DESILTING BASINS
GARVEY RESERVOIR REPAIR
GARVEY RESERVOIR SITE EROSION CONTROL
GARVEY RESERVOIR SODIUM HYPOCHLORITE TANK REPLACEMENT
GARVEY RESERVOIR, LOWER ACCESS ROAD, PAVING & DRAINS
GARVEY RESERVOIR, REPLACE VALVE # 4 & 5
GARVEY RESERVOIR, TWO VALVES AT JUNCTION STRUCTURE
GARVEY RESERVOIR: CONT. 565, SPEC.412
GARVEY RESERVOIR: TWO COTTAGES WITH GARAGES
GARVEY RESERVOIR-HYPOCHLORINATION
GARVEY RESERVOIR-HYPOCHLORINE STATION
GARVEY RESERVOIR-INLET AND OUTLET CONDUIT SYSTEM MODIFICATION
GARVEY RESEVOIR-JUNCTION STRUCTURE REPLACE TWO VALVES
GARVEY RSVR REPLACE VENTURI THROAT SECTION
GARVEY RSVR-=REPLACE CENETRUI THROAT SECTION
GENE WASH RESERVOIR DISCHARGE VALVE REHABILITATION
HAYFIELD GROUNDWATER STORAGE AND EXTRACTION
HEADWORKS OF DISTRIBUTION SYSTEM LAKE MATHEWS
HEADWORKS: ADDITIONAL VALVES
HEADWORKS: MOTOR OPERATED SLIDE GATES
HOUSE AND GARAGE AT CORONA DEL MAR RESERVOIR
HOUSE AND GARAGE AT ORANGE COUNTY RESERVOIR
HOUSE AT PALOS VERDES RESERVOIR
HOWELL-BUNGER VALVE OPERATOR, LAKE MATHEWS, 5 VALVES 1939
HOWELL-BUNGER VALVE OPERATOR, LAKE MATHEWS, 5 VALVES 1955
INSTRUMENTATION AT RESERVOIRS
IOC - DIAMOND VALLEY LAKE
IOC - DIEMER PLANT, RESERVE STRUCTURE MODIFICATION
IOC - GARVEY RESERVOIR REPAIR
IOC - GARVEY RESERVOIR, HYPOCHLORINATION SYSTEM
IOC - GARVEY RESERVOIR, JUNCTION STRUCTURE, REPLACE VALVE 1
IOC - JENSEN RESVR 1 REPAIR AND TEMP SERVICE TO LA-25
IOC - LAKE MATHEWS OUTLET FACILITIES
IOC - LAKE MATHEWS RESERVOIR, RELOCATE SOUTHERLY SECURITY FENCE
IOC - LAKE MATHEWS WATERSHED
IOC - LAKE MATHEWS, LUMBER STORAGE BUILDING
IOC - LAKE MATHEWS, PREFABRICATED AIRCRAFT HANGAR
IOC - LAKE MATHEWS, PROPANE STORAGE TANK
IOC - LAKE MATHEWS, SEEPAGE ALARMS
IOC - LAKE PERRIS POLLUTION PREVENTION/DISSOLVED OXYGEN
IOC - LAKE SKINNER BYPASS PIPELINE #2 AND #3
IOC - LAKE SKINNER CHLORINATION SYSTEM OUTLET TOWER BYPASS PPLN
IOC - LAKE SKINNER, EQUIPMENT YARD SECURITY
IOC - LAKE SKINNER, PROPANE STORAGE TANK
IOC - MORRIS RESERVOIR
IOC - ORANGE COUNTY RSVR, REPLACE CHLORINATION SYSTEM
IOC - PALOS VERDES RSVR, REPLACE CHLORINATION SYSTEM
IOC - PAMO RESERVOIR, WATER STORAGE FEASIBIILITY STUDY
IOC - SAN JOAQUIN RESERVOIR, DRAINAGE CHANNEL IMPROVEMENTS
IOC - SOTO ST MAINTENANCE CENTER, PROPANE STORAGE TANK
IRVINE PCS/SAN JOAQUIN RESERVOIR-BY PASS/CONTROL SYS REBUILD (50/50)
IRVINE REGULATING STRUCTURE SUMP DRAIN LINE
JENSEN FINISHED WATER RESERVOIR NO.1 COVER REHABILITATION
JENSEN FINISHED WATER RESERVOIR NO. 1 COVER REHABILITATION
JENSEN FINISHED WATER RESERVOIR NO. 2 FLOATING COVER IMPROVEMENT
JENSEN FINISHED WATER RESERVOIRS REHABILITATION AND MIXING IMPROVEMENTS
JENSEN FLUORIDE TANK REPLACEMENT
JENSEN FWR # 2 FLOATING COVER REPLACEMENT
JENSEN FWR NO. 2 FLOATING COVER REPLACEMENT
JENSEN PLANT, PERMANENT GROUNDWATER DEWATERRING OF RESERVOIR
JENSEN PLANT, RESERVOIR 1 RETROFIT
JENSEN PLANT, RESERVOIR 2 FLOATING COVER
JENSEN RESERVOIR 1 AND 2 MIXING IMPROVEMENTS
JENSEN RESERVOIR BYPASS GATE REFURBISHMENT
JENSEN, REPAIR COVER OVER RESERVOIR 1
LAKE MATHEWS - REPLACE STANDBY GENERATOR
LAKE MATHEWS - ELECTRICAL SYSTEM IMPROVEMENT
LAKE MATHEWS ABOVEGROUND STORAGE TANK REPLACEMENT
LAKE MATHEWS AND LAKE SKINNER COPPER SULFATE STORAGE
LAKE MATHEWS AREA PAVING
LAKE MATHEWS BUILDING
LAKE MATHEWS BUILDINGS 8 & 15, RENOVATION OF ASSEMBLY AREA AND ADMIN. BLDG.
LAKE MATHEWS- CARPENTER AND VEHICLE MAINTENANCE BUILDING
LAKE MATHEWS- CHLORINATION FACILITIES
LAKE MATHEWS CHLORINATION FACILITY- REPLACE CHLORINATION EQPMT.
LAKE MATHEWS CNTRL TOWER-REPL. 45 30-INCH GATE/BUTTERFLY VALVES
LAKE MATHEWS CONTROL TOWER - REPLACE 45 10-INCH GATE VALVE
LAKE MATHEWS DAM SAFETY INSTRUMENTATION UPGRADES
LAKE MATHEWS DAM SPILLWAY ASSESSMENT
LAKE MATHEWS DIKE
LAKE MATHEWS DISASTER RECOVERY FACILITY UPGRADE
LAKE MATHEWS DISCHARGE FACILITY UPGRADES

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Storage Facilites

LAKE MATHEWS DIVERSION TUNNEL
LAKE MATHEWS DIVERSION TUNNEL WALKWAY REPAIR
LAKE MATHEWS- DOCK AND BOAT SHELTER
LAKE MATHEWS DOMESTIC FACILITIES
LAKE MATHEWS- DOMESTIC WATER SYSTEM
LAKE MATHEWS ELECTRICAL RELIABILITY
LAKE MATHEWS- ELECTRICAL SYSTEM IMPROVEMENT
LAKE MATHEWS ELECTRICAL UPGRADES
LAKE MATHEWS- EMERGENCY GENERATOR
LAKE MATHEWS EMERGENCY GENERATOR UPGRADE
LAKE MATHEWS ENLARGEMENT (SPEC NO. 505)
LAKE MATHEWS FOREBAY - DISCHARGE FACILITY UPGRADES
LAKE MATHEWS FOREBAY LINING AND TOWER REPAIRS
LAKE MATHEWS FOREBAY OUTLET STRCTR-REPL.CONCRETE BLOCK BLDG
LAKE MATHEWS FOREBAY OUTLET, CONCRETE BLDG
LAKE MATHEWS FOREBAY PRESSURE CONTROL STRUCTURE AND BYPASS
LAKE MATHEWS FOREBAY- REPLACE FOOTBRIDGE
LAKE MATHEWS FOREBAY WALKWAY REPAIRS
LAKE MATHEWS FOREBAY, HEADWORK FACILITY AND EQUIPMENT UPGRADE
LAKE MATHEWS HEADWORKS FOREBAY LINER & OUTLET TOWER REPAIR
LAKE MATHEWS HEADWORKS-INSTALL AIR MTRS,3 HOWELL BNGR VALVE OP.
LAKE MATHEWS- HOUSE AND GARAGE
LAKE MATHEWS HYDRAULIC POWER UNIT REHABILITATION
LAKE MATHEWS HYDROELECTRIC PLANT REPAIRS
LAKE MATHEWS I/O TOWER EMERGENCY GENERATOR
LAKE MATHEWS- IMPROVE MAIN SUBSTATION
LAKE MATHEWS- IMPROVEMENT OF DOMESTIC WATER & FIRE PROT. SYSTEM
LAKE MATHEWS LIGHTING AND SECURITY IMPROVEMENT
LAKE MATHEWS -LUMBER STORAGE BUILDING
LAKE MATHEWS -LUMBER STORAGE BUILDING - INTEREST
LAKE MATHEWS LUMBER STORAGE ROOF COVER
LAKE MATHEWS MAIN DAM AND SPILLWAY
LAKE MATHEWS MAIN DAM SUB DRAIN SYSTEM
LAKE MATHEWS MAINTENANCE BUILDING
LAKE MATHEWS MAINTN.FACILITIES-REPLACE 75 KVA TRANSFORMER.SERV.
LAKE MATHEWS- MODIFY CHLORINATION
LAKE MATHEWS- MODIFY CHLORINE STORAGE TANK FOUNDATIONS
LAKE MATHEWS- MODIFY ELECTRICAL SERVICE
LAKE MATHEWS MULTIPLE SPECIES RESERVE, MANAGER"S OFFICE AND RESIDENCE
LAKE MATHEWS OFFICE BLDG MODIFICATIONS-AMERICANS W/ DISABILITY
LAKE MATHEWS OFFICE TRAILER MODIFICATIONS-AMERICANS W/ DISABILITY
LAKE MATHEWS -OPERATOR RESIDENCE
LAKE MATHEWS OULET TOWER
LAKE MATHEWS OUTLET FACILITIES
LAKE MATHEWS OUTLET TOWER CHLORINATION SYSTEM
LAKE MATHEWS OUTLET TOWER NO. 2 VALVE REHAB
LAKE MATHEWS OUTLET TOWER NO. 2 VALVE REHABILITATION
LAKE MATHEWS OUTLET TOWER- REPLACE CRANES
LAKE MATHEWS OUTLET TOWER-REPLACE GATE VALVES
LAKE MATHEWS OUTLET TOWER-REPLACE GATE VALVES (RETIREMENT)
LAKE MATHEWS OUTLET TUNNEL
LAKE MATHEWS PERIMETER FENCING UPGRADE - NEW
LAKE MATHEWS- PREFABRICATED AIRCRAFT HANGER
LAKE MATHEWS- PREFABRICATED AIRCRAFT HANGER - INTEREST
LAKE MATHEWS- PROPANE STORAGE TANK
LAKE MATHEWS- PROPANE STORAGE TANK - INTEREST
LAKE MATHEWS- REPLACE HOWELL-BUNGER VALVE OPERATORS
LAKE MATHEWS- REPLACE VALVES
LAKE MATHEWS RESERVOIR - RELOCATE SOUTHERLY SECURITY FENCE
LAKE MATHEWS RESERVOIR DREDGING AND EMERGENCY DEWATERING FACILITIES
LAKE MATHEWS RESERVOIR-RELOCATE SOUTHERLY SECURITY FENCE
LAKE MATHEWS RESERVOIR-RELOCATE SOUTHERLY SECURITY FENCE - INTEREST
LAKE MATHEWS- SEEPAGE ALARMS
LAKE MATHEWS- SEEPAGE ALARMS - INTEREST
LAKE MATHEWS SODIUM HYPOCHLORITE TANK REPLACEMENT
LAKE MATHEWS SODIUM HYPOCLORITE INJECTION SYSTEM
LAKE MATHEWS- SPRAY PAINT BOOTH
LAKE MATHEWS VEHICLE MAINTENANCE EXHAUST SYSTEM INSTALLATION
LAKE MATHEWS WASTEWATER SYSTEM REPLACEMENT
LAKE MATHEWS WATERSHED, DRAINAGE
LAKE MATHEWS WATERSHED, DRAINAGE WATER QUALITY MGMT PLAN (CAJALCO CREEK DAM)
LAKE MATHEWS WATERSHED, WATER QUALITY IMPROVEMENTS STUDY
LAKE MATHEWS, HAZEL ROAD
LAKE MATHEWS, REPLACE CHLORINATION EQUIPMENT
LAKE MATHEWS,DIKE #1- INSTALL PIEZOMETERS, STAS.55+00 & 85+50
LAKE MATHEWS: VALVES AND FITTINGS IN HEADWORKS
LAKE MATHEWS-CONST. CONCR.TRAFFIC BARR. WALL TO PROTECT HQ FACIL.
LAKE MATTHEWS FIRE WATER LINE
LAKE MATTHEWS INTERIM CHLORINATION SYSTEM
LAKE PERRIS POLLUTION PREVENTION AND SOURCE WATER PROTECTION (CAPITAL PORTION)
LAKE SKINNER - AERATION SYSTEM
LAKE SKINNER - CHLORINATION SYSTEM OUTLET TOWER BYPASS PPLN
LAKE SKINNER - CHLORINATION SYSTEM OUTLET TOWER BYPASS PPLN - INTEREST
LAKE SKINNER - INSTALL OUTLET CONDUIT FLOWMETER
LAKE SKINNER (AULD VALLEY RESERVOIR)- CLAIMS
LAKE SKINNER AERATOR AIR COMPRESSORS REPLACEMENT
LAKE SKINNER BYPASS 2, CATHODIC PROTECTION SYSTEM
LAKE SKINNER- EQUIPMENT YARD SECURITY
LAKE SKINNER- EQUIPMENT YARD SECURITY - INTEREST
LAKE SKINNER FACILITIES
LAKE SKINNER FACILITIES - EMPLOYEE HOUSING
LAKE SKINNER FACILITIES - FENCING
LAKE SKINNER FACILITIES - LANDSCAPING

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Storage Facilites

LAKE SKINNER FACILITIES - RELOCATE BENTON ROAD
LAKE SKINNER OUTLET CONDUIT REPAIR
LAKE SKINNER OUTLET TOWER CHLORINE SYSTEM MODIFICATIONS
LAKE SKINNER OUTLET TOWER SEISMIC ASSESSMENT
LAKE SKINNER OUTLET TOWER SEISMIC UPGRADE
LAKE SKINNER PIPELINE CATHODIC PROTECTION
LAKE SKINNER- PROPANE STORAGE TANK
LAKE SKINNER- PROPANE STORAGE TANK - INTEREST
LIVE OAK RESERVOIR & RESERVOIR BYPASS SCHEDULE 264A
LIVE OAK RESERVOIR ASPHALT PAVEMENT REHABILITATION
LIVE OAK RESERVOIR EMERGENCY DEWATERING IMPROVEMENTS
LIVE OAK RESERVOIR PAVEMENT REHABILITATION
LIVE OAK RESERVOIR REHABILITATION
LIVE OAK RESERVOIR SURFACE REPAIR
MAINTENANCE FACILITIES, 75KVA TRANSFORMER SERVICE-LAKE MATHEWS (ORG CONST)
MILLS FINISHED WATER RESERVOIR REHABILITATION
MILLS FINISHED WATER RESERVOIRS REHABILITATION AND MIXING IMPROVEMENTS
MILLS OZONE CONTACTOR 1 & 2 EXPANSION JOINT SEAL
MILLS RESERVOIR AND CFE SAMPLE LINE/INSTRUMENT IMPROVEMENT
MINOR CAPITAL PROJECTS FOR FY 1989/90 - LAKE MATHEWS
MINOR CAPITAL PROJECTS FOR FY 1989/90 - PALOS VERDES RESERVOIR
MINOR CAPITAL PROJECTS FY 2010-2011
MINOR CAPITAL PROJECTS-IRVINE PCS/ S. JOAQUIN RES. REBUILD CONTROL SYS
MINOR CAPITAL PROJECTS-LAKE SKINNER, INLET CANAL ELECTRIC FISH BARRIER
MINOR CAPITAL PROJECTS-LIVE OAK RESERVOIR, DESILT BASIN IMPROVEMENTS
MODIFICATION OF THE LAKE MATHEWS SERVICE WATER SYSTEM
MORRIS DAM COTTAGE
MORRIS DAM- ENLARGMT. OF SPILLWAY FACLT.& UPPER FDR.VALVE MODF
MORRIS DAM ROAD IMPROVEMENT
MORRIS DAM, SEISMIC STABILITY REANALYSIS
MORRIS DAM-REPLACE EMERGENGY POWER SYSTEM
MORRIS RESERVOIR- CAPITAL OBLIGATION PAID
MORRIS RESERVOIR- INTEREST OBLIGATION PAID
MWD CYBER SECURITY UPGRADE
O.C.RESERVOIR - IMPROVE DOMESTIC SYSTEM
ORANGE COUNTY RESERVOIR -- JUNCTION STRUCTURE,REPLACE VALVE # 1
ORANGE COUNTY RESERVOIR (SPEC NO. 341)
ORANGE COUNTY RESERVOIR CHLORINATION STATION
ORANGE COUNTY RESERVOIR- EMBANKMENT AND SPILLWAY
ORANGE COUNTY RESERVOIR- EMERGENCY GENERATOR
ORANGE COUNTY RESERVOIR- FLOATING COVER
ORANGE COUNTY RESERVOIR- HOUSE
ORANGE COUNTY RESERVOIR- MODIFY DOMESTIC WATER SYSTEM
ORANGE COUNTY RESERVOIR- REPLACE RESIDENCE NO. 95D
ORANGE COUNTY RESERVOIR-MODIFY ELEC. CONTROL CENTER
ORANGE COUNTY RESERVOIR-REPLACE CHLORINATION EQUIPMENT
ORANGE COUNTY RESERVOIR-REPLACE CHLORINATION SYSTEM
P V RESERVOIR-REPLACE CHLORINATION SYSTEM
P100735 DVL, WORK PACKAGE 40
P103081 DVL RECREATION ENTITLEMENT/MASTER PLANNING
P103083 DIAMOND VALLEY RECREATION, SEARL PARKWAY IMPROVEMENTS, PHASE I
P103088 DVL RECREATION, PROGRAM MANAGEMENT
P103810 WADSWORTH PUMP PLANT CONDUIT PROTECTION
P103998 LAKE MATTHEWS INTERIM CHLORINATION SYSTEM
P104076 LAKE MATHEWS WATERSHED, WATER QUALITY IMPROVEMENTS STUDY
P104101 LAKE SKINNER OUTLET CONDUIT REPAIR
P104131 SKINNER, RETURN WASH WATER BYPASS
P104326 LAKE MATTHEWS FIRE WATER LINE
P104735 GARVEY RESERVOIR FENCING AND PEST BARRIER
P104893 LAKE MATHEWS WASTEWATER SYSTEM REPLACEMENT
P104894 CB-20 AND PM-26 FLOWMETER REPLACEMENT
P105010 LAKE MATHEWS SODIUM HYPOCHLORITE TANK REPLACEMENT
P105024 GARVEY RESERVOIR SODIUM HYPOCHLORITE TANK REPLACEMENT
P105080 IRVINE REGULATING STRUCTURE SUMP DRAIN LINE
P105100 GARVER RESERVOIR BROKEN DRAIN PIPE AT ABTMNT
P105138 LAKE MATHEWS LIGHTING AND SECURITY IMPROVEMENT
P105176 LIVE OAK RESERVOIR ASPHALT PAVEMENT REHABILITATION
P105202 GARVEY RESERVOIR DRAINAGE & EROSION IMPROVEMENTS - AREAS 6-10, 11 CONSTR
P105207 DIAMOND VALLEY LAKE MARINA BOAT LAUNCH DOCKS REFURBISHMENT
PALOS VERDES CHLORINATION STATION AND COTTAGE
PALOS VERDES RESERVOIR
PALOS VERDES RESERVOIR - INLET/OUTLET TOWER
PALOS VERDES RESERVOIR- BY PASS PIPELINES
PALOS VERDES RESERVOIR COVER AND LINER REPLACEMENT
PALOS VERDES RESERVOIR COVER REPLACEMENT
PALOS VERDES RESERVOIR- FENCING AROUND
PALOS VERDES RESERVOIR GROUNDWATER MANAGEMENT
PALOS VERDES RESERVOIR HYPOCHLORITE FEED SYSTEM UPGRADE
PALOS VERDES RESERVOIR- REPLACE DOMESTIC WATER SYSTEM PIPING
PALOS VERDES RESERVOIR SODIUM HYPOCHLORITE AND SECURITY UPGRADES
PALOS VERDES RESERVOIR SODIUM HYPOCHLORITE FEED SYSTEM UPGRADE
PALOS VERDES RESERVOIR, SPILLWAY ENERGY DISSIPATOR STRUCTURE MODIFICATIONS
PALOS VERDES RESERVOIR,BYPASS PIPELINE RELIEF STRUCTURE MODIFN.
PALOS VERDES RESERVOIR,COVERING
PALOS VERDES RESERVOIR,REPLACE ACCESS AND PERIMETER ROADS
PALOS VERDES RESERVOIR: INCREASING ELEVATION OF SPILLWAY CREST
PALOS VERDES RESERVOIR-INSTALL VALVE & CHLORINATION NOZZLE,INL.TWR
PALOS VERDES RESERVOIR-REPLACE CHLORINATION SYSTEM
PAMO RESERVOIR- WATER STORAGE FEASIBIILITY STUDY
PAMO RESERVOIR- WATER STORAGE FEASIBIILITY STUDY- INTEREST
PV RESERVOIR GROUNDWATER MANAGEMENT
PVR FACILITY SEWER CONNECTION
RECORD DRAWING RESTORATION PROGRAM, CRA

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description	
Storage Facilites	
REPAIRS TO AZUSA CONDUIT	
REPLACE 32	
REPLACEMENT OF A 30 INCH GATE VALVE P.V.R.	
RESIDENCE # 95-D, ORANGE COUNTY RESERVOIR	
RESIDENCE 45-D - CORONA DEL MAR RESERVOIR	
RESIDENCE 80-D - ORANGE COUNTY RESERVOIR	
RESIDENCE 90-D - LAKE MATHEW	
RESIDENCE 91-D - SAN JACINTO RESERVOIR	
RESIDENCE 93-D - SAN JACINTO RESERVOIR	
ROADS AT LAKE MATHEWS ABOVE FLOODLINE	
SAN DIEGO ACQUEDUCT: COTTAGE AT SAN JACINTO RESERVOIR	
SAN JACINTO RESERVOIR - SAN DIEGO AQUEDUCT	
SAN JOAQUIN RESERVOIR- CHLORINE EVAPORATOR	
SAN JOAQUIN RESERVOIR- CONSTRUCTION OF HOUSE AND SERVICE BUILDING	
SAN JOAQUIN RESERVOIR- DRAINAGE CHANNEL IMPROVEMENT	
SAN JOAQUIN RESERVOIR FLOATING COVER	
SAN JOAQUIN RESERVOIR IMPROVEMENT PROJECT-NEW DESIGN	
SAN JOAQUIN RESERVOIR IMPROVEMENT STUDY	
SAN JOAQUIN RESERVOIR IMPROVEMENT STUDY-EIR	
SAN JOAQUIN RSVR, SLOPE REPAIR	
SECOND OUTLET, PALOS VERDES RESERVOIR (SPEC NO. 597)	
SEEPAGE CONTROL AT LAKE MATHEWS	
SKINNER DAM SAFETY INSTRUMENTATION UPGRADES	
SKINNER DAM SPILLWAY ASSESSMENT	
SKINNER FILT PLT, CHLORINE MASS FLOW METERS	
SKINNER FINISHED WATER RESERVOIR SLIDE GATE REHABILITATION	
SKINNER FINISHED WATER RESERVOIR SLIDE GATES REHABILITATION	
SKINNER LADDER SAFETY ACCESS GATES	
SKINNER WATER TREATMENT PLANT REHABILITATION	
SKINNER, RETURN WASH WATER BYPASS	
SKINNNER FILT PLT- ELECTRIC FISH BARRIER	
SPILLWAY UPGRADES LAKE MATHEWS	
SPILLWAY UPGRADES LAKE SKINNER	
TEMPORARY EMPLOYEE LABOR SETTLEMENT	
VALVE - GENE RESERVOIR (REPLACED 201)	
VALVE STRUCTURE MODIFICATIONS-UPPER FDR, SAN GABRIEL CROSSING (INTERIM CONST)	
VALVE, TWO 36	
WADSWORTH PUMP PLANT CONDUIT PROTECTION	
WADSWORTH PUMP PLANT, PUMP MOTOR CONVERSION	
WADSWORTH PUMPING PLANT FIRE PROTECTION SYSTEM UPGRADE - NEW	
WADSWORTH PUMPING PLANT FIRE PROTECTION SYSTEM UPGRADES	
WADSWORTH/DVL CONTROL & PROTECTION SYSTEM UPGRADE - CONSTRUCTION & STARTUP	
WATER QUALITY PROJECT UPSTREAM	
WATER SUPPLY SYSTEM, OPERATING TOWER, LAKE MATHEWS	
WEYMOUTH FINISHED WATER RESERVOIR GATE REPLACEMENT	
WEYMOUTH FINISHED WATER RESERVOIR REHABILITATION	
WEYMOUTH PLANT RESERVOIR, REMOVE SOIL BLANKET	
Sub-total Storage facilities costs	***126,115,329***

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Conveyance and Aqueduct Facilites

103237 COLORADO RIVER ACQUEDUCT-SIPHONS AND RESERVOIR OUTLETS REFURBISHMENT
103738 CRA COPPER BASIN OUTLET GATES RELIABILITY
104093 CRA SAND TRAP EQUIPMENT UPGRADES
104222 CRA SEISMIC RETROFIT OF 6.9KV SWITCH HOUSES
104525 GENE WASH RESERVOIR DISCHARGE VALVE REHABILITATION
104542 CRA PUMPING PLANT WASTEWATER SYSTEM REPLACEMENT - HINDS & EAGLE MOUNTAIN
104645 CRA 6 9KV POWER CABLES REPLACEMENT
104769 CRA DISCHARGE LINE ISOLATION BULKHEAD AND COUPLING
104922 GENE POOL REFURBISHMENT
105000 SWITCH HOUSE DOORS AT EAGLE MOUNTAIN & IRON MOUNTAIN
105008 PHYSICAL SECURITY CONTROLS FOR THE IRON MOUNTAIN
105208 CRA PUMPING PLANTS SCADA NETWORK MAIN SWITCH REPLACEMENT
105209 CRA PUMPING PLANT STATION BATTERY REPLACEMENT
105274 CRA LAKEVIEW SIPHON LEAK REPAIR
105354 CRA MM 33 CANAL SIDEWALL IMPROVEMENTS
105374 HINDS VILLAGE PAVING REPLACEMENT PROJECT
2.4 KV STANDBY DIESEL ENGINE GENERATOR REPLACEMENT - GENE
2.4 KV STANDBY DIESEL ENGINE GENERATOR REPLACEMENT - INTAKE
2.4 KV STANDBY DIESEL ENGINE GENERATOR REPLACEMENT - IRON
230KV SWITCH RACK AT CAMINO
230KV TRANSMISSION LINE PATROL ROAD
69 KV TAP LINE FROM COLORADO TO GENE
69 KV TRANSMISSION LINE BETWEEN PARKER PWR PLT & GENE TO INTAKE
69KV TRANSMISSION LINE TO PARKER DAM
69KV TRANSMISSION LINE TO WHITSETT PUMPING PLANT FROM GENE
ACCESS STRUCTURE, TRANSITION STRUCTURE AND MANHOLE COVER REPLACEMENT
ADDITION TO CABAZON SUBSTATION
ADDITION TO LAKEVIEW SUBSTATION
ADDITIONAL SHOP FACILIITIES AT GENE PLANT
ADJUSTMENT TO COST, PARKER POWER
ALL PLANTS- REPLACE TRANSFORMER BANK 1 PANEL
ALL PUM P PLANTS - BRIDGE CRANES AND SEISMIC RESTRAINTS
ALL PUMP PLANTS - REPLACE DOMESTIC WATER TREATMENT SYSTEMS
ALL PUMP PLANTS - REPLACE STA POWER SUPPLY SYSTEMS
ALL PUMP PLANTS - SEISMIC RESTRANTS - BRIDGE CRANES
ALL PUMP PLTS, MODIFY STATIONARY POWER SUPPLY SYSTEM
ALL PUMP PLTS, REPL MOTOR TEMPERATURE INSTRUMENTS
ALL PUMP T PLT- LONGTERM CHEMICAL FAC CONTAINMENT
ALL PUMPING PLANTS - 230 KV & 69 KV DISCONNECTS REPLACEMENT
ALL PUMPING PLANTS - BRIDGE CRANES
ALL PUMPING PLANTS - TRANSFORMER BANK BRIDGE
ALL PUMPING PLANTS-HYPOCHLORINATION SYSTEM
ALL PUMPING PLTS-REEPLACE 36 IMPELLERS
ALL PUMPING PLTS-REPL DOMESTIC WTR TREATMENT SYSTEM
ALL PUPUMPING PLTS - REPLACE MOTOR TEMPERATURE INSTRUMENTS
ALLEN MCCOLLOCH PIPELINE - CORROSION INTERFERENCE MITIGATION
ALLEN MCCOLLOCH PIPELINE - RIGHT OF WAY
ALLEN MCCOLLOCH PIPELINE - UPDATE / MODIFY ALL BOYLE ENGINEERING DRAWINGS
AMP VALVE & SERVICE CONNECTION VAULT REPAIR
AQUEDUCT & PUMPING PLANT ISOLATION / ACCESS FIXTURES - STUDY
AQUEDUCT & PUMPING PLANT ISOLATION GATES
AQUEDUCT FENCING (SPEC 251)
AQUEDUCT MAINTENANCE (1937-40)
AQUEDUCT MAINTENANCE (REPAIRS & PREPARATION FOR OPERATION)
AQUEDUCT MAINTENANCE-1941
AQUEDUCT SURVEYS
ARROWHEAD EAST TUNNEL CONSTRUCTION
ARROWHEAD TDS REDUCTION
ARROWHEAD TUNNELS CLAIMS COST
ARROWHEAD TUNNELS CONNECTOR ROAD
ARROWHEAD TUNNELS CONSTRUCTION
ARROWHEAD TUNNELS ENGINEERING
ARROWHEAD TUNNELS RE-DESIGN
ARROWHEAD WEST TUNNEL CONSTRUCTION
AULD VALLEY CONTROL STRUCTURE AREA FACILITIES UPGRADE STUDY
AULD VALLEY PIPELINE BUBBLER - SKINNER TREATED WATER
AUXILIARY POWER SYSTEM REHABILITATION / UPGRADES STUDY
AUXILIARY POWER SYSTEM REHABILITATION/UPGRADES
BACHELOR MOUNTAIN COMMUNICATION SITE ACQUISITION
BACHELOR MOUNTAIN TELECOM SITE IMPROVEMENTS
BANK TRANSFORMERS REPLACEMENT STUDY
BANNING HEADQUARTERS
BANNING HINDS TELEPHONE LINE
BANNING VALVERDE TELEPHONE LINE
BERNASCONI TUNNEL
BERNASCONI TUNNEL NO.2, SCH. 311
BLACK METAL MOUNTAIN - COMMUNICATIONS FACILITY UPGRADE
BLACK METAL MOUNTAIN 2.4kV ELECTRICAL POWER UPGRADE
BLACK METAL MOUNTAIN, ELECTRICAL TRANSFORMER UPGRADE
BLOWOFF AT WIDE CANYON SIPHON- CRA (INTERIM CONST)
BOX SPRINGS FEEDER REHAB PHASE III
BUDGET ADJUSTMENT
BUILDINGS - CAMINO SWITCHING STATION
C.R.A.- EAGLE AND HINDS PLANTS, STANDBY GENERATORS (1/2 EACH)
C.R.A.- GENE AND IRON MOUNTAIN ,HOUSES
C.R.A.- GENE AUTO MAINTENANCE ADDITION
C.R.A.- GENE PLANT, EMERGENCY GENERATOR
C.R.A.- GENE VILLAGE SEWAGE DISPOSAL SYSTEM
C.R.A. HINDS AND EAGLE - REMODEL RECREATION HALLS (1/2 EACH)
C.R.A.- INTAKE AND GENE -REPLACE CIRCUIT BREAKERS (1/2 EACH)
C.R.A.- IRON MOUNTAIN AND CAMINO GARAGES
C.R.A.- MODIFY TV ANTENNA AT GENE
C.R.A.- RELOCATE MOBILE HOME FROM CASTAIC LAKE TO IRON MOUNTAIN

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Conveyance and Aqueduct Facilites

C.R.A.- SANDBLAST FACILITIES AT IRON MOUNTAIN AND GENE (1/2 EACH)
C.R.A.-REPL.TRANSFORMER COOLING SYSTEMS AT IRON,EAGLE MTN.& HINDS
CABAZON BIG MORONGO POWER LINES
CABAZON- HINDS POWER LINES
CABAZON RADIAL GATE FACILITIES IMPROVEMENT
CABAZON RADIAL GATE FACILITY IMPROVEMENTS
CABAZON SUBSTATION
CABLE TUNNEL VENTILATION SYSTEM,EAGLE MTN PUMP PLT - CRA
CABLE TUNNEL VENTILATION SYSTEM,IRON MTN PUMP PLT - CRA
CAJALCO CREEK MITIGATION FLOWS
CAL TECH TEST LAB OPERATION
CAMINO CAMP FACILITIES
CAMINO CAMP FACILITIES SERVICE STATION TRANSFORMERS
CAMINO SWITCHING STATION- WATER SYSTEM
CAMP FACILITIES
CANAL CURB ALONG COLORADO RIVER AQUEDUCT
CASA LOMA PIPELINE-CONSTRUCT OVERFLOW BASIN & DRAIN LINE
CASA LOMA SIPHON BARREL NO. 1 - SEISMIC UPGRADES
CASA LOMA SIPHON- CENTER PORTION SCHEDULE 20C
CASA LOMA SIPHON- EAST PORTION SCHEDULE 20A; 20B
CASA LOMA SIPHON LEAK REPAIRS
CASA LOMA SIPHON- REPLACE FIRST BARREL
CASA LOMA SIPHON- WEST PORTION SCHEDULE 20
CASA LOMA WASTEWAY
CASH DISCOUNTS
CAST-IRON BLOW OFF REPLACEMENT - PHASE 4
CATHODIC PROTECTION STUDY - DESIGN AND CONSTRUCTION
CCRP - BLOW-OFF VALVES PHASE 4 PROJECT
CCRP - CONTINGENCY
CCRP - EMERGENCY REPAIR
CCRP - HEADGATE OPERATORS & CIRCUIT BREAKERS REHAB.
CCRP - PART 1 & 2
CCRP - SAND TRAP CLEANING EQUIPMENT & TRAVELING CRANE STUDY
CCRP - TRANSITION & MAN-WAY ACCESS COVER REPLACEMENT - STUDY & DESIGN
CCRP - TUNNELS STUDY
CEPSRP - 230 KV SYSTEM SYNCHRONIZERS
CEPSRP - ALL PUMPING PLANTS - CONTINGENCY & OTHER CREDITS
CEPSRP - ALL PUMPING PLANTS - REPLACE 6.9 KV TRANSFORMER BUSHINGS
CEPSRP - ALL PUMPING PLANTS - REPLACE 230KV , 69 KV & 6.9 KV LIGHTENING ARRESTERS
CEPSRP - ALL PUMPING PLANTS - REPLACE 230KV TRANSFORMER PROTECTION
CEPSRP - SWITCHYARDS & HEAD GATES REHABILITATION
CEPSRP- ALL PUMPING PLANTS - IRON MOUNTAIN - 230KV BREAKER SWITCH. INST.
CIRCUIT BREAKERS - INTAKE & IRON MOUNTAIN PLANTS - CRA (1/2 EACH)
CIRCUIT BREAKERS, 29 MAIN POWER UNITS 1,2,3,4 &5 - ALL PLANTS (1/5 EACH)
CIRCUIT BREAKERS, IRON & EAGLE AND HINDS PUMP PLTS (1/3 EACH)
CIRCULAR SIPHONS SCHEDULE 21
CLEARING HINDS RESERVOIR SITE
COACHELLA TUNNELS
COACHELLA VALLEY ROADS
COLORAD0 RIVER ACQUEDUCT, CONDUIT SCHEDULE 1
COLORADO RIVER ACQUEDUCT & COVER CONDUIT SCHEDULE 9A
COLORADO RIVER ACQUEDUCT & COVER CONDUIT, SCHEDULE 7
COLORADO RIVER ACQUEDUCT , CONCRETE LINED CANAL, SCHEDULE 9
COLORADO RIVER ACQUEDUCT CANAL SCHEDULE 11
COLORADO RIVER ACQUEDUCT CANAL SCHEDULE 13
COLORADO RIVER ACQUEDUCT CUT & COVER CONDUIT SK.11A
COLORADO RIVER ACQUEDUCT CUT & COVER CONDUIT SK.12
COLORADO RIVER ACQUEDUCT CUT & COVER CONDUIT SK.13A
COLORADO RIVER ACQUEDUCT CUT & COVER CONDUIT SK.14
COLORADO RIVER ACQUEDUCT CUT & COVER CONDUIT SK.15
COLORADO RIVER ACQUEDUCT, 10 BOX SIPHONS, SCHEDULE 10A
COLORADO RIVER ACQUEDUCT, 10 HALF-CAP SIPHONS, SCHEDULE 4A
COLORADO RIVER ACQUEDUCT, 12 HALF-CAP SIPHONS, SCHEDULE 3A
COLORADO RIVER ACQUEDUCT, 12 HALF-CAP SIPHONS, SCHEDULE 5A
COLORADO RIVER ACQUEDUCT, 2 16 FT.,CIRCULAR SIPHONS, SK.15B
COLORADO RIVER ACQUEDUCT, 2 CIRCULAR SIPHONS, SCHEDULE 12A
COLORADO RIVER ACQUEDUCT, 2 CIRCULAR SIPHONS, SK. 15A
COLORADO RIVER ACQUEDUCT, 2 HALF-CAP SIPHONS, SCHEDULE 1B
COLORADO RIVER ACQUEDUCT, 3 SIPHONS, SCHEDULE 1A
COLORADO RIVER ACQUEDUCT, 6 BOX SIPHONS, SCHEDULE 13B
COLORADO RIVER ACQUEDUCT, 7 HALF-CAP SIPHONS, SCHEDULE 2B
COLORADO RIVER ACQUEDUCT, 8 BOX SIPHONS, SCHEDULE 9B
COLORADO RIVER ACQUEDUCT, 8 HALF-CAP SIPHONS, SCHEDULE 3B
COLORADO RIVER ACQUEDUCT, 9 BOX SIPHONS, SCHEDULE 11B
COLORADO RIVER ACQUEDUCT, CIRC. SIPHON, SCHEDULE 10B
COLORADO RIVER ACQUEDUCT, CIRC. SIPHON, SCHEDULE 11C
COLORADO RIVER ACQUEDUCT, CIRCULAR SIPHON, SK. 14A
COLORADO RIVER ACQUEDUCT, CONCRETE LINED CANAL, SCHEDULE 10
COLORADO RIVER ACQUEDUCT, CONCRETE LINED CANAL, SCHEDULE 7A
COLORADO RIVER ACQUEDUCT, CONDUIT SCHEDULE 2
COLORADO RIVER ACQUEDUCT, CONDUIT, SCHEDULE 3
COLORADO RIVER ACQUEDUCT, COPPER BASIN SIPHON
COLORADO RIVER ACQUEDUCT, FRIDAY HALF-CAP SIPHON, SCHEDULE 6
COLORADO RIVER ACQUEDUCT, GENE INLET SIPHON
COLORADO RIVER ACQUEDUCT, HALF-CAP SIPHONS, SCHEDULE 8A
COLORADO RIVER ACQUEDUCT, HALF-CAP SIPHONS, SCHEDULE 8B
COLORADO RIVER ACQUEDUCT, LINED CANAL SCHEDULE 4A
COLORADO RIVER ACQUEDUCT, LINED CANAL SCHEDULE 5
COLORADO RIVER ACQUEDUCT, LINED CANAL SCHEDULE 8
COLORADO RIVER AQDCT.WATER STRG IN DESERT GRD.WTR.BASIN-STUDY
COLORADO RIVER AQUEDUCT - PUMPING
COLORADO RIVER AQUEDUCT - SIPHONS AND RESERVOIR OUTLETS REFURBISHMENT
COLORADO RIVER AQUEDUCT (CRA), WHITEWATER SIPHON PROTECTION STUDY

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Conveyance and Aqueduct Facilites

COLORADO RIVER AQUEDUCT CONVEYANCE RELIABILITY, PHASE II REPAIRS
COLORADO RIVER AQUEDUCT CONVEYANCE RELIABILITY, PHASE II REPAIRS AND INSTRUMENTATION
COLORADO RIVER AQUEDUCT, 1 BOX SIPHON, SCHEDULE HAYFIELD
COLORADO RIVER AQUEDUCT, 10 HALF-CAP SIPHONS SCHEDULE 17B
COLORADO RIVER AQUEDUCT, 2 HALF-CAP SIPHONS, SCHEDULE 16A
COLORADO RIVER AQUEDUCT, 4 SIPHONS , SCHEDULE 16B
COLORADO RIVER AQUEDUCT, INVESTIGATION OF SIPHONS AND RESERVOIR OUTLETS REFURBIS
COLORADO RIVER ROAD
COLORADO RIVER TUNNEL
COLTON CABAZON POWER LINES
CONDUIT SCHEDULE 18
CONDUIT SCHEDULE 19
CONDUIT SCHEDULE 23
CONSTRUCTION OF HOUSING FACILITIES-14 HOUSES ON MAIN ACQUEDUCT
CONTROL ROOM LIGHTING - EAGLE & HINDS PUMPING PLANTS (1/2/ EACH)
CONTROL ROOM LIGHTING - INTAKE & IRON MOUNTAIN PUMP PLANTS - (1/2 EACH)
CONTROL ROOM LIGHTING , GENE PLANT - CRA
CONTROL SYSTEM DRAWING UPGRADE STUDY (PHASE 1) - STUDY
CONVERSION OF DEFORMATION SURVEY MONITORING AT GENE WASH
COOLERS, PUMP 4 & 5
COOLERS, PUMP 4 & 6
COOLERS, PUMP 4 & 7
COPPER BASIN AND GENE DAM OUTLET WORKS REHABILITATION (STUDY & DESIGN)
COPPER BASIN AND GENE WASH RESERVOIRS DISCHARGE STRUCTURE REHABILITATION - STAGE 2
COPPER BASIN AND GENE WASH RESERVOIRS DISCHARGE VALVE REHABILITATION
COPPER BASIN DAM AND APPURTENANT WORKS
COPPER BASIN INTERIM CHLORINATION SYSTEM
COPPER BASIN OUTLET GATES RELIABILITY
COPPER BASIN OUTLET REHABILITATION
COPPER BASIN OUTLET, AND COPPER BASIN & GENE WASH DAM SLUICEWAYS REHABILITATION
COPPER BASIN POWER & PHONE LINES REPLACEMENT
COPPER BASIN RESERVOIR OUTLET STRUCTURE REHABILITATION
COPPER BASIN RESERVOIR OUTLET STRUCTURE REHABILITATION PROJECT
COPPER BASIN RESERVOIR ROAD
COPPER BASIN RESERVOIR: ONE HOUSE WITH GARAGE
COPPER BASIN RESERVOIRS DISCHARGE VALVE REHABILITATION & METER REPLACEMENT
COPPER BASIN SERVICE ROAD
COPPER BASIN SURGE TANK
COPPER BASIN TUNNELS NO. 1 & 2
COPPER BASIN, POWER AND COMMUNICATIONS POLE AND TRAMISSION LINE
COPPER BASIN, POWER AND COMMUNICATIONS POLE AND TRANSMISSION LINE
COPPER SULFATE STORAGE AT LAKE SKINNER AND LAKE MATHEWS
CORRISON CONTROL OZONE MATERIAL TEST FACILITY
CORROSION CONTROL OZONE MATERIAL TEST FACILITY
COST OF LAND AND RIGHT OF WAY
COTTAGE & WATER WELL - CAMINO SWITCHING STATION
COTTONWOOD TUNNEL
COXCOMB TUNNEL
COXCOMB WASTEWAY
CRA - ACCESS STRUCTURE, TRANSITION STRUCTURE AND MANHOLE COVER REPLACEMENT
CRA - AQUEDUCT AND PUMPING PLANT ISOLATION GATES
CRA - AQUEDUCT RESERVOIR AND DISCHARGE LINE ISOLATION GATES
CRA - AUXILIARY POWER SYSTEM REHAB
CRA - BANK TRANSFORMERS REPLACEMENT STUDY
CRA - BLOW-OFF VALVES PHASE 4
CRA - CIRCULATING WATER SYSTEM STRAINER REPLACEMENT
CRA - CONTROL SYSTEM IMPLEMENTATION PHASE CLOSE OUT
CRA - CONVEYANCE RELIABILITY PROGRAM PART 1 & PART 2
CRA - COPPER BASIN OUTLET, AND COPPER BASIN & GENE WASH SLUICEWAYS REHABILITATION
CRA - COPPER BASIN POWER & PHONE LINES REPLACEMENT
CRA - CUT & COVER FORNAT WASH EXPOSURE STUDY
CRA - DANBYTOWER FOOTER REPLACEMENT
CRA - DELIVERY LINE NO. 1 SUPPORTS REHAB - FIVE PUMPING PLANTS
CRA - DELIVERY LINES 2&3 SUPPORTS REHAB - GENE & INTAKE
CRA - DELIVERY LINES 2&3 SUPPORTS REHAB - IRON, EAGLE, & HINDS
CRA - DESERT PUMP PLANT OIL CONTAINMENT
CRA - DESERT SEWER SYSTEM REHABILITATION PROJECT
CRA - DESERT WATER TANK ACCESS & SAFETY IMPROVEMENTS
CRA - DISCHARGE CONTAINMENT PROGRAM - INVESTIGATION
CRA - DISCHARGE LINE ISOLATION GATES
CRA - DWCV-4 VALVE REPLACEMENT
CRA - EAGLE MOUNTAIN SAND TRAPS INFLOW STUDY
CRA - ELECTRICAL/ POWER SYST REL. PROG. - IRON MTN - 230KV BREAKER SWITC. INST.
CRA - GENE PUMPING PLANT MAIN TRANSFORMER AREA
CRA - HINDS PUMP UNIT NO. 8 REFURBISHMENT
CRA - INTAKE PUMPING PLANT - COOLING AND REJECT WATER DISCHARGE TO LAKE HAVASU
CRA - INTAKE PUMPING PLANT AUTOMATION PROGRAMMING
CRA - INVESTIGATION OF SIPHONS AND RESERVOIR OUTLETS
CRA - IRON MOUNTAIN RESERVOIR AND CANAL LINER REPAIRS
CRA - IRON MTN. TUNNEL REHABILITATION
CRA - IRON MTN., REPLACE RECREATION & CRAFT BLDGS
CRA - LAKEVIEW SIPHON FIRST BARREL - REPAIR DETERIORATED JOINTS
CRA - MAIN PUMP MOTOR EXCITERS
CRA - MAIN PUMP STUDY
CRA - MOUNTAIN SIPHONS SEISMIC VULNERABILITY STUDY
CRA - PUMPING PLANT RELIABILITY PROGRAM CONTINGENCY
CRA - PUMPING PLANTS VULNERABILITY ASSESSMENT
CRA - PUMPING WELL CONVERSION
CRA - QUAGGA MUSSEL BARRIERS
CRA - REAL PROPERTY - BOUNDARY SURVEYS
CRA - RELIABILITY PROGRAM 230 KV & 69 KV DISCONNECTS REPLACEMENT STUDY (5 PLANTS)
CRA - RELIABILITY PROGRAM INVESTIGATION
CRA - RELIABILITY PROGRAM PHASE 6 (AQUEDUCT PHASE 6 REHAB.) - SPEC 1568

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Conveyance and Aqueduct Facilites

CRA - RELIABILTY PHASE II CONTINGENCY
CRA - SAND TRAP CLEANING EQUIPMENT AND TRAVELING CRANE
CRA - SERVICE CONNECTION DWCV-2T VALVES REPLACEMENT AND STRUCTURE CONSTRUCTION
CRA - SERVICE CONNECTION DWCV-4 A, B, C, & D PLUG VALVES REPLACEMENT
CRA - SIPHONS, TRANSITIONS, CANALS, AND TUNNELS REHABILITATION AND IMPROVEMENTS
CRA - SUCTION & DISCHARGE LINES EXPANSION JOINT REHAB
CRA - SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) SYSTEM
CRA - SWITCHYARDS AND HEAD GATES REHAB
CRA - SWITCHYARDS AND HEAD GATES REHABILITATION
CRA - TRANSFORMER OIL & CHEMICAL UNLOADING PAD CONTAINMENT
CRA - TUNNELS VULNERABILITY STUDY - REPAIRS TO TUNNELS
CRA - WEST PORTAL UPGRADE - REHAB OF STILLING WELL, SLIDE GATE OPERATORS AND RADIAL GATES
CRA WHITEWATER TUNNEL NO 2 SEISMIC UPGRADE
CRA 2.4 KV STANDBY DIESEL ENGINE GENERATORS REPLACEMENT
CRA 230 KV & 69 KV DISCONNECTS SWITCH REPLACEMENT
CRA 230 KV SYSTEM INTER-AGENCY OPERABILITY UPGRADES
CRA 230 KV TRANSMISSION LINE - INFRASTRUCTURE RELIABILITY IMPROVEMENTS (REF: PENDING NEW PN104717)
CRA 230 KV TRANSMISSION SYSTEM REGULATORY AND OPERATIONAL FLEXIBILITY UPGRADES
CRA 230 KV TRANSMISSION SYSTEM REGULATORY COMPLIANCE AND OPERATIONAL FLEXIBILITY UPGRADES - STUDY
CRA 230KV & 69KV PROTECTION PANEL UPGRADE
CRA 230kV TRANSMISSION SYSTEM REGULATORY COMPLIANCE AND OPERATIONAL FLEXIBILITY UPGRADES
CRA 2400 V VILLAGE ELECTRICAL POWER DISTRIBUTION UPGRADES
CRA 6 9KV POWER CABLES REPLACEMENT
CRA 6.9 KV LEAD JACKETED CABLES
CRA 6.9 KV POWER CABLES REPLACEMENT
CRA 6.9 KV POWER CABLES REPLACEMENT UNITS 6 TO 9
CRA 69KV AND 240 KV TRANSFORMERS REPLACEMENT
CRA 69KV PANEL UPGRADE
CRA ACCESS STRUCTURE, TRANSITION STRUCTURE AND MANHOLE COVERS REPLACEMENT
CRA- ALL PUMP PLT3,REPL.THERMOMETERS/TEMP.RECORDERS IN CONT.RM.
CRA ALL PUMPING PLANTS - FLOW METER UPGRADES
CRA ALL PUMPING PLANTS, FLOW METER REPLACEMENT
CRA ANCILLARY EROSION AND DRAINAGE CONTROL
CRA AND IRON MOUNTAIN RESERVOIR PANEL REPAIRS
CRA AND IRON MOUNTAIN RESERVOIR PANEL REPLACEMENT
CRA AQUEDUCT BLOCKER GATE REPLACEMENT
CRA AQUEDUCT ISOLATION GATES REPLACEMENT
CRA ASPHALT REPLACEMENT
CRA AUXILIARY POWER SYSTEM REHABILITATION/UPGRADES FOR FOUR PUMPING PLANTS
CRA AUXILIARY POWER SYSTEMS
CRA BLACK METAL COMMUNICATION SITE II UPGRADE
CRA BLOW-OFF VALVE FLANGE OUTLET
CRA CANAL CRACK REHAB AND EVALUATION
CRA CANAL CRACK REHABILITATION
CRA CANAL IMPROVEMENTS
CRA CARPORT INSTALLATIONS AT GENE PUMP PLANT
CRA CARPORT INSTALLATIONS AT IRON MOUNTAIN PUMP PLANT
CRA CARPORTS FOR HINDS PUMPING PLANT
CRA CHLORINE INJECTION IMPROVEMENTS
CRA CHOLLA WASH CONDUIT RELINING
CRA CIRCULATING WATER SYSTEM STRAINER REPLACEMENT
CRA CONDUIT EROSION CONTROL IMPROVEMENTS
CRA CONDUIT FORMAT WASH EROSION REPAIRS
CRA CONDUIT STRUCTRUAL PROTECTION
CRA CONDUIT STRUCTURAL PROTECTION
CRA CONVEYANCE RELIABILITY PROGRAM (CCRP) - BLOW-OFF REPAIR
CRA CONVEYANCE RELIABILITY PROGRAM PART 1 & PART 2
CRA CONVEYANCE SYSTEM HIGH FLOW RELIABILITY UPGRADES
CRA COPPER BASIN AND GENE WASH DAM SLUICEWAYS
CRA COPPER BASIN OUTLET GATES RELIABILITY
CRA COPPER BASIN OUTLET GATES RELIABILITY STUDY
CRA DELIVERY LINE 1 SUPPORTS REHAB, FIVE PUMPING PLANTS
CRA DELIVERY LINE REHABILITATION
CRA DELIVERY LINES 2&3 SUPPORTS REHAB, GENE & INTAKE
CRA DESERT AIRFIELDS IMPROVEMENT
CRA DESERT PUMP PLANT OIL CONTAINMENT
CRA DESERT REGION SECURITY IMPROVEMENTS
CRA DISCHARGE CONT/GENE CAMP & IRON MTN EQUIPMENT WASH DRAINS
CRA DISCHARGE CONTAINMENT
CRA DISCHARGE CONTAINMENT PROGRAM - CONTINGENCY
CRA DISCHARGE CONTAINMENT PROGRAM - GENE & IRON DRAIN SYSTEMS
CRA DISCHARGE CONTAINMENT PROGRAM - INVESTIGATION
CRA DISCHARGE CONTAINMENT PROGRAM - OIL & CHEMICAL UNLOADING PAD CONTAINMENT
CRA DISCHARGE LINE ISOLATION BULKHEAD AND COUPLING
CRA DOMESTIC WATER TREATMENT SYSTEM REPLACEMENT
CRA ELECTRICAL / POWER SYSTEM RELIABILITY PROGRAM (CEPSRP)
CRA ELECTRICAL GENE PUMP PLT REPLACE 6.9 KV TRANSFORMER BUSHINGS
CRA ELECTRICAL POWER SYSTEM RELIABILITY PROGRAM PUMP
CRA ELECTRICAL PUMP PLTS REPLACE 230 KV 69 KV & 6.9 KV LIGHTENING ARRESTERS
CRA ELECTRICAL/POWER SYSTEM RELIABILITY PROGRAM,IRON MTN
CRA EMERGENCY REPAIR AQUEDUCT REPUTURE IN DESERT HOT SPRINGS
CRA ENERGY EFFICIENCY IMPROVEMENTS
CRA FREDA SIPHON BARREL NUMBER 1
CRA FREDA SIPHON BARREL NUMBER 1 INTERNAL SEAL INSTALLATION
CRA- GENE PLANT, VENTILATE CABLE TUNNEL
CRA- GENE PUMPING PLANT- CONSTRUCTION ADDITION.TO TESTING LAB.BLDG.
CRA GENE PUMPING PLANT HEAVY EQUIPMENT SERVICE PIT
CRA GENE PUMPLING PLANT HEAVY EQUIPMENT SERVICE PIT
CRA GENE STORAGE WAREHOUSE REPLACEMENT
CRA HINDS PUMPING PLANT - WASH AREA UPGRADE
CRA HOUSING IMPROVEMENTS - ADDITION OF TEN NEW HOUSES
CRA- IMPROVE ROAD TO HEAD GATE- WHITSETT
CRA INTAKE AND GENE OVER-CURRENT RELAY REPLACEMENT

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Conveyance and Aqueduct Facilites

CRA INTAKE PPLANT - POWER & COMMUNICATION LINE REPLACEMENT
CRA INTAKE PUMP PLANT SHORE PROTECTION
CRA- INTAKE PUMPING PLANTS- REPL.STA. SERV. RACK CIRCUIT BREAKERS
CRA IRON GARAGE HEAVY EQUIPMENT SERVICE PIT REPLACEMENT
CRA IRON HOUSING REPLACEMENT
CRA- IRON MOUNTAIN AND GENE- HOUSING (1/2/ EACH)
CRA IRON MOUNTAIN PUMP PLANT 2400 V SWITTCH RACK REHABILITATION
CRA IRON MOUNTAIN PUMP PLANT AND EAGLE MOUNTAIN PUMP PLANT RESERVOIR BOTTOM RELINING
CRA IRON MOUNTAIN SUCTION JOINT REFURBISHMENT PILOT
CRA IRON MOUNTAIN VILLAGE-REPLACE REC-MESS HALL FACILITIES
CRA LAKEVIEW SIPHON
CRA MAIN PUMP & MOTOR REFURISHMENT
CRA MAIN PUMP AND MOTOR REFURISHMENT
CRA MAIN PUMP CIRCULATING WATER SYSTEM REHABILITATION
CRA MAIN PUMP CONTROLS & INSTRUMENTATION
CRA MAIN PUMP CONTROLS AND INSTRUMENTATION
CRA MAIN PUMP DISCHARGE VALVE REFURBISHMENT
CRA MAIN PUMP MOTOR EXCITERS ASSESSMENT
CRA MAIN PUMP MOTOR EXCITERS REHABILITATION
CRA MAIN PUMP MOTOR REHABILITATION (INCLUDES UPCOMING CIP - CRA MAIN PUMP REHABILITATION)
CRA MAIN PUMP REHABILITATION
CRA MAIN PUMP REHABILITATION (STAGE 1) - DESIGN PHASE FOR DEMONSTRATION PROJECT
CRA MAIN PUMP REHABILITATION (STAGE 1) - PRELIMINARY INVESTIGATIONS
CRA MAIN PUMP STUDY
CRA MAIN PUMP SUCTION AND DISCHARGE LINES, EXPANSION JOINT REPAIRS
CRA MAIN PUMPING PLANT DISCHARGE LINE ISOLATION BULKHEAD COUPLING CONSTRUCTION
CRA MAIN PUMPING PLANT UNIT COOLERS & HEAT ESCHANGERS
CRA MAIN PUMPING PLANT UNIT COOLERS AND HEAT EXCHANGERS
CRA MAIN PUMPING PLANTS DISCHARGE LINE ISOLATION BULHEAD COUPLINGS
CRA MAIN PUMPING PLANTS DISCHARGE LINE ISOLATION BULKHEAD COUPLINGS
CRA MAIN PUMPING PLANTS LUBRICATION SYSTEM
CRA MAIN PUMPING PLANTS SAND REMOVAL SYSTEM
CRA MAIN PUMPING PLANTS SERVICE WATER & SAND REMOVAL SYSTEM
CRA MAIN TRANSFORMER REFURBISHMENT
CRA MAIN TRANSFORMER REPLACEMENT /REHABILITATION
CRA MAIN TRANSFORMER REPLACEMENT/REHAB.
CRA- MICROWAVE SYSTEM ENLARGEMENT
CRA MILE 12 POWER LINE & FLOW MONITORING EQUIP. STUDY
CRA MM 33 CANAL SIDEWALL IMPROVEMENTS
CRA- MODIFY INTAKE TRANSFORMER COOLING
CRA- MODIFY PUMP IMPELLERS AT FIVE PUMPING PLANTS
CRA OVER-CURRENT RELAY REPLACEMENT
CRA OVER-CURRENT REPLAY REPLACEMENT
CRA- PROTECT TRANSFORMERS AT PUMPING PLANTS
CRA PROTECTIVE SLAB AT EAGLE MOUNTAIN, STATION 5817+00
CRA PROTECTIVE SLAB AT STATION 9704+77-15-011
CRA PROTECTIVE SLABS
CRA PUMP PLANT FLOW METER REPLACEMENT
CRA PUMP PLANT FLOW METER UPGRADE
CRA PUMP PLANT LOWER GUIDE ACCESS IMPROVEMENTS
CRA PUMP PLANT ROLLUP DOOR AND WINDOW REPLACEMENTS
CRA PUMP PLANT SUMP PIPING REPLACEMENT STUDY
CRA PUMP PLANT SUMP SYSTEM REHABILITATION
CRA PUMP PLANT UNINTERRUPTABLE POWER STUDY (UPS) UPGRADE
CRA PUMP PLANTS 2.3KV & 480V SWITCHRACKS REHAB
CRA PUMP PLANTS 2.3KV AND 480V SWITCH RACK REHABILITATION
CRA PUMP PLANTS 2300KV & 480 V SWITCHRACK REHAB
CRA PUMP PLANTS CIRCULATION WATER SYSTEMS
CRA PUMP PLANTS ON-LINE INSTR FOR MICROFILT UNIT
CRA PUMP REHAB PROJECT - AS-BUILT DRAWINGS
CRA PUMP WELLS CONVERSION AND BLOW-OFF REPAIR
CRA PUMPING PLANT DELIVERY LINE REHABILITATION
CRA PUMPING PLANT REHABILITATION STUDY
CRA PUMPING PLANT REHABILITATION STUDY AND INVESTIGATION
CRA PUMPING PLANT RELIABILITY PROGRAM
CRA PUMPING PLANT RELIABILITY PROGRAM - HIGH PRESSURE COMPRESSOR REPLACEMENT
CRA PUMPING PLANT RELIABILITY PROGRAM - SUCTION & DISCHARGE LINES EXPANSION JOINT STUDY
CRA PUMPING PLANT RELIABILITY PROGRAM - SUCTION AND DISCHARGE LINES-EXPANSION JOINT REPAIRS
CRA PUMPING PLANT STATION BATTERY REPLACEMENT
CRA PUMPING PLANT STORAGE BUILDINGS
CRA PUMPING PLANT STORAGE BUILDINGS AT HINDS, EAGLE MOUNTAIN AND IRON MOUNTAIN
CRA PUMPING PLANT SUMP SYSTEM REHABILITATION
CRA PUMPING PLANT VULNERABILITY ASSESSMENT
CRA PUMPING PLANT WASTEWATER SYSTEM - GENE & IRON MTN.
CRA PUMPING PLANT WASTEWATER SYSTEM - INTAKE
CRA PUMPING PLANT WASTEWATER SYSTEM REHABILITATION - ALL FIVE PUMPING PLANT PRELIMINARY DESIGN
CRA PUMPING PLANT WASTEWATER SYSTEM REPLACEMENT
CRA PUMPING PLANT WASTEWATER SYSTEM REPLACEMENT - GENE/IRON MTN FINAL DESIGN
CRA PUMPING PLANT WASTEWATER SYSTEM REPLACEMENT - HINDS & EAGLE MOUNTAIN
CRA PUMPING PLANT WASTEWATER SYSTEM REPLACEMENT - HINDS & EAGLE MTN.
CRA PUMPING PLANTS - AUXILIARY POWER SYSTEM REHABILITATE/UPGRADES
CRA PUMPING PLANTS 230KV & 69K DISCONNECT SWITCH REPLACEMENT
CRA PUMPING PLANTS 230KV DISCONNECT SWITHC REPLACEMENT
CRA PUMPING PLANTS ASPHALT REPLACEMENT
CRA PUMPING PLANTS CRANE IMPROVEMENTS
CRA PUMPING PLANTS SCADA NETWORK MAIN SWITCH REPLACEMENT
CRA PUMPING PLANTS SWITCH HOUSE FAULT CURRENT PROTECTION
CRA PUMPING PLANTS VULNERABILITY ASSESSMENT
CRA PUMPING PLANTS WATER TREATMENT SYSTEMS REPLACEMENT
CRA PUMPING PLT RELIABILITY PROGRAM, DISCHARGE LINE COUPLING INSTALLATION
CRA PUMPING WELL CONVERSION
CRA PUMPLING PLANTS DISCHARGE LINE ISOLATION GATES
CRA QUAGGA MUSSEL BARRIERS

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Conveyance and Aqueduct Facilites

CRA RADIAL GATES AND SLIDE GATE REHABILITATION
CRA RADIAL GATES REPLACEMENT
CRA REALIABILITY PHASE II, PUMPING PLANT SWITCH HOUSE FAULT CURRENT PROTECTION
CRA- RECONSTRUCT CAMINO SWITCHING STATION
CRA- REHAB 11 MAIN TRANSFORMERS
CRA RELIABILITY - PHASE II PROGRAM
CRA RELIABILITY PHASE II - PUMPING PLANTS 230KV & 69KV DISCONNECT SWITCH REPLACEMENT
CRA RELIABILITY PROGRAM - DISCHARGE VALVE LUBRICATORS
CRA RELIABILITY PROGRAM - MOTOR BREAKER FAULTY CURRENT STUDY (5 PLANTS)
CRA RELIABILITY PROGRAM PHASE 6 (AQUEDUCT PHASE 6 REHAB.) - SPEC 1568
CRA RELIABILITY PROGRAM PHASE 6 (SAN JACINTO DIVERSION STRUCTURE)
CRA RELIABILITY PROGRAM PHS 6 (SAN JACINTO DIV STRUCTURE & SVS CV-4)
CRA RELIABILITY-PHASE II PROGRAM
CRA RELIABILTY PHASE II - PUMPING PLANT SWITCH HOUSE FAULT CURRENT PROTECTION
CRA- RELOCATE MOTOR COLLECTOR RINGS AT IRON MOUNTAIN PLANT
CRA- REMODEL GENE GUEST LODGE
CRA- REPL. 2300V STA. SERV. STANDBY POWER LINE AT GENE
CRA- REPLACE CONTROL ROOM LIGHTING AT INTAKE AND IRON MOUNTAIN
CRA- REPLACE WATER FLOWMETER INSTRUMENTS- 5 PUMPING PLANTS
CRA SAND TRAP EQUIPMENT UPGRADES
CRA SEISMIC EVALUATION - SWITCH HOUSE AND PUMP ANCHORAGE
CRA SEISMIC RETROFIT OF 6.9kV SWITCH HOUSES
CRA SEISMIC UPGRADE OF 6.9KV SWITCH HOUSES
CRA SERVICE CONNECTION DWCV-2T VALVES REPLACEMENT AND STRUCTURE CONSTRUCTION
CRA SERVICE CONNECTION DWCV-4 VALVES REPLACEMENT
CRA SIPHON REHAB
CRA SIPHONS, TRANSITIONS, CANALS AND TUNNELS REHABILITATION & IMPROVMENTS
CRA SIPHONS, TRANSITIONS, CANALS, AND TUNNELS REHABILITATION AND IMPROVEMENTS
CRA SUCTION AND DISCHARGE LINES - EXPANSION JOINT REPAIRS
CRA SUPPORT FACILITIES SEISMIC EVALUATIONS
CRA SURGE CHAMBER DISCHARGE LINE BY-PASS COVERS
CRA SWITCHRACKS & ANCILLARY STRUCTURES EROSION CONTROL
CRA TRANSFORMER OIL AND SODIUM HYPOCHLORITE CONTAINMENT
CRA TRANSITION STRUCTURE AND MANHOLE COVERS REPLACEMENT
CRA TRANSITION STURCTURE AND MANHOLE STRUCTURES COVERS REPLACEMENT
CRA TUNNELS - SEISMIC RESILIENCE UPGRADES
CRA UPS REPLACEMENT
CRA- VIBRATION DETECTION EQUIPMENT
CRA VILLAGES DOMESTIC WATER MAIN DISTRIBUTION REPLACEMENT STUDY
CRA WATER DISTRIBUTION SYSTEM & VILLAGE ASPHALT REPLACEMENT - GENE & IRON MOUNTAIN
CRA WATER DISTRIBUTION SYSTEM & WASTEWATER SYSTEM REPLACEMENT - GENE & IRON MTN CONSTRUCTION
CRA WATER DISTRIBUTION SYSTEM REPLACEMENT AND CRA ROADWAY ASPHALT REPLACEMENT - ALL PP
CRA WHIPPLE MOUNTAIN TUNNEL
CRA WHIPPLE MOUNTAIN TUNNEL FLOW METERING EQUIPMENT UPGRADES
CRA, CABAZON AND POTRERO SHAFT COVERS
CRA, INSTALL WATER LEVEL ALARM SYSTEM AT CACTUS CITY (MILE 147)
CRA, INSTALL WATER LEVEL ALARM SYSTEM AT FAN HILL (MILE 168)
CRA, MILE 12 SIPHONS, INSTALL ACCOUSTIC FLOWMETERS
CRA-ALL PUMP PLANTS -INSTALL ACOUSTIC METER
CRA-ALL PUMP PLANTS- REPLACE C02 CYLINDERS
CRA-ALL PUMP PLANTS-MODIFY OVERHEAD BRIDGE CRANES
CRA-ALL PUMP PLANTS-REHAB PERF TEST
CRA-ALL PUMP PLANTS-REPLACE IMPELLERS
CRA-ALL PUMP PLANTS-VIBRATION MONITOR EQUIPMENT
CRA-ALL PUMPING PLANTS - REPLACE MOTOR TEMP INSTRUMENTS
CRA-ALL PUMPING PLANTS REHAB MAIN PUMP UNIT STUDY
CRA-EAGLE AND HINDS PLANT-WORTH SHFT CONN. (1/2 EACH)
CRA-EAGLE MNTN. OR HINDS PUMPING PLANTS -MODIF.PUMP IMPELLER ATTO
CRA--EAGLE MTN. AND HINDS PUMPING PLANTS-MODIF. 2 IMPELLER ATTACHMT. (1/2/ EACH)
CRA-GARAGES- PUMPING PLANT VILLAGES
CRA-GENE-M.UNIT GARAGE BLDG,IRON & EAGLE MTN.-RPL.CBL TNL VENT SYS.
CRA-HEAT EXCHANGER GENE PLANT TRANSFORMER 8K NO.2
CRA-IRON MTN PUMP PLANT-MODIFY ACOUSTIC FLOWMETER
CRA-ORIG CONST-LIQ DAMAGES
CRA-ORIG CONSTRUCTION-CASH DISCOUNTS BOND FUND
CRA-ORIG CONSTRUCTION-DISPOSAL OF PERMANENT WORKS
CRA-ORIG CONSTRUCTION-SALES TAX ADJUSTMENT
CRA-ORIG CONST-SALVAGE SALES
CRA-ORIG CONST-UNAPPLIED INSURANCE RESERVE
CUF DECHLORINATION SYSTEM
CUT-AND-COVER CONDUIT SCHEDULE 17;17A
CUT-AND-COVER CONDUIT, SCHEDULE 16
DAM SLUICEWAYS AND OUTLETS REHABILITATION
DANBY DRY LAKE- BRINE WELL
DANBY TOWER FOOTER REPLACEMENT
DANBY TOWERS FOUNDATION REHABILITATION
DESALINATION RESEARCH AND PARTNERSHIP
DESERT AIRFIELDS IMPROVEMENT
DESERT BRANCH - REPLACE STOLEN COPPER GROUND WIRE FOOTINGS/GROUNDING & COPPER PI
DESERT BRANCH, PURCHASE AND INSTALL FIVE PORT VIDEO CONFERENCING BRIDGE
DESERT CENTER EARP ROAD
DESERT FACILITIES - FIRE PROTECTION UPGRADE
DESERT FACILITIES FIRE PROTECTION SYSTEMS UPGRADE
DESERT FACILITIES, FIRE PROTECTION UPGRADE
DESERT LAND ACQUISITIONS
DESERT PUMP PLANT OIL CONTAINMENT
DESERT ROADWAY IMPROVEMENT
DESERT SEPTIC SYSTEM
DESERT SEWER SYSTEM REHABILITATION
DESERT WATER TANK ACCESS - FIRE WATER, CIRCULATING WATER, DOMESTIC WATER- STUDY
DESERT WATER TANK ACCESS AND SAFETY IMPROVEMENT
DESILT WASH ROAD NEAR GENE PUMPING PLANT
DIEMER INFRA-RED INSPECTION WINDOWS

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Conveyance and Aqueduct Facilites

DISCHARGE LINE COUPLING INSTALLATION
DISCHARGE LINE ISOLATION BULKHEAD COUPLINGS
DISTRIBUTION SYSTEM FACILITIES - REHABILITATION PROGRAM
DISTRIBUTION SYSTEM FACILITIES REHABILITATION PROGRAM - MAINTENANCE & STORAGE SHOP (PC-1)
DISTRIBUTION SYSTEM RELIABILITY PROGRAM - PHASE 2
DOMESTIC IMPROVEMENTS AT EAGLE MOUNTAIN AND CAMINO CAMP
DVL INLET / OUTLET TOWER FISH SCREENS REPLACEMENT
DVL TO SKINNER TRANSMISSION LINE STUDY
DVL, EASTSIDE PIPELINE, SECONDARY INLET
E. THORNTON IBBETSON GUEST DORMITORY AT GENE CAMP
E. THORNTON IBBETSON GUEST QUARTERS
EAGLE AND HINDS EQUIPMENT WASH AREA UPGRADE
EAGLE AND HINDS PLANT-MODIFY TWO MAIN IMPELLER ATTACHMENTS (1/2 EACH)
EAGLE AND HINDS PUMPING PLANTS-REPL. VIBRATON MONITORING SYSTEM
EAGLE KITCHEN UPGRADE
EAGLE LIFT & EAGLE WEST SIPHONS SEISMIC IMPROVEMENTS
EAGLE MOUNTAIN 230 KV LOCAL BREAKER FAILURE BACKUP
EAGLE MOUNTAIN 230 KV PHYSICAL AND CYBER SECURITY UPGRADES
EAGLE MOUNTAIN 230KV LOCAL BREAKER FAILURE BACKUP
EAGLE MOUNTAIN 230KV PHYSICAL AND CYBER SECURITY UPGRADE
EAGLE MOUNTAIN CAMP FACILITIES-ADDITIONS
EAGLE MOUNTAIN CAMP FACILITIES-PERMANNT QTRS
EAGLE MOUNTAIN CRA EMPLOYEE HOUSING, MANUFACTURED HOMES
EAGLE MOUNTAIN CRA HOUSING, FENCING IMPROVEMENTS
EAGLE MOUNTAIN INTAKE CANAL
EAGLE MOUNTAIN INTAKE SIPHON SPILLWAY
EAGLE MOUNTAIN INTAKE SIPHONS
EAGLE MOUNTAIN PUMPING PLANT BUILDING & CONTROL HOUSE
EAGLE MOUNTAIN PUMPING PLANT DELIVERY PIPES
EAGLE MOUNTAIN PUMPING PLANT- ENCLOSURE FENCE
EAGLE MOUNTAIN PUMPING PLANT MISCELLANEOUS FEATURES
EAGLE MOUNTAIN PUMPING PLANT SCADA SYSTEM
EAGLE MOUNTAIN PUMPING PLANT STANDBY DIESEL ENGINE GENERATOR
EAGLE MOUNTAIN PUMPING PLANT VILLAGE-POTABLE WATER LINE REPLACMENT PROJECT
EAGLE MOUNTAIN PUMPING PLANT: COTTAGE WITH DOUBLE GARAGE
EAGLE MOUNTAIN RESERVOIR
EAGLE MOUNTAIN RESERVOIR SLIDEGATE 2 REFURBISHMENT
EAGLE MOUNTAIN ROAD
EAGLE MOUNTAIN ROADWAYS
EAGLE MOUNTAIN SAND TRAPS STUDY
EAGLE MOUNTAIN SANDTRAP
EAGLE MOUNTAIN SIPHONS SEISMIC VULNERABILITY STUDY
EAGLE MOUNTAIN VILLAGE- RMODEL DORMITORY
EAGLE MOUNTAIN VILLAGE-ENLARGE SEWER DISPOSAL SYSTEM
EAGLE MTN AND HINDS PUMPING PLANTS- REPLACE CONTROL ROOM LIGHTING
EAGLE MTN SAND TRAPS STUDY
EAGLE MTN. REC/ MESS HALL MODIFICATIONS - AMERICANS W/ DISABILITIES
EAGLE MTN. & IRON MTN. - SHOPS AND HOUSES (1/2 EACH)
EAGLE MTN.& HINDS PUMPING PLNTS-SERV. PLATFORMS & ACCESS LADDER
EAGLE MTN/HINDS PUMP PLT - REPLACE VIBRATING MONITORING SYSTEM
EAGLE MTN-REPLACE ASPHALT PAVEMENT
EAGLE PP UTILITIES AND PAVING
EAGLE ROCK ASPHALT REPAIR PROJECT
EAGLE ROCK MAIN ROOF REPLACEMENT
EAGLE/HINDS PUMPING PLANTS- REHAB. 2 MAIN TRANSFORMERS
EAST BRANCH AQUEDUCT STUDIES
EAST COXCOMB MOUNTAIN WATER LINES
EAST EAGLE MOUNTAIN TUNNEL
ELECTRICAL SYSTEM - CAMINO SWITCHING STATION
ELEVEN HOUSES & GARAGES: 6 - IRON MOUNTAIN ,2-HAYFIELD, 1- WIDE CYN.
ELEVEN HOUSES & GARAGES: 6-IRON MOUNTAIN ,2- EAGLE,2-HAYFIELD, 1- WIDE CYN.
ENHANCED VAPOR RECOVERY UPGRADES FOR GASOLINE DISPENSERS
ENVIRONMENTAL MITIGATION
ETIWANDA PIPELINE LINER REPAIR
ETIWANDA RESERVOIR LINER REPAIR
EVALUATION OF PRECIPITATIVE FOULING OF COLORADO RIVER WATER
EXPLORATORY WORK, GENE AND COPPER BASIN DAMS
FACILITIES - IRON MOUNTAIN
FAN HILL EXPERIMENTAL
FAN HILL EXPERIMENTAL SIPHON & TRANSITIONS
FEMA PROJECT 701209
FEMA PROJECT 701237
FEMA PROJECT 701249
FEMA PROJECT 701315
FEMA PROJECT 701339
FEMA PROJECT 701352
FENCING & EAGLE MOUNTAIN ROAD RELOCATION
FLOWMETER INDICATOR, WATER
FOOTHILL FEEDER ARROYO SECO WATER TREATMENT PLANT
FUTURE SYSTEM RELIABILITY PROJECTS
GARAGES - GENE & HINDS PUMP PLANTS - CRA
GARAGES- PARKER DAM, COPPER BASIN AND EAGLE MOUNTAIN
GARVEY RESERVOIR - AUTOMATED DATA ACQUISITION SYSTEM
GARVEY RESEVOIR AUTOMATED DATA ACQUISITON SYSTEM REPLACEMENT
GATES, FOUR SAN JACINTO TUNNEL - CRA (ORG CONST)
GENE MESS HALL MODIFICATIONS - AMERICANS W/ DISABILITIES
GENE & INTAKE P.P. - FREQUENCY PROTECTION RELAY REPLACEMENT
GENE & INTAKE PUMPING PLANT OUTLET STRUCTURE GATE RE-COATING (10003)
GENE & INTAKE PUMPING PLANT SURGE CHAMBER OUTLET GATES RE-COATING
GENE & INTAKE PUMPING PLANTS - REPLACE UNDER FREQUENCY PROTECTION RELAY
GENE & IRON
GENE & IRON UTILITIES AND PAVING
GENE AIR CONDITION

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Conveyance and Aqueduct Facilites

GENE AIR CONDITIONING SYSTEM, REPLACE
GENE CAMP- DISMANTLE TWO APARTMENTS AND BUILD TWO HOUSES
GENE CAMP FACILITIES - THREE COTTAGES AND GARAGES (CONT 579, SPEC 431)
GENE CAMP FACILITIES-ADDITIONS
GENE CAMP FACILITIES-BOOSTER REFRIGERATION FOR COTTAGES
GENE CAMP FACILITIES-PERMANENT
GENE CAMP LUNCH ROOM AND ADDITION TO GUEST HOUSE
GENE CAMP MESS HALL, REPLACE A/C UNIT
GENE CAMP MESS HALL, REPLACE AIR CONDITIONING UNIT
GENE CAMP- REPLACE, REMODEL AND ENLARGE TEN HOUSES
GENE CAMP STATION SERVICE TRANSFORMER REPLACEMENT
GENE CAMP WALK-IN FREEZER REPLACEMENT
GENE CAMP, DEMOLISHED MEDICAL BLDG UNITS 85G & 86G
GENE COMMUNICATION SYSTEM UPGRADE
GENE GUEST LODGE MODIFICATIONS - AMERICANS W/ DISABILITIES
GENE HEADQUARTERS: FIVE HOUSES WITH GARAGES
GENE HEADQUARTERS: FOUR COTTAGES WITH GARAGES
GENE INLET SURGE CHAMBER ACCESS IMPROVEMENTS
GENE PLANT- CLOSED CIRCUIT TV SYSTEM
GENE PLANT- REPLACE STATION SERVICE RACK
GENE PLANT- REPLACE TEMPERATURE INSTRUMENTS
GENE POOL REFURBISHMENT
GENE PUMPING PLAN- SPECIAL MECHANICAL MAINTENANCE SHOP ADDITION
GENE PUMPING PLANT - AIR STRIP EXTENSION PROJECT
GENE PUMPING PLANT - HEAVY EQUIPMENT SERVICE PIT
GENE PUMPING PLANT - PEDDLER SUBSTATION REPLACEMENT
GENE PUMPING PLANT - SCADA SYSTEM
GENE PUMPING PLANT- CONSTRUCT HEADGATE STAIRWAY
GENE PUMPING PLANT- CONSTRUCT ROAD TO HEAD GATE HOUSE
GENE PUMPING PLANT DELIVERY PIPES & INLET
GENE PUMPING PLANT EXPANSION JOINT
GENE PUMPING PLANT EXPANSION JOINT REHABILITATION
GENE PUMPING PLANT MAIN TRANSFORMER AREA
GENE PUMPING PLANT MISCELLANEOUS FEATURES
GENE PUMPING PLANT- PREFABRICATED AIRCRAFT HANGER
GENE PUMPING PLANT PUMP BUILDING & CONTROL HOUSE
GENE PUMPING PLANT PUMPING EQUIPMENT
GENE PUMPING PLANT- REHAB. BANK NO.1 PHASE C,MAIN TRANSFORMER
GENE PUMPING PLANT- REPLACE CONTROL ROOM LIGHTING
GENE PUMPING PLANT REPLACE POWER CABLE AT HEAD GATE
GENE PUMPING PLANT- REPLACE POWER CABLE AT HEAD GATE
GENE PUMPING PLANT STANDBY GENERATOR REPLACEMENT
GENE PUMPING PLANT, CONSTRUCT SPARE PARTS WAREHOUSE
GENE PUMPING PLANT, REPL CIRCUIT BREAKER FOR TRANSFORMER BANK #1
GENE PUMPING PLANT-HEADQUARTERS OFFICE BUILDING, MODIFY & EXPAN.
GENE PUMPING PLANT-REPL 230 KV CIRCUIT BRKR. FOR TRSFMR BANK #1
GENE REC HALL MODIFICATIONS - AMERICANS W/ DISABILITIES
GENE RESERVOIR DAM-REPAIR 42
GENE STORAGE BUILDING REPLACEMENT
GENE STORAGE WAREHOUSE REPLACEMENT
GENE TRANSFORMER PROTECTION
GENE TRASH RACK
GENE UNDERFREQUENCY RELAY UPGRADE
GENE VILLAGE- REMODEL HOUSE # 46 G
GENE VILLAGE -REMODEL WESTERN PORTION OF DORMITORY
GENE VILLAGE- WATER PIPELINE FOR FIRE PREVENTION
GENE VILLAGE: ADDITION TO GUEST LODGE
GENE VILLAGE: ADDITIONAL COTTAGES- MOVING AND REMODELING
GENE VILLAGE: RECREATIONAL HALL
GENE VILLAGE: SERVICE FACILITIES
GENE VILLAGE: SWIMMING AND WADING POOLS
GENE VILLAGE: TWO CARPORTS
GENE VILLAGE: WAREHOUSE
GENE WASH DAM AND APPURTENENT WORKS
GENE WASH RESERVOIRS DISCHARGE VALVE REHABILITATION
GENE WASH ROAD
GENE- WHITSETT WATER LINES
GENE, IRON & EAGLE MTN. VILLAGES- MOBILE HOMES (1/3 EACH)
GENERATOR, STANDBY ENGINE - GENE PUMP PLT CRA
GENERATOR,STANDBY- INTAKE PUMP PLANT-CRA
GENERATORS, STANDBY ENGINE - EAGLE & HINDS PUMP PLT (1/2 EACH)
GROUTING CALIFORNIA ABUTMENT
GUEST LODGE - GENE - CRA
HALF CAP CIRC. SIPHONS SCHEDULE 18A
HALF CAP CIRC. SIPHONS SCHEDULE 18J
HALF CAP CIRC. SIPHONS SCHEDULE 19A
HAYFIELD PUMPING PLANT: SWIMMING POOL
HAYFIELD ROAD
HAYFIELD TUNNEL NO. 1
HAYFIELD TUNNEL NO. 2
HAYFIELD VILLAGE: REBUILDING GARAGE, WORKSHOP & OIL HOUSE
HEADGATE OPERATORS & CIRCUIT BREAKERS REHAB.
HEADQUARTERS ELECTRICAL VEHICLE CHARGING STATION EXPANSION
HIGHLAND PIPELINE CLAIM
HIGHLAND PIPELINE CONSTRUCTION
HINDS CAMP FACILITIES-ADDITIONS
HINDS CAMP FACILITIES-PERMANENT QTRS
HINDS EAGLE & IRON MOUNTAINS STORAGE BUILDINGS
HINDS INTAKE CANAL
HINDS INTAKE SIPHON
HINDS PARKER DAM TELEPHONE LINE
HINDS PP UTILITIES AND PAVING
HINDS PUMP UNIT NO. 8 REFURBISHMENT

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Conveyance and Aqueduct Facilites

HINDS PUMPING PLANT BUILDING & CONTROL HOUSE
HINDS PUMPING PLANT DELIVERY PIPE EXPANSION JOINT PHASE 2
HINDS PUMPING PLANT DELIVERY PIPES
HINDS PUMPING PLANT DISCHARGE VALVE PIT PLATFORM REPLACEMENT
HINDS PUMPING PLANT DISCHARGE VALVE PLATFORM REPLACEMENT
HINDS PUMPING PLANT EQUIPMENT WASH AREA UPGRADES
HINDS PUMPING PLANT MISCELLANEOUS FEATURES
HINDS PUMPING PLANT PUMPING EQUIPMENT
HINDS PUMPING PLANT- REHAB. BANK #1, PHASE B, MAIN TRANSFORMER
HINDS PUMPING PLANT- REPLACE 230KV CIRCUIT BREAKER
HINDS PUMPING PLANT SCADA SYSTEM
HINDS PUMPING PLANT STANDBY GENERATOR REPLACEMENT
HINDS PUMPING PLANT SUMP REPAIRS
HINDS PUMPING PLANT, EQUIPMENT WASH AREA UPGRADE
HINDS PUMPING PLANT-REPLACE 2300 VOLT PARKWAY POWER CABLE
HINDS PUMPING PLT - REPLACE CIRCUIT BREAKER BANK # 2, MAIN TRANSFER
HINDS ROADWAYS
HINDS SAND TRAP
HINDS TRANSFORMER BANK PROTECTION RELAY REPLACEMENT
HINDS TRANSFORMER POWER CABLE REPLACEMENT
HINDS VILLAGE PAVING REPLACEMENT PROJECT
HINDS VILLAGE- REMODEL HOUSE #130H
HINDS VILLAGE- REMODEL HOUSE #149H
HINDS VILLAGE- SATELLITE TV ANTENNA SYSTEM
HINDS VILLAGE-PAVEMENT REPLACEMENT
HINDS WASTEWAY
HOLLYWOOD TUNNEL: REMODLG.CONTROL VALVE STRUCTURE AT N.PORTAL
HOOVER DAM PUMP PLANT TELEPHONE LINE
HOUSE AND GARAGE AT SAN JACINTO RESERVOIR
HOUSING - GENE VILLAGE
HYDROGRAPHIC EQUIPMENT
IM,EM,HP- REPLACE 2300 V STA.SERV.POWER CIRCUIT BREAKERS
INLAND FDR, ARROWHEAD TUNNELS REDESIGN
INLAND FDR, ARROWHEAD WEST TUNNEL CONSTRUCTION
INLAND FDR, CONTRACT 9, CONSTRUCTION OF RIVERSIDE PPLN SOUTH
INLAND FDR, OWNER CONTROLLED INSURANCE PROGRAM
INLAND FDR, REACH 4, RUSD PPLN
INLAND FDR-CNTR #1/DEVIL CYN-WATERMAN RD
INLAND FDR-CNTR #4-SOFT GRND TNL/SANTA ANA
INLAND FDR-CONT #8-PIPEL PARALLEL TO DAVIS RD
INLAND FDR-ENVIRON. MITIG.
INLAND FEEDER - RIGHT OF WAY AND EASEMENT PROCUREMENT
INLAND FEEDER AND LAKEVIEW PIPELING INTERTIE
INLAND FEEDER AULD VALLEY PRESSURE CONTROL STRUCTURE
INLAND FEEDER CONTINGENCY
INLAND FEEDER CONTRACT 1, DEVIL CANYON / WATERMAN RD
INLAND FEEDER COST OF LAND AND RIGHT OF WAY
INLAND FEEDER ENVIRONMENTAL MITIGATION
INLAND FEEDER GROUNDWATER MONITORING
INLAND FEEDER HIGHLAND PIPELINE CLAIMS COST
INLAND FEEDER HIGHLAND PIPELINE CONSTRUCTION
INLAND FEEDER HIGHLAND PIPELINE DESIGN
INLAND FEEDER MENTONE PIPELINE CONSTRUCTION
INLAND FEEDER MENTONE PIPELINE DESIGN
INLAND FEEDER MENTONE PIPELINE RUSD CONSTRUCTION
INLAND FEEDER OWNER CONTROLLED INSURANCE PROGRAM
INLAND FEEDER PRESSURE CONTROL STRUCTURE
INLAND FEEDER PROGRAM REMAINING BUDGET/CONTINGENCY
INLAND FEEDER PROJECT MANAGEMENT SUPPORT
INLAND FEEDER PURCHASE OF LAND AND RIGHT OF WAY
INLAND FEEDER RAISE BURIED STRUCTURES AND REALIGN DAVIS RD.
INLAND FEEDER REVERSE OSMOSIS PLANT
INLAND FEEDER RIVERSIDE BADLANDS TUNNEL CONSTRUCTION
INLAND FEEDER RIVERSIDE NORTH PIPELINE DESIGN
INLAND FEEDER RUSD CLAIMS DEFENSE
INLAND FEEDER STUDIES
INLAND FEEDER STUDY
INLAND FEEDER UNDERGROUND STORAGE TANK REMOVAL & ABOVEGROUND STORAGE TANK INSTALLATION
INLAND FEEDER, ARROWHEAD EAST TUNNEL
INLAND FEEDER, ARROWHEAD TUNNELS CONSTRUCTION
INLAND FEEDER, ARROWHEAD TUNNELS REDESIGN
INLAND FEEDER, ARROWHEAD WEST TUNNEL
INLAND FEEDER, CONTRACT #5, OPAL AVENUE PORTAL / BADLANDS TUNNEL
INLAND FEEDER, CONTRACT #7, RIVERSIDE NORTH PIPELINE CONSTRUCTION
INLAND FEEDER, CONTRACT 2, EAST SAN BERNARDINO TUNNEL / PORTALS
INLAND FEEDER, CONTRACT 4, SOFT GROUND TUNNEL / SANTA ANA
INLAND FEEDER, CONTRACT 5, OPAL AVENUE PORTAL / BADLANDS TUNNEL
INLAND FEEDER, CONTRACT 6, GILMAN SPRINGS PORTAL / BADLAND TUNNEL
INLAND FEEDER, CONTRACT 7, RIVERSIDE NORTH PIPELINE CONSTRUCTION
INLAND FEEDER, CONTRACT 8, PIPELINE PARALLEL TO DAVIS ROAD
INLAND FEEDER, CONTRACT 9, CONSTRUCTION OF RIVERSIDE PIPELINE SOUTH
INLAND FEEDER, COST OF LAND AND RIGHT OF WAY
INLAND FEEDER, ENVIRONMENTAL MITIGATION
INLAND FEEDER, HIGHLAND PIPELINE DESIGN
INLAND FEEDER, MENTONE PIPELINE
INLAND FEEDER, OWNER CONTROLLED INSURANCE PROGRAM
INLAND FEEDER, PROGRAM MANAGEMENT
INLAND FEEDER, REACH 4, RUSD PIPELINE
INLAND FEEDER, RIGHT OF WAY AND EASEMENT PROCUREMENT
INLAND FEEDER, RIVERSIDE NORTH AND SOUTH PIPELINES, CATHODIC PROTECTION
INLAND FEEDER, THORNE WELL FIELD REVERSE OSMOSIS INSTALLATION
INLAND FEEDER/SBMWD HIGHLAND INTERTIE BYPASS LINE REHAB
INSTRUMENTS & PANELS - INTAKE, IRON, EAGLE & HINDS - (1/4 EACH)

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Conveyance and Aqueduct Facilites

INTAKE & GENE PUMPING PLANTS-REPLC. MOTOR AIR COOLER WATER BOXES
INTAKE AND GENE PUMPING PLANTS 480 V AND 2400 V STANDBY DIESEL ENGINE GENERATOR REPLACEMENT
INTAKE POWER AND COMMUNICATION LINE RELOCATION
INTAKE POWER AND COMMUNICATIONS LINE RELOCATION
INTAKE PPLANT - POWER & COMMUNICATION LINE REPLACEMENT
INTAKE PUMP PLANT ROAD IMPROVEMENTS
INTAKE PUMP PLANT, 69KV SWITCHYARD
INTAKE PUMPING PLANT - COOLING AND REJECT WATER DISCHARGE TO LAKE HAVASU
INTAKE PUMPING PLANT 2.4KV PWER LINE RELOCATION
INTAKE PUMPING PLANT AUTOMATION PROGRAMMING
INTAKE PUMPING PLANT INSTRUMENTATION REPLACEMENT
INTAKE PUMPING PLANT INSTRUMENTATION REPLACEMENT & AUTOMATION
INTAKE PUMPING PLANT INSTRUMENTATION REPLACEMENT & AUTOMATION (4 PLANTS)
INTAKE PUMPING PLANT INSTRUMENTATION REPLACEMENT AND AUTOMATION
INTAKE PUMPING PLANT POWER & COMMUNICATION LINE REPLACEMENT
INTAKE PUMPING PLANT REPLACE STA SERV RACK CIRCUIT BREAKERS
INTAKE PUMPING PLANT SCADA SYSTEM
INTAKE PUMPING PLANT STANDBY GENERATOR REPLACEMENT
INTAKE PUMPING PLANT TRANSFORMER SECURITY SCREEN
INTAKE PUMPING PLANT: TWO HOUSES WITH GARAGES
INTAKE PUMPING PLANT-REPLACE STANDBY GENERATOR
INTAKE UTILITIES AND PAVING
INTAKE,GENE,& IRON MTN. - REPL VIBRATING MONITORING SYSTEM
IOC - ALL PUM P PLANTS, BRIDGE CRANE AND SEISMIC RESTRAINTS
IOC - ALL PUMP PLTS, MODIFY STATIONARY POWER SUPPLY SYSTEM
IOC - ALL PUMPING PLANTS, HYPOCHLORINATION SYSTEM
IOC - ALL PUMPING PLANTS, REPLACE DOMESTIC WATER TREATMENT SYSTEMS
IOC - CRA , ALL PUMP PLTS, REPL.THERMOMETERS/RECORDERS IN CONTROL ROOM
IOC - CRA PUMP PLANTS, ONLINE INSTR FOR MICROFILT UNIT
IOC - CRA WATER DESALINATION
IOC - CRA, ALL PUMP PLANTS, REHAB PERF TEST
IOC - CRA, INSTALL WATER LEVEL ALARM SYSTEM AT CACTUS CITY (MILE 147)
IOC - CRA, INSTALL WATER LEVEL ALARM SYSTEM AT FAN HILL (MILE 168)
IOC - CRA, MILE 12 SIPHONS, INSTALL ACCOUSTIC FLOWMETERS
IOC - CRA, REPLACE FLOWMETER INSTRUMENTS, 5 PUMPING PLANTS
IOC - CRA, WATER STORAGE IN DESERT GROUNDWATER BASIN, STUDY
IOC - DESERT FACILITIES, FIRE PROTECTION UPGRADE
IOC - EAGLE AND HINDS PUMPING PLANTS, REPL VIBRATON MONITORING SYSTEM
IOC - EAGLE MTN & HINDS PUMPING PLTS, SERVICE PLATFORMS & ACCESS LADDER
IOC - EAGLE MTN VILLAGE ASPHALT REMOVAL, REGRADE, AND REPLACE
IOC - EAGLE/HINDS PUMPING PLANTS, REHAB 2 MAIN TRANSFORMERS
IOC - GENE PUMPING PLANT, CONSTRUCT HEADGATE STAIRWAY
IOC - GENE PUMPING PLANT, CONSTRUCT ROAD TO HEAD GATE HOUSE
IOC - GENE PUMPING PLANT, CONSTRUCT SPARE PARTS WAREHOUSE
IOC - GENE PUMPING PLANT, MODIFY AND EXPAND OFICE BUILDING
IOC - GENE PUMPING PLANT, PREFABRICATED AIRCRAFT HANGAR
IOC - GENE PUMPING PLANT, REPL 230 KV CIRCUIT BREAKER ON TRANSFORMER BANK 1
IOC - GENE PUMPING PLANT, REPLACE POWER CABLE AT HEAD GATE
IOC - GENE PUMPING PLANT, SPECIAL MECHANICAL MAINTENANCE SHOP ADDITION
IOC - GENE VILLAGE, REMODEL HOUSE 46G
IOC - GENE, IRON & EAGLE PUMP PLTS, INSTALL FLOW METERS
IOC - HINDS PUMPING PLANT, REHAB BANK 1, PHASE B, MAIN TRANSFORMER
IOC - HINDS PUMPING PLANT, REPLACE 230KV CIRCUIT BREAKER
IOC - HINDS VILLAGE ASPHALT REMOVAL, REGRADE, AND REPLACE
IOC - HINDS VILLAGE, REMODEL HOUSE 130H
IOC - HINDS VILLAGE, REMODEL HOUSE 149H
IOC - HINDS VILLAGE, SATELLITE TV ANTENNA SYSTEM
IOC - INLAND FEEDER
IOC - INTAKE PUMP PLANT, 69KV SWITCHYARD
IOC - IRON MOUNTAIN VILLAGE, REMODEL DORMITORY
IOC - IRON MOUNTAIN VILLAGE, SATELLITE TV ANTENNA SYSTEM
IOC - IRON MTN, EAGLE MTN, HINDS, REPLACE 2300V STA SERV POWER CIRCUIT BREAKERS
IOC - IRON MTN, WAREHOUSE BLDG, MEZZ CONSTRUCTION
IOC - IRON, EAGLE, GENE, HINDS, HEAT EXCHANGER ON TRANSFORMERS
IOC - LAKE PERRIS AREA STUDY
IOC - LAKE PERRIS PUMPBACK FACILITY, EXPANSION 2
IOC - SAN JACINTO TUNNEL, WEST PORTAL SEISMIC MODS
IOC - SEISMIC MODS, ALL PUMP PLTS
IRON AND EAGLE PUMP PLANT RESERVOIR SPILLWAY AUTO REJECTION
IRON MOUNTAIN & EAGLE MOUNTAIN 230KV TRANSMISSION LINE PILOT RELAY
IRON MOUNTAIN 2400 V STANDBY DIESEL ENGINE GENERATOR REPLACEMENT
IRON MOUNTAIN AUXILIARY POWER SYSTEM REHABILITATION
IRON MOUNTAIN CAMP FACILITIES- TWO COTTAGES (CONT 579, SPEC 431)
IRON MOUNTAIN CAMP FACILITIES-ADDITIONS
IRON MOUNTAIN CAMP FACILITIES-OIL STORAGE HOUSE
IRON MOUNTAIN CAMP FACILITIES-PERMANENT QTRS
IRON MOUNTAIN COLORADO RIVER WATER LINE
IRON MOUNTAIN GENERATOR REPLACEMENT
IRON MOUNTAIN HAZARDOUS WASTE CONTAINMENT
IRON MOUNTAIN INTAKE CANAL
IRON MOUNTAIN INTAKE SIPHONS
IRON MOUNTAIN O&M EQUIPMENT PARKING CANOPY
IRON MOUNTAIN PLANT- REPLACEMENT OF STAND-BY GENERATOR
IRON MOUNTAIN PUMPING PLANT
IRON MOUNTAIN PUMPING PLANT BUILDING & CONTROL HOUSE
IRON MOUNTAIN PUMPING PLANT DELIVERY LINE NO. 1 RELINING
IRON MOUNTAIN PUMPING PLANT DELIVERY PIPES
IRON MOUNTAIN PUMPING PLANT HOUSING REPLACEMENT
IRON MOUNTAIN PUMPING PLANT MISCELLANEOUS FEATURES
IRON MOUNTAIN PUMPING PLANT PUMPING EQUIPMENT
IRON MOUNTAIN PUMPING PLANT- RELOCATE T.V. ANTENNA
IRON MOUNTAIN PUMPING PLANT- RETUBE MOTOR AIR COOLERS- UNITA 4 & 5
IRON MOUNTAIN PUMPING PLANT- RPLC.TUBES IN MOTOR AIR COOLERS 1,2 & 3

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Conveyance and Aqueduct Facilites

IRON MOUNTAIN PUMPING PLANT SCADA SYSTEM
IRON MOUNTAIN PUMPING PLANT, DELIVERY PIPE EXPANSION JOINT REPAIRS
IRON MOUNTAIN PUMPING PLANT: FAMILY RESIDENCE & GUEST QUARTERS
IRON MOUNTAIN- REPLACE DAMAGED FACILITITES
IRON MOUNTAIN RESERVOIR
IRON MOUNTAIN ROAD
IRON MOUNTAIN SAND TRAP
IRON MOUNTAIN SERVICE PIT REHABILITATION
IRON MOUNTAIN SERVICE PLT REHABILITATION
IRON MOUNTAIN TRANSFORMER BANK PROTECTION RELAY REPLACEMENT
IRON MOUNTAIN TUNNEL, EAST PORTION
IRON MOUNTAIN TUNNEL, WEST PORTION
IRON MOUNTAIN VILLAGE -REMODEL DORMITORY
IRON MOUNTAIN VILLAGE- REPLACE SEWAGE DISPOSAL
IRON MOUNTAIN VILLAGE- SATELLITE TV ANTENNA SYSTEM
IRON MOUNTAIN WASTEWAY
IRON MOUNTAIN, TRANSFORMER OIL TANK RELOCATION
IRON MOUNTAN & EAGLE MOUNTAIN 230kV TRANSMISSION LINE PILOT RELAY
IRON MT. AUXILARY POWER SYSTEM REHABILIATION AND UPGRADE
IRON MTN - WAREHOUSE BLDG, MEZZ CONSTRUCTION
IRON MTN. VILLAGE - REMODEL DORMITORY
IRON/EAGLE/GENE/HINDS- HEAT EXCHANGER ON TRANSFORMERS
IRON/EAGLE/GENE/HINDS- HEAT EXCHANGER ON TRANSFORMERS (1/4 EACH)
IRON/EAGLE/HINDS DELIVERY LINE SUPPORT REPAIRS
IRON/HINDS - REPLACE PHONE SYSTEM
IRON-EAGLE MTN. 230 KV TRANSMISSION LINE PILOT RELAY
JULIAN HIND PUMP PLT - DEMOLISH HOUSE 36H & 37H
JULIAN HINDS PUMPING PLANT DELIVERY PIPE EXPANSION JOINT PHASE 2 REPAIRS
JULIAN HINDS PUMPING PLANT DELIVERY PIPE EXPANSION JOINT PHASE I REPAIR
JULIAN HINDS PUMPING PLANT DELIVERY PIPE EXPANSION JOINT PHASE REPAIR
LAKE MATHEWS FOREBAY & HEADWORK FACILITY & EQUIPMENT
LAKE MATHEWS ICS
LAKE MATHEWS INLET CHANNEL (SCH 23A; SPEC 82)
LAKE MATHEWS INTERIM CHLORINATION SYSTEM
LAKE MATHEWS LA VERNE TELEPHONE LINE
LAKE PERRIS AREA STUDY
LAKE PERRIS BYPASS PIPELINE EXPLORATORY EXCAVATION
LAKE SKINNER - OUTLET CONDUIT FLOWMETER INSTALLATION
LAKE SKINNER BYPASS PIPELINE NO. 2 CATHODIC PROTECTION
LAKE SKINNER OUTLET CONDUIT
LAKEVIEW BEAUMONT TELEPHONE LINE
LAKEVIEW PIPELINE LEAK REPAIR AT STA. 2510+49
LAKEVIEW PIPELINE REPAIRS PHASE 1 - BERNASCONI TUNNEL LINING
LAVERNE FACILITIES - EMERGENCY GENERATOR
LAVERNE FACILITIES - MATERIAL TESTING
LAWRENCE ADIT POWER LINE
LIGHTING, CONTROL ROOM - EAGLE MOUNTAIN & HINDS PUMP PLT
LITLE MORONGO CIRCULAR SIPHON
LOWER FEEDER EROSION PROTECTION
MAGAZINE CANYON - VALVE REPLACEMENT FOR SAN FERNADO TUNNEL (STATION 778+80)
MAGAZINE CANYON OIL & WATER SEPARATOR
MAGAZINE CANYON OIL/WATER SEPARATOR
MAINTENANCE SHOP, GENE CMP - CRA
MATHEWS/DESERT-DOMESTIC WATER SYSTEM STUDY
MECCA PASS COLORADO RIVER PASS
MECCA PASS IRON MOUNTAIN WATER LINE
MECCA PASS TUNNELS
MENTONE PIPELINE, RUSD, DEFENSE OF CLAIM
MENTONE PPLN, RUSD, DEFENSE OF CLAIM
MESS HALL BUILDING - IRON MOUNTAIN
MILE 12 FLOW AND CHLORINE MONITORING STATION UPGRADES
MILE 12 POWER LINE & FLOW MONITORING EQUIPMENT STUDY
MILIGAN SALT HAUL ROAD
MILLS PLANT SUPPLY PUMP STATION STUDY
MINOR CAP FY 2011/12
MINOR CAPITAL PROJECTS FOR FY 1989/90 - EAGLE MTN PUMPING PLANT
MINOR CAPITAL PROJECTS FOR FY 1989/90 - GENE PUMPING PLANT
MINOR CAPITAL PROJECTS-EAGLE MTN VILLAGE, ASPHALT, REMOVE, REGRADE, REPL
MINOR CAPITAL PROJECTS-GENE INDUST AREA, INSTALL 2300V SVC
MINOR CAPITAL PROJECTS-GENE, IRON & EAGLE PUMP PLTS, INSTALL FLOW METERS
MINOR CAPITAL PROJECTS-HINDS VILLAGE, ASPHALT, REMOVE, REGRADE, REPL
MISCELLANEOUS
MISCELLANEOUS WATER SYSTEM ADDITIONS
MODIFY STRUCTURE EAST WIDE CANYON SIPHON
MORONGO MECCA PASS WATER LINE
MOTOR AIR COOLERS - IRON MTN PUMP PLT - CRA
MOTOR BREAKER FAULTY (5 PPLANTS)
NEW HOUSE AT HINDS PUMP PLANT VILLAGE
NEWHALL TUNNEL - REPAIR STEEL LINER
NEWHALL TUNNEL - UPGRADE LINER SYSTEM
NITROGEN STORAGE STUDY AT DVL, INLAND FEEDER PC-1, AND LAKE MATHEWS
OC 44 SERVICE CONNECTIONS & EOC#2 METER ACCESS ROAD REPAIR
OC 88 PUMP PLANT FIRE PROTECTION STUDY
OC-71 SERVICE CONNECTION REPAIRS
OFFICE BUILDING - IRON MOUNTAIN
OLINDA PCS FACILITY REHABILITATION AND UPGRADE
OLINDA PRESSURE CONTROL STRUCTURE FACILITY REHABILITATION AND UPGRADE
OPERATION OF DORMITORY BY USBR
ORANGE COUNTY 44 SERVICE CONNECTIONS & EOC#2 METER ACCESS ROAD REPAIR
ORANGE COUNTY 88 PUMP PLANT FIRE PROTECTION STUDY
OVERALL ASSESSMENT OF DELIVERY LINES
OVERHAUL PUMPS 1,2, &3 EAGLE MOUNTAIN
OVERHAUL PUMPS 1,2, &3 GENE

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Conveyance and Aqueduct Facilites

OVERHAUL PUMPS 1,2, &3 HINDS
OVERHAUL PUMPS 1,2, &3 IRON MOUNTAIN
OVERHAUL PUMPS 1,2, &3 WHITSETT
OWNER CONTROLLED INSURANCE PROGRAM
P103253 CRA PUMP WELLS CONVERSION AND BLOW-OFF REPAIR
P103260 CRA ELECTRICAL GENE PUMP PLT REPLACE 6.9 KV TRANSFORMER BUSHINGS
P103741 CRA PUMPING PLANT VULNERABILITY ASSESSMENT
P103942 BLACK METAL MOUNTAIN, ELECTRICAL TRANSFORMER UPGRADE
P104244 IRON MOUNTAIN PUMPING PLANT, DELIVERY PIPE EXPANSION JOINT REPAIRS
P104506 IRON/EAGLE/HINDS DELIVERY LINE SUPPORT REPAIRS
P104755 CRA HOUSING IMPROVEMENTS - ADDITION OF TEN NEW HOUSES
P104875 SECOND LOWER FEEDER PCCP REHABILITATION
P104887 SECURITY SYSTEM UPGRADE PROJECT
P105000 SWITCH HOUSE DOORS AT EAGLE, MOUNTAIN & IRON MOUNTAIN
P105008 PHYSICAL SECURITY CONTROLS FOR THE IRON MOUNTAIN
P105015 IRON MOUNTAIN O&M EQUIPMENT PARKING CANOPY
P105033 GENE INLET SURGE CHAMBER ACCESS IMPROVEMENTS
P105082 IRON-EAGLE MTN. 230 KV TRANSMISSION LINE PILOT RELAY
P105159 EAGLE MOUNTAIN 230KV LOCAL BREAKER FAILURE BACKUP
P105180 CRA WHIPPLE MOUNTAIN TUNNEL
P105185 EAGLE MOUNTAIN CRA EMPLOYEE HOUSING, MANUFACTURED HOMES
P105208 CRA PUMPING PLANTS SCADA NETWORK MAIN SWITCH REPLACEMENT
P105209 CRA PUMPING PLANT STATION BATTERY REPLACEMENT
P105214 EAGLE MOUNTAIN CRA HOUSING, FENCING IMPROVEMENTS
PALO VERDE VALLEY LAND PURCHASE - 16,000 ACRES
PALOS VERDES FEEDER REHABILITATION OF DOMINGUEZ CHANNEL
PALOS VERDES RESERVOIR SPILLWAY MODIFICATION
PARKER POWER FLOATING BULKHEAD GATE
PARKER POWER PLANT- AUTOMATION
PARKER POWER PRELIMINARY STUDIES AND DESIGN
PARKER POWER TESTING AND BORING
PARKER POWER, DIVERSION, OUTLET WORKS & POWER HOUSE SUBSTRUCTURE
PARKER POWERHOUSE STUDIES
PARKER POWERHOUSE SUPERSTRUCTURE
PARKWAY CABLE 2300 VOLT - HINDS PUMP PLT
PERMANENT BUILDING AT CAMINO STATION
PERRIS VALLEY SIPHON SCHEDULE 22
PHYSICAL SECURITY CONTROLS FOR IRON MOUNTAIN
POWER SYSTEM OPERATION
POWER SYSTEMS SURVEYS
PRELIMINARY OPERATION (1939-1940)
PRELIMINARY OPERATION (1941)
PRELIMINARY OPERATION - TESTING & CONDITIONING (1941)
PRELIMINARY OPERATIONS
PRELIMINARY PARKER POWER SURVEYS
PROJECT MANAGEMENT SUPPORT
PROTECTION- ACQUEDUCT AND DISTRIBUTION SYSTEM
PUDDINGSTONE RADIAL GATE REHABILITATION
PUMP UNIT NO.6 EAGLE MOUNTAIN
PUMP UNIT NO.6 GENE (SPEC 503)
PUMP UNIT NO.6 HINDS
PUMP UNIT NO.6 IRON MOUNTAIN
PUMP UNIT NO.6 VARIOUS CREDITS
PUMP UNIT NO.6 WHITSETT (SPEC 503)
PUMPING EQUIPMENT
PUMPING EQUIPMENT - VARIOUS PLANTS (RETIRED IN 60/63/67)
PUMPING PLANT BLDG. ENLARGEMENT FOR UNITS 6-9: INTAKE PUMPING PLNT.-EAGLE
PUMPING PLANT BLDG. ENLARGEMENT FOR UNITS 6-9: INTAKE PUMPING PLNT.-GENE
PUMPING PLANT BLDG. ENLARGEMENT FOR UNITS 6-9: INTAKE PUMPING PLNT.-HAYFIELD
PUMPING PLANT BLDG. ENLARGEMENT FOR UNITS 6-9: INTAKE PUMPING PLNT.-INTAKE
PUMPING PLANT BLDG. ENLARGEMENT FOR UNITS 6-9: INTAKE PUMPING PLNT.-IRON
PUMPING PLANT DELIVERY LINE NO.3-EAGLE (ALLOC0
PUMPING PLANT DELIVERY LINE NO.3-GENE (ALLOC)
PUMPING PLANT DELIVERY LINE NO.3-HINDS (ALLOC)
PUMPING PLANT DELIVERY LINE NO.3-INTAKE (ALLOC0
PUMPING PLANT DELIVERY LINE NO.3-IRON (ALLOC)
PUMPING PLANT EXPANSION UNITS 7,8 & 9 WHITSETT
PUMPING PLANT EXPANSION UNITS 7,8 & 9 EAGLE
PUMPING PLANT EXPANSION UNITS 7,8 & 9 GENE
PUMPING PLANT EXPANSION UNITS 7,8 & 9 GENERAL
PUMPING PLANT EXPANSION UNITS 7,8 & 9 GENERAL (SPEC 547)
PUMPING PLANT EXPANSION UNITS 7,8 & 9 HINDS
PUMPING PLANT EXPANSION UNITS 7,8 & 9 IRON
PUMPING PLANT EXPANSION UNITS 7,8 & 9 VARIOUS
PUMPING PLANT EXPANSION UNITS 7,8 & 9 WHITSETT
PUMPING PLANTS EXPANSION UNITS NO. 4 &5 INCL. DELIVERY LINE # 2-EAGLE (ALLOC)
PUMPING PLANTS EXPANSION UNITS NO. 4 &5 INCL. DELIVERY LINE # 2-GENE (ALLOC)
PUMPING PLANTS EXPANSION UNITS NO. 4 &5 INCL. DELIVERY LINE # 2-HINDS (ALLOC)
PUMPING PLANTS EXPANSION UNITS NO. 4 &5 INCL. DELIVERY LINE # 2-INTAKE (ALLOC)
PUMPING PLANTS EXPANSION UNITS NO. 4 &5 INCL. DELIVERY LINE # 2-IRON (ALLOC)
PURCHASE OF LAND AND RIGHT OF WAY
QUAGGA MUSSEL STUDY
R&R FOR CRA
RADIO COMMUNICATION EQUIPMENT,CHUCKAWALLA PEAK-CRA
RADIO COMMUNICATION EQUIPMENT,SANTIAGO PEAK-CRA
RECREATION HALL - CAMINO SWITCHING STATION
RECREATION HALL, HINDS & EAGLE MTN - CRA (1/2 EACH)
RECREATIONAL FACIL.AT EAGLE, IRON, HAYFIELD PUMPING PLNTS & CAMINO
RECREATIONAL FACILITIES AT IRON, EAGLE AND HAYFIELD PUMPING PLANTS
RED MOUNTAIN POWER PLANT REHABILITATION
RED MOUNTAIN, OCTOBER 2007 FIRE DAMAGE, COMMUNICATION POWER TOWERS
RELAY PANELS, ALL PLANTS - CRA
REMODEL & ENLARGE TEN DISTRICT HOUSES - CRA

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Conveyance and Aqueduct Facilites

REMODEL DORMITORY-EAGLE MTN VILLAGE
REMODEL WESERN PORTION OF DORMITORY, GENE VILLAGE
REPAIR DETERIORATED JOINTS IN CRA LAKEVIEW SIPHON
REPAIR GATEHOUSE ANCHOR BLOCK- HINDS PLT
REPAIR PUMP UNITS GENERAL
REPAIR UPPER FEEDER LEAKING EXPANDSION JOINT
REPAIRS TO TUNNELS
REPLACE 240KV/69KV OIL CIRCUIT BREAKERS AT ALL PUMPING PLTS
REPLACE AIR CIRCUIT BREAKERS,UNIT 1 THRU 6 AT ALL FIVE PLANTS (1/5 EACH)
REPLACE DOMESTIC WATER SUPPLY - VARIOUS LOCATION
REPLACE DOMESTIC WATER SYSTEM
REPLACE HOUSES AND SHOPS AT PUMP PLANTS
REPLACE INSTR. PANEL-INTAKE IRON, EAGLE, AND HINDS (1/4 EACH)
REPLACE WATER FLOWMETER INDICATORS
REPLACING STORAGE BATTERIES
REROUTING TELEPHONE LINE AT PALM SPRING
RESIDENCE 131-W - EAST SIDE CANYON
RESIDENCE 141-V - VIDAL
RESIDENCE 145-C - COXCOMB
RESIDENCES - 2 AT GENE VILLAGE
RESIDENCES - 4 AT GENE & 1 AT IRON MOUNTAIN - CRA
RETIRED BANNING-VALVERDE TELEPHONE LINE
RETIRED LAKE MATHEWS-LA VERNE TELEPHONE LINE
RETIRED LAKEVIEW-BEAUMONT TELEPHONE LINE
RETIRED SALT LOADING DOCK REPLACED BY E & A 271
RETIRED TELEPHONE LINE AT PALM SPRINGS
RETIRED VALVERDE-LAKE MATHEWS TELEPHONE LINE
RETUBE 24 AIR COOLERS FOR MOTORS,INTAKE P.P & GENE P.P
RETUBE COOLERS UNITS 4 & 5, CREDITS-GENE (SPEC 567)
RETUBE COOLERS UNITS 4 & 5, GENE (SPEC 567)
RETUBE COOLERS UNITS 4 & 5, WHITSETT (SPEC 567)
RETUBE MOTOR AIR COOLERS - HINDS AND EAGLE (1/2 EACH)
RIALTO FEEDER REPAIR @ STA. 3662+23
RIALTO FEEDER REPAIR OF ANOMALOUS PIPE SECTION
RIALTO PIPELINE CB-12 ND CB-16 VALVE REPLACEMENT
RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM - COLORADO RIVER AQUEDUCT
RIVERSIDE BADLANDS TUNNEL CONSTRUCTION
RIVERSIDE BRANCH - ALESSANDRO BLVD. LEFT LAND TURN LANE
RIVERSIDE BRANCH - CONSTRUCTION OF CONTROL PANEL DISPLAY WALL
RIVERSIDE NORTH PIPELINE DESIGN & CONSTRUCTION
RIVERSIDE SOUTH PIPELINE CONSTRUCTION
ROAD MAINTENANCE
ROAD SURVEYS
ROADS FOR TRANSMISSION LINE SURVEYS
RPLCMT.OF TUBES IN 38 MTR.AIR COOLERS ON UNITS 1,2&3-EAGLE & HAYFIELD
SALT LOADING DOCK AT MILIGAN- NEAR DANBY DRY LAKE (REPLACE)
SALT PRODUCTION PLANT
SAN DIEGO PIPELINE REPAIR AT STATION 1268+57
SAN FERNANDO TUNNEL STATION 778+80 VALVE REPLACEMENT
SAN GABRIEL TOWER SEISMIC ASSESSMENT
SAN JACINTO RESERVOIR SERVICE INTERTIE
SAN JACINTO RESERVOIR-FISH SCREENS AND CHLORINE EQUIPMENT
SAN JACINTO TUNNEL
SAN JACINTO TUNNEL EAST ADIT REHABILITATION
SAN JACINTO TUNNEL SUBSTATIONS
SAN JACINTO TUNNEL, WEST PORTAL
SAN JACINTO TUNNEL,WEST PORTAL SEISMIC MODIFICATION
SAN JACINTO TUNNEL: ADDITIONAL GROUTING
SAN JACINTO TUNNEL: EXPANSION OF SIPHONS (EAST OF TUNNEL)
SAN JACINTO TUNNEL:SECOND BARREL OF CASA LOMA SIPHONS
SAN JOAQUIN RESERVOIR - NEW DESIGN
SAN JOAQUIN RESERVOIR IMPROVEMENT- FLOATING COVER
SAN JOAQUIN RESERVOIR IMPROVEMENTS
SAN JOAQUIN RESERVOIR IMPROVEMENTS STUDY
SAN TIMOTEO CANYON POWER LINES
SAND TRAP CLEANING EQUIPMENT AND TRAVELING CRANE STUDY
SAND TRAP STUDY
SANTA ANA RIVER BRIGDE SEISMIC RETROFIT
SANTIAGO TOWER ACCESS ROAD UPGRADE
SANTIAGO TOWER PATROL ROAD REPAIR
SD5 REPAIR
SECOND 230KV TRANSMISSION LINE (SPEC 570)
SECOND LOWER FEEDER STRAY CURRENT MITIGATION SYSTEMS REFURBISHMENT
SECURITY FENCING AT OC-88 PUMPING PLANT
SECURITY SYSTEM UPGRADE PROJECT
SEISMIC EVALUATION OF CRA STRUCTURES
SEISMIC MODS-ALL 5 PUMP PLT BLDG
SEISMIC MODS-DISCHRG PIPLN-ALL PUMPING PLTS
SEISMIC PROGRAM
SEISMIC UPGRADE OF 11 FACILITIES OF THE CONVEYANCE & DISTRIBUTION SYSTEM
SEPULVEDA FEEDER CORROSION INTERFERENCE MITIGATION
SEPULVEDA FEEDER REPAIR AT STATION 1099
SEPULVEDA FEEDER STRAY CURRENT MITIGATION SYSTEM REFURBISHMENT
SERVICE CONNECTION & EOCF #2 METER ACCESS ROAD UPGRADE & BETTERMENT
SERVICE CONNECTION DWCV-2T VALVES REPLACEMENT AND STUCTURE CONSTRUCTION
SHAVERS SUMMIT ROAD ADVANCE
SKINNER BR - IMPROVE CABAZON RADIAL GATE FACILITY
SKINNER BRANCH, CASA LOMA CANAL ACOUSTIC METER
SKINNER BRANCH, CASA LOMA SIPHON, BARREL ONE BULKHEAD
SKINNER ELECTRICAL EQUIPMENT BUILDING 1 & 2
STANDBY GENERATOR - IRON MOUNTAIN
STANDBY POWER LINE GENE PUMP PLANT - CRA
STATION SERVICE RACKS, GENE PUMP PLT- CRA

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description	
Conveyance and Aqueduct Facilites	
SUBSTATION OPERATORS QUARTERS	
SUCTION & DISCHARGE LINES EXPANSION JOINT STUDY	
SURVEYS	
SVC CONNECT 2ND LOWER FEEDER STA1554+00-1568+50	
SVC CONNECT CRA EAGLE MTN LANDFILL STA 5585+00-5850+00	
SVC CONNECT OC FEEDER OC-28A	
SWITCH HOUSE DOORS AT EAGLE MOUNTAIN & IRON MOUNTAIN	
SWITCHYARDS AND HEAD GATES REHAB	
TELEPHONE EQUIPMENT AT BANNING	
TELEPHONE EQUIPMENT AT CAMPS	
TELEPHONE LINE OPERATION (1941)	
TELEPHONE LINE SURVEYS	
TELEPHONE SYSTEM- GENE,IRON, EAGLE AND HINDS	
TELEPHONE SYSTEM OPERATION (1933-34)	
TELEPHONE SYSTEM OPERATION (1935-40)	
TEMESCAL HYDRO-ELECTRIC PLANT ACCESS ROAD UPGRADE	
TEMESCAL POWER PLANT ACCESS ROAD PAVING	
TEMPORARY EMPLOYEE LABOR SETTLEMENT (CARGILL)	
TEN HOUSES - PUMP PLTS	
TRANSFORMER OIL & CHEMICAL UNLOADING PAD CONTAINMENT	
TRANSFORMER OIL AND SODIUM HYPOCHLORITE CONTAINMENT PROJECT	
TRANSMISION LINE PATROL ROADS	
TRANSMISION LINE SURVEYS	
TRANSMISSION LINE GROUNDING SYSTEM	
TRANSMISSION LINE PRELIMINARY OPERATION (1941)	
TRANSMISSION LINE PRELIMINARY OPERATION (1938-1940)	
TUNNEL WATER INVESTIGATIONS	
TV FACILITIES- EAGLE MOUNTAIN PUMPING PLANT	
TV FACILITIES- GENE PUMPING PLANT	
TV FACILITIES- HINDS PUMPING PLANT	
TV FACILITIES- IRON MOUNTAIN PUMPING PLANT	
TV FACILITIES- VARIOUS PUMPING PLANTS	
U.S. BUREAU OF LAND MANAGEMENT LAND ACQUISITION	
UPPER FEEDER CATHODIC PROTECTION SYSTEM	
UPPER FEEDER GATES REHABILITATION PROJECTS	
UPPER FEEDER LEAKING EXPANDSION JOINT REPAIR	
VAL VERDE TUNNEL	
VALLEY BRANCH - PIPELINE CORROSION TEST STATION	
VALVERDE TO LAKE MATHEWS TELEPHONE LINE	
VARIOUS POWER LINE EXTENSIONS	
VARIOUS SPUR TELEPHONE LINES	
VENTILATION SYSTEM,CABLE TUNNEL - GENE PUMP PLANT - CRA	
VIDAL WELLS PATROLMAN"S CAMP	
VOLTAGE REGULATING & SWITCHING EQUIPMENT	
W. PORTAL SAN JACINCTO TUNNEL: ONE HOUSE WITH GARAGE	
WASTEWATER SYSTEM REHABILITATION	
WASTEWATER SYSTEM REHABILITATION - GENE/IRON MTN	
WASTEWATER SYSTEM REHABILITATION - HINDS/EAGLE MTN	
WATER FLOWMETER, INDICATORS & LIMIT TOTALIZERS - ALL PUMP PLT-CRA (1/5 EACH)	
WATER METERS AND MOVING MAINS	
WATER SYSTEM - CAMINO SWITCHING STATION	
WATER SYSTEM OPERATION	
WATER SYSTEM SURVEYS	
WATER TANKS PUMPS	
WATER TANKS PUMPS ETC	
WATER TREATMENT FACILITIES	
WEST EAGLE MOUNTAIN TUNNEL, EAST PORTION	
WEST EAGLE MOUNTAIN TUNNEL, WEST PORTION	
WEST VALLEY FEEDER #2 CATHODIC PROTECTION SYSTEM REHABILITATION	
WHIPPLE MOUNTAIN TUNNEL	
WHIPPLE SPILLWAY	
WHITE WATER SIPHON PROTECTION	
WHITEWATER EROSION PROTECTION STRUCTURE REHABILITATION	
WHITEWATER SIPHON EROSION PROTECTION	
WHITEWATER SIPHON PROTECTION STRUCTURE	
WHITEWATER TUNNELS	
WHITSETT PUMPING PLANT BUILDING & CONTROL	
WHITSETT PUMPING PLANT DELIVERY PIPES	
WHITSETT PUMPING PLANT FENCING	
WHITSETT PUMPING PLANT MISCELLANEOUS FEATURES	
WHITSETT PUMPING PLANT PUMPING EQUIPMENT	
Sub-total Conveyance and Aqueduct facilities costs	***$ 90,887,289***

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

102723 ALL FACILITIES, INSPECTION AND REPLACEMENT OF CRITICAL VACUUM VALVES
102896 - SAN DIEGO PIPELINE 3 BYPASS
103021 SKINNER FILT PLT, SLUDGE HANDLING FACILITY MODIFICATIONS
103141 MILLS FILT PLT, IMPVMNTS PRGRM, ELEVATED COAGULATION AND SLUDGE STUDY
103164 BASIN DROP GATES REPLACEMENT
103179 CRA PUMPING PLANT RELIABILITY PROGRAM - CIRCULATING WATER SYSTEM REHAB
103181 WEST VALLEY FEEDER 1, STAGE 2, VALVE STRUCTURE MODIFICATIONS
103183 SUCTION AND DISCHARGE LINES - EXPANSION JOINT REPAIRS
103222 JENSEN TREATMENT PLANT - SOLIDS DEWATERING FACILITY AND LAGOONS
103254 MILLS FILT PLT, IMPROVEMENTS PROGRAM, MODULE 2 REHABILITATION
103270 WEYMOUTH IMPROVEMENT PROGRAM, REPLACE SURFACE WASH HEADER PIPELINE
103334 CRA-SWITCHYARDS AND HEAD GATES REHABILITATION
103343 DISTRIBUTION SYSTEM EQUIPMENT AND INSTRUMENTATION UPGRADES
103345 MILLS MODULES 3 AND 4 TURBIDITY METERS AND GAS DETECTORS REPLACE
103372 SAN DIEGO CANAL LINER REPAIR
103373 LAKE SKINNER EASE BYPASS SCREENING STRUCTURE REHABILITATION
103374 SAN DIEGO CANAL-SODIUM BISULFITE FEED SYSTEM UPGRADE
103391 PALOS VERDES RESERVOIR COVER AND LINER REPLACEMENT
103401 REPLACE FLOCULATORS AND TUBE SETTLERS AT WWRP NO.2
103484 RIALTO FEEDER, REPAIRS AT SELECT LOCATIONS
103526 MILLS FILTRATION PLANT, UPC 480V SYSTEM UPGRADE, STUDY
103531 ORANGE COUNTY FEEDER LINING REPAIR - REACH 2
103569 JENSEN MODULE NO. 1 FILTER VALVE REPLACEMENT
103608 DESERT AIRFIELDS IMPROVEMENT
103622 DIEMER TREATMENT PLANT, VECHICLE MAINTENANCE CENTER, CONSTRUCTION
103739 COPPER BASIN RESERVOIR OUTLET STRUCTURE REHABILITATION
103749 CRA TRANSITION STRUCTURE AND MANHOLE COVERS
103754 CAST-IRON BLOW OFF REPLACEMENT, PHASE 4
103760 DANBY TOWERS FOUNDATION REHABILITATION
103777 SKINNER WATER TREATMENT PLANT-WIDE REPLACEMENT OF TURBIDIME
103781 SKINNER ELECTRICAL BUILDING AND GROUND FAULT PROTECTION UPGRADE
103791 MILLS INDUSTRIAL WASTEWATER IMPROVEMENTS
103803 GARVEY RESERVOIR AUTOMATED DATA ACQUISITION SYSTEM (ADAS) REPLACEMENT
103805 YORBA LINDA POWER PLANT MODIFICATIONS
103880 WEYMOUTH FILTER REHABILITATION DEMONSTRATION
103887 SKINNER FINSHED WATER RESERVOIR COVER REPLACEMENT
103888 IT SYSTEM, COMMUNICATION INFRASTRUCTURE RELIABILITY UPGRADE
103893 JENSEN MODULE 1 FILTERS SURFACE WASH SYSTEM UPGRADES
103924 HYDROELECTRIC POWER DEVELOPMENT, FEASIBILITY STUDY
103940 WEYMOUTH PERIMETER IMPROVEMENTS, PHASE II CONSTRUCTION
104002 OLINDA PRESSURE CONTROL FACILITY PAVEMENT REHAB
104026 RED MTN-OCT 07 FIRE DAMAGE COMM PWR TOWERS & METER STRUCT REPLACE
104058 SKINNER COMPLETION PROJECT IMPROVEMEMENT
104090 INTAKE PUMPING PLANT 2.4KV POWER LINE RELOCATION
104115 SKINNER THICKENER PUMPS REPLACEMENT
104128 SANTA ANA RIVER BRIDGE SEISMIC RETROFIT
104172 EAGLE MOUNTAIN PUMPING PLANT STANDBY DIESEL ENGINE GENERATOR REPLACE
104198 ETIWANDA PIPELINE - LINING REPLACEMENT
104210 COLLIS VALVE REPLACEMENT
104226 ORANGE COUNTY FEEDER RELOCATION IN FULLERTON
104235 ETIWANDA CAVITATION FACILITY INFRASTRUCTURE REHABILITATION
104267 DVL CONTROL & PROTECTION UPGRADE
104269 MILLS SODIUM HYDROXIDE TANK REPLACEMENT
104273 HINDS PUMPING PLANT STANDYBY GENERATOR REPLACEMENT
104280 IRON MOUNTAIN PUMPING PLANT HOUSING REPLACEMENT
104284 DIEMER ELECTRICAL IMPROVEMENTS - STAGE 2
104296 IRON MOUNTAIN SERVICE PIT REHABILITATION
104320 ENHANCED AUTOMATIC FLOW TRANSFER SOFTWARE REDEVELOPMENT
104323 PALOS VERDES RESERVOIR HYPOCHLORITE FEED SYSTEM UPGRADE
104324 SAN JACINTO EAST ADIT REHABILITATION
104335 GLENDALE - 01 SERVICE CONNECTION REHABILITATION
104340 OPERATIONS CONTROL CENTER UPS REPLACE
104370 TEMESCAL AND CORONA POWER PLANT STANDBY GENERATOR REPLACEMENT
104384 DIEMER SUPERMATANT PUMP STATION IMPROVEMENTS
104387 DVL INLET/OUTLET TOWER FISH SCREEN REPLACEMENT - CONSTRUCTION
104408 JULIAN HINDS PUMPING PLANT DELIVERY PIPE EXPANSION JOINT PHASE REPAIR
104414 OC FEEDER CATHODIC PROTECTION SYSTEM REHABILITATION
104421 SKINNER SOLIDS HANDING PUMPS AT WWRK#3
104422 DIEMER TUNNEL CHLORINE DETECTION SYSTEM INFRASTRUCTURE
104433 LAKEVIEW PIPELINE LEAK REPAIR AT STA. 2510+49
104434 WADSWORTH PUMPING PLANT CONTROL AND PROTECTION, PRELIMINARY DESIGN
104437 SKINNER SOLIDS HANDLING IMPROVEMENTS
104448 CRA CANAL IMPROVEMENTS
104466 OAK STREET PRESSURE CONTROL STRUCTURE VALVE ACTUATOR
104475 ROW INFRASTRUCTURE PROTECTION PROGRAM WESTERN SAN BERNARDINO STAGE 1
104477 ROWIPP PROGRAMMATIC ENVIRONMENTAL DOCUMENT
104480 OAK STREET PRESSURE ONTROL STRUCTURE ROOF REPLACEMENT
104486 WEYMOUTH WATER TREATMENT PLANT DOMESTIC AND FIRE WATER SYSTEM IMPROVEMENT
104487 WEYMOUTH DOMESTIC WATER PIPELINE REPLACEMENT
104490 PERRIS PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT
104493 COYOTE PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT
104500 SKINNER MODULE 7 SODIUM HYPOCHLORITE PIPING RETROFIT
104509 ORANGE COUNTY C&D REGION SERVICE CENTER
104515 CRA IRON MOUNTAIN SUCTION JOING REFURBISHMENT PILOT
104517 SCADA COMMUNICATION MPLS UPGRADE-AT&T REGION

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

104521 CAJALCO CREEK DAM MANHOLE COVER RETROFIT
104523 SKINNER OZONE CONTRACTOR SAMPLE PIPING AND TRACER PIPING
104539 CARBON CREEK PRESSURE CONTROL STRUCTURE SEISMIC ASSESSMENT
104561 WEST VALLEY FEEDER NO. 1 - STAGE 2 VALVE STRUCTURE MODIFICATIONS
104566 GARVEY RESERVOIR SITE DRAINAGE REPAIRS AND MODIFICATIONS
104567 SITES 1 & 2 SECOND LOWER FEEDER URGENT REPAIRS
104568 SITE 3 SECOND LOWER FEEDER URGENT REPAIRS
104574 EAST ROLLUP PARKING DOOR AT HEADQUARTERS
104578 NEW HOUSE AT HINDS PUMP PLANT VILLAGE
104579 CONTROL SYSTEM SERVER REPLACEMENT
104590 GENE PUMPING PLANT EXPANSION JOINT REHABILIATION
104592 WEYMOUTH CAKE PUMP DRIVE SYSTEM FOR BELT PRESSES NOS 1-3
104593 DIEMER CHLORINE MASS FLOW METER REPLACEMENT
104594 DIEMER MAGNETIC FLOW METER UPGRADE
104595 - DIEMER PLANT FLORESCENT LIGHTING IMPROVEMENTS
104599 CAJALCO CREEK AND LAKE MATHEWS ADAS REPLACEMENT PROJECT
104603 GARVEY RESERVOIR WATER QUALITY LABORATORY REHABILITATION
104610 TEMESCAL HYDRO ELECTRIC PLANT ROOF REPLACEMENT
104611 CORONA HYDRO ELECTRIC PLANT ROOF REPLACEMENT
104612 - TEMESCAL HEP COOLING/SEAL WATER LINE REPLACEMENT
104613 - CORONA HEP COOLING/SEAL WATER LINE REPLACEMENT
104619 ACCESS RD FOR W VALLEY FEEDER NO. 1 & @UPPER PORTION OF E PORTAL RD. IMP
104622 LAKE MATHEWS HYDROELECTRIC PLANT REPAIRS
104625 BERNASCONI TUNNEL LINING
104634 GREGG AVENUE PRESSURE CONTROL STRUCTURE-PUMP MODIFICATIONS
104643 CRA OVER-CURRENT RELAY REPLACEMENT
104646 WADSWORTH PUMPING PLANT CONTROL AND PROTECTION UPGRADES
104648 CARBON CREEK PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT
104654 SKINNER SPARGER PUMP REPLACEMENT
104655 ESTRN REG DIST SYS CATHODIC PROTECTION REMOTE MONITORING REFURB
104658 WSTRN REG DIST SYS CATHODIC PROTECTION REMOTE MONITORING REFURB
104661 SAN DIEGO PIPELINE NO. 3 PIPING MODIFICATIONS
104679 SKINNER RESERVOIR INFLUENT CONDUIT LOW FLOW CHEMICAL MIXING SYSTEM
104682 IT NETWORK RELIABILITY UPGRADES
104685 WILLITS ST. PCS VALVE ACTUATOR REPLACEMENT
104686 MIDDLE FEEDER S BLOWOFF VALVE REPLACE AT STA. 782+54 (3RD LOW BIDDER)
104689 SEISMIC UPGRADES AT 10 SERVICE CONNECTION STRUCTURES ALONG AMP
104693 WEYMOUTH EAST WASHWATER TANK PUMP REPLACEMENT
104703 PCCP REHABILITATION - PROGRAM MANAGEMENT
104704 PCCP REHABILIATION - PROGRAM CEQA
104712 CASA LOMA SIPHON NO. 1, CASA LOMA CANAL & SAN DIEGO CANAL FLOW METER REPL
104713 AMR SERVER AND SYSTEM UPGRADE (MINOR CAP)
104718 AMR CELLULAR MODEM UPGRADE
104731 - WR-24D FLOWMETER REPLACEMENT
104732 EAGLE MTN PUMPING PLANT VILLAGE - POTABLE WATER LINE REPLACEMENT PRJ
104735 GARVEY RESERVOIR FENCING AND PEST BARRIER
104742 CRA DELIVERY LINE REHABILITATION
104748 - ETIWANDA SF6 CIRCUIT BREAKER REFURBISHMENT
104753 SKINNER CONTRACTOR CONCRETE MAINTENANCE
104754 SKINNER REC PLANT 3 - REPLACE SHAFT SLEEVES AND BEARINGS
104759 GARVEY RESERVOIR CONTROL VALVES REPLACEMENT
104760 SEPULVEDA FEEDER PCCP 2016 URGENT REPAIRS
104763 LAKE MATHEWS HEADWORKS FOREBAY LINER & OUTLET TOWER REPAIR
104766 MIDDLE FEEDER RELOCATION FOR SCE MESA SUBSTATION
104771 ETIWANDA AUTOMATIC VOLTAGE REGULATOR REPLACEMENT
104772 SKINNER PLANT 1 MODULE 3 ELECTRICAL RACEWAY REPLACEMENT
104774 DIEMER ELECTRICAL UPGRADES AT LAGOON 4
104775 DIEMER UPS REPLACEMENT
104777 JENSEN PLANT THICKENER 3&4 REFURBISHMENT
104783 LAKE MATHEWS HEAVY AND LIGHT VEHICLE SHOP PROPANE TANKS
104794 SECOND LOWER FEEDER PCCP 2016 URGENT REPAIRS
104796 RIALTO PIPELINE CB-12 ND CB-16 VALVE REPLACEMENT
104797 JENSEN CHLORINE EJECTOR MODIFICATIONS
104798 ORANGE COUNTY C&D UPS REPLACEMENT
104808 ALLEN MCCOLLOCH PIPELINE OC-76 TURNOUT RELOCATION
104818 SANTIAGO LATERAL STA. 364+04 PIPE EXPOSURE
104821 ELECTRICAL UPGRADES AT 15 STRUCTURES , OC REGION
104823 WADSWORTH PUMPING PLANT YARD PIPING LINING REPAIRS
104826 SKINNER BELT FILTER PRESS REHABILITATION
104827 SKINNER PLANT 1 LOSS OF HEAD ULTRASONIC METER REPLACEMENT
104828 HEADQUARTERS LOADING DOCK OVERHEAD GATE REPLACEMENT
104835 DIAMOND VALLEY AREA ACOUSTIC FLOWMETER REPLACEMENT
104837 HQ DATACENTER SAN UPGRADE PHASE 1
104839 JENSEN OZONE SYSTEM PLC CONTROL & COMMUNICATION
104841 WEYMOUTH FLOCCULATOR REHABILITATION
104843 CASA LOMA SIPHON BARREL NO. 1 - SEISMIC UPGRADES
104846 CRA CIRCULATING WATER SYSTEM SODIUM HYPOCHLORITE TANK REPLACEMENT
104850 SCADA RTU CPU & OS UPGRADE
104852 LAKE SKINNER C&D BUILDING REHABILITATION
104856 SANTA ANA RIVER BRIDGE EXPANSION JOINT REPLACEMENT
104857 WADSWORTH PUMPING PLANT CONTROL AND PROTECTION UPGRADES
104866 REFURBISH OC-88 P-3000 & P-4000
104867 JENSEN FLUORIDE TANK REPLACEMENT
104868 JENSEN FILTER BACKWASH BIOLOGICAL CONTROL SYSTEM

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

104870 EAST OC FEEDER NO. 2 SERVICE CONNECTION A-06
104872 SITES 1 & 2 SECOND LOWER FEEDER URGENT REPAIRS
104873 SITES 3 SECOND LOWER FEEDER URGENT REPAIRS
104875 SECOND LOWER FEEDER PCCP REHABILITATION
104876 SECOND LOWER FEEDER PCCP REHABILITATION - REACH 2
104877 SECOND LOWER FEEDER PCCP REHABILITATION - REACH 3
104881 SECOND LOWER FEEDER PCCP REHABILITATION
104883 SECOND LOWER FEEDER PCCP REHABILITATION - REAL PROPERTY ACCQUISITION
104888 REFURBISH TEMESCAL HYDROELECTRIC GENERATOR COOLERS
104889 REFURBISH CORONA HYDROELECTRIC GENERATOR COOLERS
104890 COPPER BASIN SODIUM HYPOCHLORITE TANK REPLACEMENT
104894 CB-20 AND PM-26 FLOWMETER REPLACEMENT
104900 CRA AND IRON MOUNTAIN RESERVOIR PANEL REPAIRS
104901 DVL VIEWPOINT ROAD SECURITY UPGRADES
104902 CRA HOUSING IMPROVEMENTS - RENOVATION OF HOUSES
104905 SERVICE CONNECTION LA-35 SLIDE GATE OPERATOR
104910 DVL VISITOR CENTER EXTERIOR LIGHTING REPLACEMENT
104914 FAIRPLEX AND WALNUT PCS VALVES REPLACEMENT
104917 HINDS POOL REFURBISHMENT
104921 EAGLE MOUNTAIN POOL REFURBISHMENT
104924 WEST VALLEY FEEDER NO. 1 - DE SOTO VALVE STRUCTURES IMPROVEMENTS
104927 CASA LOMA CANAL PANEL REPAIR
104939 VALLEY VIEW HYDROELECTRIC GENERATOR REFURBISHMENT
104942 EAGLE ROCK OPERATION CONTROL CENTER & INCIDENT COMMAND CENTER ROOF REPL.
104958 SKINNER ORP SWITCHGEAR BATTERY REPLACEMENT
104961 LAKE MATHEWS FENCING SECURITY UPGRADE
104965 SERVICE CONNECTION CENB-29 EQUIPMENT RELOCATION
104971 SKINNER SPILLWAY REHABILITATION
104976 WATER ORDERING & EVENT SCHEDULING SYSTEM
105001 SERVICE CONNECTION WB-2A & WB-2B EQUIPMENT RELOCATION
105002 SEPULVEDA WEST VALLEY, AND EAST VALLEY FEEDERS INTERCONNECTION
105003 LEARNING MANAGEMENT (LMS) UPGRADE
105006 SEPULVEDA FEEDER PCCP DEL AMO BLVD. URGENT REPAIR
105009 CRA INTAKE BUOY LINE REPLACEMENT
105023 SCADA NETWORK FIBER OPTIC SWITCH REPLACEMENT
105026 SKINNER ELECTRICAL EQUIPMENT BUILDING 1 & 2
105029 SKINNER ACCUSONIC FLOWMETER REPLACEMENT
105039 FOOTHILL FEEDER - CASTAIC VALLEY BLOW-OFF VALVES REPLACEMENT
105060 CRA-WHITEWATER EROSION PROTECTION STRUCTURE
105061 LOWER FEEDER STANDPIPE #22 REHABILITATION
105064 OC 88 FIRE SYSTEM PROTECTION UPGRADES
105070 SERVICE CONNECTION FLOWMETER REPLACEMENT
105098 LOWER FEEDER BLOW-OFF DRAIN LINE REPLACEMENTS
105101 JENSEN FILTER EFFLUENT TURBIDIMETER RELIABILITY
105107 LA VERNE BUILDING 40 COMPRESSED AIR UPGRADES
105108 INTAKE BANK PHASE 2 PHASE C TRANSFORMER REHABILITATION
105110 MILLS EMERGENCY GENERATOR PLC UPGRADE
105114 SECOND LOWER FEEDER PCCP REHABILITATION - REACH 8
105118 PERRIS BYPASS PIPELINE SUMP PUMP REPLACEMENT
105123 CENTRAL BASIN 48 BUBBLER AREA ACCESS IMPROVEMENTS
105137 RIALTO FEEDER STA 3820+00 MANHOLE REPLACEMENT
105164 SAN DIEGO PIPELINE 1 RAINBOW TUNNEL LINER REHABILITATION
105167 SAN GABRIEL PCS ELECTRICAL REPLACEMENTS
105172 ALLEN MCCOLLOCH PIPELINE PCCP 2021 URGENT RELINING
105195 RIALTO FEEDER VALVE REPLACEMENT
105201 OC-89 AND OC-90 FLOW METER REPLACEMENT
105203 ETIWANDA PIPELINE LINING REPLACEMENT - STAGE 3
105235 SEPULVEDA HEP TAILRACE COATINGS
105240 WEST VALLEY FEEDER NO. 1 STRUCTURES - PIPING IMPROVEMENTS
105292 WEST ORANGE COUNTY FEEDER BLOWOFF DRAIN LINE REHAB ENGINEERING CHANGE
105300 WB-06B METER REPLACEMENT PROJECT
105353 FOOTHILL FEEDER EXPOSURE
105369 UPPER FEEDER EMERENCY EXPANSION JOINT REPLACEMENT
105393 SEPULVEDA CANYON PCS TO VENICE PCS VALVE REPLACEMENTS
105409 SAN DIEGO CANAL CONCRETE LINER REPAIR SITE 622
105443 SEPULVEDA FEEDER CFRP URGENT RELINING
108TH STREET PRESSURE CONTROL STRUCTURE REHABILITATION
108TH STREET PRESSURE CONTROL STRUCTURE VALVE REPLACEMENT
109907 DVL VISITOR'S CENTER IMPROVEMENTS
15112 JENSEN PLT. SEC SYS
15114 GARVEY RESERVOIR O&M CENTER
15120 MILLS FILT PLT, EXPANSION 2
15121 SAN DIEGO PIPELINE 6
15122 INLAND FEEDER PROGRAM
15123 DIAMOND VALLEY LAKE PROGRAM
15125 ETIWANDA POWER PLANT
15143 PRELIMINARY STUDY FOR PERRIS AREA
15144 PRELIMINARY STUDY FOR LK MATHEWS & WEYMOUTH
15162 WEST VALLEY AREA STUDY
15173 JENSEN & MILLS FILT PLTS, ORP
15221 FEASIBILITY STUDY OF FOOTHILL AREA STUDY
15222 WATER QUALITY, DEMONSTRATION, SCALE TESTING
15247 UNION STATION LONG-TERM HEADQUARTERS FACILITY
15275 WATER QUALITY, CRYPTOSPORIDIUM ACTION PLAN

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

15305 MILLS FILT PLT, FINAL DESIGN AND CONSTRUCTION OF WAREHOUSE
15318 SAN DIEGO PPLN 3 BYPASS
15334 DIAMOND VALLEY LAKE RESERVOIR RECREATION PLAN
15346 CHLORINE CONTAINMENT & HANDLING FACILITY
15363 DIEMER TP, SOLIDS HANDLING & WATER RECLAMATION
15369 WEYMOUTH TREATMENT PLANT, CAPITAL IMPROVEMENT PROGRAM, PHASE I
15379 YORBA LINDA FEEDERBYPASS
15388 SKINNER FILT PLT, ORP
15389 DIEMER FILT PLT, ORP
15391 POWER RELIABILITY AND ENERGY CONSERVATION
15410 SKINNER FILT PLT, EXPANSION 4
15414 ALL FILTRATION PLANTS, FLOURIDATION SYSTEM
15427 RIALTO PIPELINE IMPROVEMENTS
15447 QUAGGA MUSSEL CONTROL PROGRAM
15450 AGREEMENT WITH ALAMEDA CORRIDOR EAST CONSTRUCTION AUTHORITY
1ST BBL 1ST SAN DIEGO AQUEDUCT CAPITAL OBLIGATION
2ND BBL 1ST SAN DIEGO AQUEDUCT CAPITAL OBLIGATION
2ND LWR FDR,W.ORANGE CNTY.FDR.INTERCONN.STRUCT.INSTALL REM.CTRL.
2ND S D AQUEDUCT:6 13" PIPE SIPHONS-STA. BET.244+04-979+32 (SCH SDXP)
42" CONICAL PLUG VALVE REPLACEMENT
A-02
A-05
A-06
ACCESS ROAD FOR WEST VALLEY FEEDERS 1 & 2 UPPER PORTION OF EAST POTAL RD. IMPROV
ACCUSONIC FLOW METER UPGRADE
ACCUSTIC FIBER OPTIC MONITORING OF PCCP LINES
ACOUSTIC FIBER MONITORING OF PCCP LINES
ADVANCED WATER TREATMENT DEMONSTRATION FACILITY
ALAMEDA CORRIDER-EAST (ACE) CONSTRUCTION AUTHORITY RELOCATION/ORANGE CTY FEEDER
ALAMEDA CORRIDOR PIPELINE
ALL AMERICAN COACHELLA LINING
ALL FACILITIES - WATER DISCHARGE ELIMINATION
ALL FACILITIES, INSPECTION AND REPLACEMENT OF CRITICAL VACUUM
ALL FACILITIES, INSPECTION AND REPLACEMENT OF CRITICAL VACUUM VALVES
ALL FEEDERS - MANHOLE LOCKING DEVICE RETROFIT
ALL PUMP PLTS, REPL CO2 CYLINDERS, REHAB CONTROLS
ALL PUMPING PLANTS - INSTALL HYPOCHLORINATION STATIONS
ALLEN MCCOLLOCH PIPELINE 2010 REFURBISHMENT
ALLEN MCCOLLOCH PIPELINE CATHODIC PROTECTION
ALLEN MCCOLLOCH PIPELINE INTERCONNECTIONS
ALLEN MCCOLLOCH PIPELINE LOCAL CONTROL MODIFICATIONS
ALLEN MCCOLLOCH PIPELINE PCCP 2021 URGENT RELINING
ALLEN MCCOLLOCH PIPELINE PCCP REHABILITATION- 2021 URGENT RELINING
ALLEN MCCOLLOCH PIPELINE REPAIR
ALLEN MCCOLLOCH PIPELINE REPAIR - CARBON FIBER LINING REPAIR
ALLEN MCCOLLOCH PIPELINE REPAIR - SERVICE CONNECTIONS UPGRADES
ALLEN MCCOLLOCH PIPELINE REPAIR - STATION 276+63
ALLEN MCCOLLOCH PIPELINE REPAIR - SURGE SUPPRESSION SYSTEM AT OC88A
ALLEN MCCOLLOCH PIPELINE REPAIR - VALVE ACTUATOR REPLACEMENTS
ALLEN MCCOLLOCH PIPELINE REPAIR SERVICE CONNECTIONS SIMPLIFICATION
ALLEN MCCOLLOCH PIPELINE REPAIRS, STAGE 2
ALLEN MCCOLLOCH PIPELINE STRUCTURE - ROOF SLAB REPAIRS
ALLEN MCCOLLOCH PIPELINE VALVE VAULT REPAIRS
ALLEN MCCOLLOCH PIPELINE, 2010 URGENT REPAIRS
ALLEN MCCOLLOCH PIPELINE, STA 208+00 TO 226+00
ALLEN MCCOLLOCH PIPELINE, VALVE VAULT REPAIRS
ALLEN MCCOLLOCH PPLN (AMP), FLOW CONTROL MODIFICATION
ALLEN MCCOLLOCH PPLN STRUCTURE, ROOF SLAB REPAIRS
ALLEN_MCCOLLOCH PIPELINE (AMP) FLOWMETERS UPGRADE
ALLEN-MCCOLLOCH CORROSION/INTERFERENCE MITIGATION, STATION 719+34 TO 1178+02
ALLEN-MCCOLLOCH PIPELINE
ALLEN-MCCOLLOCH PIPELINE OC-76 TURNOUT RELOCATION
ALLEN-MCCOLLOCH PIPELINE PCCP CARBON FIBER JOINT REPAIRS
ALLEN-MCCOLLOCH PIPELINE PCCP CARBON FIBER JOINT REPAIRS
ALLEN-MCCOLLOCH PIPELINE PCCP REHAB. - PRELIMINARY DESIGN
ALLEN-MCCOLLOCH PIPELINE PCCP REHABILITATION
ALLEN-MCCOLLOCH PIPELINE REFURBISHMENT - STAGE 2
ALLEN-MCCOLLOCH PIPELINE REPAIR
ALLEN-MCCOLLOCH PIPELINE REPAIR, VALVE ACTUATOR (103289)
ALLEN-MCCOLLOCH PIPELINE REPAIRS
ALLEN-MCCOLLOCH PIPELINE VALVE AND SERVICE CONNECTION VAULT REPAIRS
ALLEN-MCCULLOCH PIPELINE
ALLEN-MCCULLOCH PIPELINE-DOWN PAYMENT
A-MISC
AMP - CURRENT YEAR
AMP -SERVICE CONNECTIONS UPGRADES
AMP -VALVE ACTUATOR REPLACEMENTS
AMP CARBON FIBER LINING
AMP COMPLETION RESOLUTION RIGHT OF WAY ISSUES
AMP SERVICE CONNECTION UPGRADES
AMP, BAKER INTERCONNECTIONS
AMR - RTU UPGRADE - PHASE 2
ANODE WELL REPLACEMENT FOR ORANGE COUNTY AND RIALTO FEEDERS
APPIAN WAY VALVE REPLACEMENT

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

ARROW HIGHWAY PROPERTY DEVELOPMENT
ARROYO SECO SPILLWAY REVISION
ASPHALT REHABILITATION AT WEYMOUTH FINISHED WATER RESERVOIR
ASPHALT REPAIRS TO PERIMETER OF SEPULVEDA PCS
ASSESS THE CONDITION OF METROPOLITAN'S PRESTRESSED CONCRETE CYLINDER PIPE
ASSESS THE CONDITIONS OF MET'S
ASSESSMENT OF PRESTRESSED CONCRETE CYLINDER PIPELINES - PHASE 3
AULD VALLEY CONTROL STRUCTURE AREA FACILITIES
AULD VALLEY PIPELINE
AULD VALLEY PIPELINE, STA 74+98.55
AUTOMATED RESERVOIR WATER QUALITY MONITORING
AUTOMATIC METER READING SYSTEM - RTU UPGRADE PHASE 2
AUTOMATIC METER READING SYSTEM UPGRADE
AUTOMATIC METER READING UPGRADE
AUTOMATION COMMUNICATION UPGRADE
AUTOMATION DOCUMENTATION SURVEY F/A
AUXILIARY SPILLWAY AT SANTA ANA RIVER
B-02
B-03
B-05
BAR 97- ENHANCED AREA VEHICLE TESTING
BAR 97, ENHANCED AREA VEHICLE TESTING
BATTERY MONITORING SYSTEM FOR AUTOMATIC METER READING SYSTEM
BH-01
BH-02
BIXBY VALVE REPLACEMENT
BLACK METAL MOUNTAIN ELECTRICAL TRANSFORMER
BOX SPRING FEEDER REPAIR, PHASE 2
BOX SPRINGS FDR AND CONTROL STRUCTURE-PRESSURE CONTL STRUC
BOX SPRINGS FEEDER - PHASE I
BOX SPRINGS FEEDER AND CONTROL STRUCTURE-SCH 317
BOX SPRINGS FEEDER AND CONTROL STRUCTURE-SCH 318
BOX SPRINGS FEEDER BROKEN BACK REPAIR
BOX SPRINGS FEEDER BROKEN BACK REPAIR PHASE I
BOX SPRINGS FEEDER PHASE 3 AND 4 ENVIRONMENTAL MITIGATION
BOX SPRINGS FEEDER PHASE 3 AND 4 ENVIRONMENTAL MONITORING
BOX SPRINGS FEEDER REPAIR
BOX SPRINGS FEEDER REPAIR - PHASE II
BOX SPRINGS FEEDER REPAIRS PHASE 3 AND PHASE 4
BOX SPRINGS FEEDER SECTION REPLACEMENT, PHASE 3 AND PHASE 4
BOX SPRINGS FEEDER, STA 453+00 TO 466+00
BOX SPRINGS FEEDER-PROT STA 18+70 TO 19+30 & 21+05 TO 21+65
BOX SPRINGS FEEDER-PROT STA 18+70 TO 19+30 & 21+05 TO 21+66
BREA LATERAL
BURBANK LATERAL SCHEDULE 38SC
BURBANK LATERAL EXTENSION
C&D CRANE INSTALLATION AT OC-88 PUMPING PLANT
C-02
C-03
CA-01
CA-02
CAJALCO CREEK DAM MANHOLE COVER RETROFIT
CAJALCO CREEK DETENTION DAM
CAJALCO CREEK DETENTION DAM SPILLWAY ACCESS ROAD
CAL-01
CALABASAS FEEDER CARBON FIBER /BROKEN BACK REPAIR
CALABASAS FEEDER ENHANCEMENT
CALABASAS FEEDER INTERFERENCE MITIGATION
CALABASAS FEEDER PCCP REHABILITAION - PRELIMINARY DESIGN
CALABASAS FEEDER PCCP REHABILITATION
CALABASAS FEEDER REPAIR, STUDY
CALABASAS FEEDER STAGE 1 AND 2 REPAIRS
CALABASAS FEEDER STRAY CURRENT DRAIN STATION, CONST. PHASE
CANAL OUTLET AND SCREENING STRUCTURE (SCH 5)
CAPACITY FEE FROM CASTAIC LAKE WATER AGENCY FOR USE OF FOOTHILL FDR
CAPITAL PROGRAM FOR PROJECTS COSTING LESS THAN $250,000
CAPITAL PROGRAM FOR PROJECTS COSTING LESS THAN $250,000 FOR FY 2010/11
CAPITAL PROJECTS COSTING LESS THAN $250,000 FOR FY2008-09
CARBON CREEK MAINTENANCE CENTER
CARBON CREEK PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT
CARBON CREEK PRESSURE CONTROL STRUCTURE SEISMIC ASSESSMENT
CARBON CREEK PRESSURE CONTROL STRUCTURE SEISMIC RETROFIT
CASA LOMA AND SAN DIEGO CANAL LINING STUDY - PART 2
CASA LOMA CANAL PANEL REPAIR
CASA LOMA CANAL, SCHEDULE 11C (SPEC NO. 554)
CASA LOMA SIPHON #1 & SAN JANCINTO PIPELINE PROTECTION
CASA LOMA SIPHON BARREL 1 & 2 DVL AND SD CANAL FLOW METER REPLACEMENT
CASA LOMA SIPHON BARREL NO. 1 - PERMANENT REPAIRS
CASA LOMA SIPHON BARREL NO. 1 JOINT REPAIR
CASA LOMA SIPHON NO 1, CASA LOMA CANAL & SAN DIEGO CANAL FLOW METER REPLACEMENT
CASA LOMA SIPHON NO. 1, CASA LOMA CANAL & SAN DIEGO CANAL FLOW METER REPLACEMENT
CASTAIC SIPHONS & PIPELINES(FOOTHILL FDR.) SCH. 201,203,204,206,207 & 209
CASTAIC,SAUGUS, PLACERITA TUNNELS
CAST-IRON BLOW OFF REPLACEMENT, PHASE 4

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

CATHODIC PROTCTION SYS & STRAY CURRENT RIALTO PPLNS
CATHODIC PROTECTION FOR THE FOOTHILL FEEDER
CATHODIC PROTECTION RECTIFIERS
CATHODIC PROTECTION SYS.UPGRADES FOR THE MIDDLE CROSS FEEDER
CATHODIC PROTECTION SYSTEM EAST ORANGE COUNTY FDR NO. 2
CATHODIC PROTECTION SYSTEM UPGRADES
CB-01
CB-03
CB-05
CB-07
CB-09
CB-10
CB-12
CB-16
CB-20 AND PM-26 FLOWMETER REPLACEMENT
CB-MISC
CCP-PHASE 2 CONSTRUCTION
CDAA REIMBURSABLE DECEMBER 2011 STORM DAMAGE
CDAF FLUORIDATION TREATMENT PLT
CDSRP - DISCHARGE ELIMINATION
CDSRP - ENTRAINED AIR IN UPPER FEEDER PIPELINE STUDY
CDSRP - SEPULVEDA FEEDER REPAIRS
CDSRP - SEPULVEDA TANKS RECOATING
CENB-01
CENB-02
CENB-04
CENB-05
CENB-06
CENB-07
CENB-08
CENB-09
CENB-10
CENB-11
CENB-12
CENB-13
CENB-14
CENB-15
CENB-16
CENB-17
CENB-18
CENB-20
CENB-21
CENB-22
CENB-23
CENB-24
CENB-25
CENB-26
CENB-27
CENB-28
CENB-29
CENB-30
CENB-31A
CENB-33
CENB-34
CENB-35
CENB-37
CENB-38
CENB-39
CENB-40
CENB-42
CENB-43
CENB-44
CENB-45
CENB-46
CENB-47
CENB-48
CENB-49
CENB-50
CENB-51
CENB-52
CENB-53
CENB-MISC
CENTRAL BASIN, 48 BUBBLER AREA ACCESS IMPROVEMENT
CENTRAL CONTROL SYSTEM - ORANGE COUNTY
CENTRAL POOL AUGMENTATION - TUNNEL AND PIPELINE & RIGHT-OF-WAY ACQUISITION
CENTRAL POOL AUGMENTATION (CPA) PROGRAM - PIPELINE AND TUNNEL ALIGNMENT
CENTRAL POOL AUGMENTATION AND WATER QUALITY PROJECT (CPAWQP)
CENTRALIZED CONTROL SYSTEM- EAGLE ROCK
CENTRALIZED CONTROL SYSTEM- GENERAL DESIGN
CHEMICAL INVENTORY AND USAGE REWRITE AND ELECTRICAL. SYSTEM LOG
CHEMICAL UNLOADING FACILITY RETROFIT
CHEVALIER FALCON MILLING MACHINE
CHINO BASIN MWD FACILITIES
CHLORAMINE BOOSTER STATION AT THREE LOCATIONS WITHIN THE TREATED WATER DISTRIBUTION SYSTEMS

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

CHUCKWALLA MONITORING WELLS
CLWA-01T
CM-02
CM-04
CM-05
CM-06
CM-07
CM-08
CM-09
CM-11
CM-12
CM-13
C-MISC
COACHELLA CANAL LINING, ENVIRONMENTAL MITIGATION
COASTAL JUNCTION BYPASS
COASTAL JUNCTION REVERSE FLOW BYPASS
COASTAL PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT
COLLIS AVENUE VALVE REPLACEMENT
COLLIS VALVE REPLACEMENT
COLORADO RIVER AQUEDUCT CASA LOMA SIPHON BARREL NO. 1 PROJECT NO. 2 - PERMANENT REPAIRS
COLORADO RIVER AQUEDUCT CASA LOMA SIPHON BARREL NO. 1 REPLACEMENT
COLORADO RIVER AQUEDUCT CASA SIPHON
COLORADO RIVER AQUEDUCT CONVEYANCE REALIABILITY, PHASE II RPRS AND INSTR
COLORADO RIVER AQUEDUCT MILE 12 FLOW MONITORING STATION UPGRADES PROJECT
COLORADO RIVER AQUEDUCT, HEAD GATES REHABILITATION
COMMUNICATIONS EQUIPMENT MONITORING SYSTEM
COMMUNICATIONS STRUCTURE ALARM MONITORING
COMPREHENSIVE INFORMATION SECURITY ASSESSMENT PHASE III
COMPTON LATERAL EXTENSION
COMPTON LATERAL EXTENSION SCHEDULE 39A
COMPTON LATERAL SCHEDULE 28SC
CONE CAMP INTERTIE BYPASS PIPELINE REPAIR
CONSTRUCTION OF HOUSING FACILITIES- 4 HOUSES ON DISTRIBUTION SYSTEM
CONSTRUCTION PHASE 2
CONTRACT & LITIGATION TASKS -CONTRACT # 1396
CONTROL SYSTEM DATA STORAGE AND REPORTING
CONTROL SYSTEM DRAWING & DOCUMENTATION UPDATE
CONTROL SYSTEM ENHANCEMENT PROGRAM (CSEP) - DIGITAL SUBNET STANDARDIZATION
CONTROL SYSTEM ENHANCEMENT PROGRAM IMPLEMENTATION
CONTROL SYSTEMS AUTOMATION COMMUNICATION UPGRADE
CONTROLS COMMUNICATIONS FRAME RELAY CONVERSION - APPROPRIATED
CONVERSION OF DEFORMATION SURVEY MONITORING AT GENE WASH, COPPER BASIN, AND DIEMER BASIN 8
CONVEYANCE & DISTRIBUTION SYSTEM REHAB, PHASE II
CONVEYANCE AND DISTRIBUTION SYSTEM - REHABILITATION PROGRAM
CONVEYANCE AND DISTRIBUTION SYSTEM ELECTRICAL STRUCTURES REHABILITATION
CONVEYANCE AND DISTRIBUTION SYSTEM HYDAULIC PILOT VALVE STANDARIZATION
CONVEYANCE AND DISTRIBUTION SYSTEM REHABILITATION PROGRAM (CDSRP) - CURRENT DRAIN STATIONS
COOPER BASIN SECURITY NETWORK CONNECTIVITY
COPPER BASIN ICS
COPPER BASIN INTERIM CHLORINATION SYSTEM
COPPER BASIN SODIUM HYPOCHLORITE TANK REPLACEMENT
CORONA POWER PLANT REPLACE EMERGENCY GENERATOR
CORROSION MATERIALS TESTING FACILITY SCADA UPGRADE
COTTAGE AT COYOTE CREEK
COTTAGE AT SANTA ANA CANYON HOUSE #110-D
COVINA PCS UPGRADES
COVINA PRESSURE CONTROL FACILITY
COVINA PRESSURECONTROL FACILITY
COYOTE CREEK HEP/PCS EMERGENCY STANDBY GENERATOR
COYOTE CREEK NORTHERN PERIMETER LANDSCAPING
COYOTE CREEK PRESSURE CONTROL STRUCTURE
COYOTE PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT
CPA PIPELINE & TUNNEL ALIGNMENT
CPA PIPELINE & TUNNEL ALIGNMENT - NON FUNDED PORTION
CPA PIPELINE & TUNNEL ALIGNMENT - STUDY
CPA WATER TREATMENT PLANT - NON FUNDED PORTION
CPA WATER TREATMENT PLANT - RIGHT OF WAY - PHASE 2
CPAWQP - PHASE 2
CPAWQP - STUDY AND LAND ACQUISITION - CONTINGENCY
CPAWQP - STUDY AND LAND ACQUISITION - PIPELINE & TUNNEL ALIGNMENT - STUDY
CPAWQP - STUDY AND LAND ACQUISITION - RIGHT-OF-WAY-ACQUISITION
CPAWQP - STUDY AND LAND ACQUISITION - WATER TREATMENT PLANT - RIGHT OF WAY - PHASE 2
CPAWQP - STUDY AND LAND ACQUISITION - WATER TREATMENT PLANT - STUDY
CRA - PC-1 EFFLUENT OPEN CHANNEL TRASH RACK
CRA ACQUEDUCT ISOLATION GATES REPLACEMENT
CRA CABAZON & POTRERO SHAFT COVERS
CRA CHOLLA WASH CUT AND COVER CONDUIT LINING
CRA CONTROL INTEGRATION
CRA HOUSING IMPROVEMENTS - RENOVATION OF HOUSES
CRA PROTECTIVE SLAB AT STATION 805+00 (MM14.3)
CRA PROTECTIVE SLAB AT STATION 9704+77
CRA WHITEWATER TUNNEL 2, STA 9710+00 TO 9780+00
CRA, STA 9480+00 TO 9530+00
CRA-WHITEWATER EROSION PROTECTION STRUCTURE

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

CRITICAL LOCK IDENTIFICATION AND CHANGE-OUT
CROSS CONNECTION PREVENTION PROGRAM - PHASE II CONSTRUCTION
CROSS CONNECTION PREVENTION PROGRAM, PHASE II CONSTRUCTION
CROSS CONNECTION PREVENTION PROJECT, COMPLETE PRELIM DESIGN
CROSS CONNECTION PREVENTION PROJECT, COMPLETE PRELIMINARY DESIGN AND CEQA DOCUMENTATION
CRW FOR REPLENISHMENT AT USG3
CSEP - ELECTRONIC SYSTEM LOG (ESL)
CSEP - ENERGY MANAGEMENT SYSTEM PHASE II
CSEP - ENHANCED DISTRIBUTION SYSTEM CONTROL PROJECT
CSEP - IMPLEMENTATION
CSEP - OPERATIONS & BUSINESS DATA INTEGRATION PILOT
CSEP - PLANT INFLUENT REDUNDANT FLOW METERING AND SPLITTING
CSEP - PLC PHASE 2 - LIFE-CYCLE REPLACEMENT
CSEP - PLC STANDARDIZATION
CSEP - PLC STANDARDIZATION PHASE II
CSEP - POWER MANAGEMENT SYSTEM
CSEP - WATER PLANNING APPLICATION
CSEP IMPLEMENTATION
CSEP- SMART OPS (FORMERLY REAL TIME OPERATIONS SIMULATION)
CULVER CITY FEEDER: STA.0+12.07 TO 261+00, SCH. 62, 63,64 (SPEC NO. 512)
CURRENT DRAIN STATIONS
CWE, $4.67M CAPITAL COSTS TO BE PAID BY MWD
DAM REHABILITATION & SAFETY IMPROVEMENTS ST. JOHN'S CANYON CHANNEL EROSION MITIGATION
DANBY TOWER FOUNDATION INVESTIGATION AND SHORT TERM MITIGATION
DARBY TOWERS FOUNDATION REHABILITATION
DECEMBER STORM DAMAGE 2010 FEMA DR 1952
DELTA PROPERTIES INFRASTRUCTURE IMPROVEMENTS
DEODERA PCS PAVEMENT UPGRADE & BETTERMENT
DESERT BRANCH - REPLACE STOLEN COPPER GROUND WIRE FOOTINGS/GROUNDING, AND COPPER PIPING
DESERT BRANCH PUMP PLANT AUXILIARY (STATION SERVICE)
DESERT BRANCH, PURCHASE & INSTALL 5 PORT VIDEO CONFERENCING
DESERT FACILITIES DOMESTIC WATER GAC SYSTEM INSTALLATION
DESERT HIGH VOLTAGE TRANSMISSION TOWERS - REPLACE COPPER GROUND WIRES ON
DESERT PUMP PLANTS, REPLACE AUXILIARY TRANSFORMERS (103102)
DETAIL SEISMIC EVALUATION OF WATER STORAGE TANK
DETAILED RELIABILITY IMPROVEMENTS OF THE LOS ANGELES COUNTY OPERATING REGION
DETAILED RELIABILITY IMPROVEMENTS OF THE ORANGE COUNTY OPERATING REGION - STAGE 1
DFP - ELIMINATE BACKUP GENERATOR TIE-BUS & INSTALL MANUAL TRANSFER SWITCH FOR CHLORINE SCRUBBER
DIAMOND VALLEY LAKE VISITORS CENTER BUILDING IMPROVEMENTS
DIEMER CHLORINE MASS FLOW METER REPLACEMENT
DIEMER FACILITY & VEHICLE PLANT DESIGN
DIEMER FEMA FIRE DAMAGE
DIEMER FILTR. PLANT- REPLACE TURBINE DEEP WELL PUMP
DIEMER FILTRATION PLANT - SLOPE REPAIR
DIEMER MAIN ROAD REBURBISHMENT
DIEMER MAIN ROAD REFURBISHMENT
DIEMER OZONE COOLING WATER ALTERNATIVE SOURCE
DIEMER PLANT INFLUENT FLOWMETER
DIEMER PLANT NORTH STORM DRAIN REPLACEMENT (103132)
DIEMER PLANT, ENTRANCE RELOCATION
DIEMER PLANT, HABITAT CONSERVATION
DIEMER PLANT, NORTHWEST HILL
DIEMER PLANT, WEST AREA SITE GRADING
DIEMER PLT-POWER DIST.CTR.FOR 2ND LOWER FDR. & E.ORANGE CTY.FEEDER
DIEMER USED WASHWATER PUMP STATION PHASE II
DIEMER, REPLACE WILLOWGLEN RTU
DIRECTIONAL SIGNS FOR DIAMOND VALLEY LAKE FACILITY
DISCHARGE ELIMINATION
DISCOUNTS & LIQUIDATING DAMAGES ON E & A WB-1 (SPEC NO. 524)
DIST SYS-AIR RELEASE & VAC VALVE MODS
DISTN SYSTEM REPLACE AREA CONTROL SYSTEMS
DISTN SYSTEM SPILL CONTAINMENT & REMEDIATION
DISTN SYSTEM TYPE
DISTN SYSTEM, STATIONARY CORROSION REFERENCE ELECTRODES
DISTRIBUTION PIPELINES
DISTRIBUTION SYS - TYPE "M" METER REPLACEMENT
DISTRIBUTION SYS - TYPE "M" METER REPLACEMENT (RETIREMENT)
DISTRIBUTION SYSTEM - CCPP CONSTRUCTION PACKAGES 9,11,12
DISTRIBUTION SYSTEM - METRO GREENLINE ELECTROLYSIS MONITORING
DISTRIBUTION SYSTEM - STANDPIPE STRENGTHENING PROGRAM
DISTRIBUTION SYSTEM - STATIONARY CORROSION REFERENCE
DISTRIBUTION SYSTEM - TREATED WATER CROSS CONNECTION PREVENTION PROJECT - FINAL DESIGN & CONSTRUCTION
DISTRIBUTION SYSTEM AIR RELEASE AND VAC VALVE MODS
DISTRIBUTION SYSTEM ASSESSMENTS/UPGRADES OF LOS ANGELES COUNTY
DISTRIBUTION SYSTEM ASSESSMENTS/UPGRADES OF RIVERSIDE AND SAN DIEGO COUNTY
DISTRIBUTION SYSTEM ASSESSMENTS/UPGRADES OF SAN BERNARDINO COUNTY
DISTRIBUTION SYSTEM CONTROL & EQUIP UPGRADE - ENHANCED DISTRIB. SYSTEM AUTOMATION PHASE I
DISTRIBUTION SYSTEM EQUIPMENT & INSTRUMENTATION UPGRADES
DISTRIBUTION SYSTEM EQUIPMENT AND INSTRUMENTATION UPGRADES
DISTRIBUTION SYSTEM INFRASTRUCTURE PROTECTION IMPROVEMENTS FOR ORANGE COUNTY
DISTRIBUTION SYSTEM ONLINE ANALYZERS REPLACEMENT
DISTRIBUTION SYSTEM REHABILITATION PROGRAM - ASSESS THE STATE OF MWD'S DISTRIBUTION SYSTEM
DISTRIBUTION SYSTEM RELIABILITY
DISTRIBUTION SYSTEM REPLACEMENT OF AREA CONTROL SYSTEMS - WILLOWGLEN RTUS ADMINISTRATION

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

DISTRIBUTION SYSTEM REPLACEMENT OF AREA CONTROL SYSTEMS (DSRACS)
DISTRIBUTION SYSTEM, CCPP CONSTRUCTION PACKAGES 9, 11, 12
DISTRIBUTION SYSTEM, TREATED WATER CROSS CONNECTION PREVENTION PROGRAM
DISTRIBUTION SYSTEM, TREATED WATER CROSS CONNECTION PREVITION PROJECT_FINAL DESI
DISTRIBUTION SYSTEM-REPLACE FLOWMETERS
DISTRIBUTION SYSTEM-REPLACE FLOWMETERS (RETIREMENT)
DISTRIBUTION SYSTEM-REPLACE MECHICAL METERS
DISTRIBUTION SYSTEM-REPLACE MECHICAL METERS - PHASE 2 (RETIREMENT)
DISTRICT WIDE - ENHANCED VAPOR RECOVERY PHASE 2 GASOLINE DISPENSING
DOMINGUEZ CHANNEL PRESSURE RELIEF STRUCTURE IMPROVEMENTS
DROUGHT RESPONSE WESTSIDE PUMP STATION
DSRACS - OPERATIONS CONTROL CENTER - CONTRACT #1396
DSRACS - SKINNER AREA
DSRACS - SOFTWARE DEVELOPMENT COST
DSRACS - WEYMOUTH
DVL & CONTROL SYSTEM REPLACEMENT INVESTIGATION & PREPARATION FOR PRELIMINARY DESIGN
DVL QUAGGA MUSSEL CONTROL FACILITY
DVL VIEWPOINT ROAD SECURITY UPGRADES
DVL VISITOR CENTER EXTERIOR LIGHTING REPLACEMENT
DVL, WORK PACKAGE 3, SAN DIEGO CANAL RELOCATION
DVL, WORK PACKAGE 46, SAN DIEGO PIPELINE
DWCV-01
DWCV-5
DWR-LAKE PERRRIS DISSOLVED OXYGEN ENHANCEMENT PROJ
EAGLE EQUIPMENT WASH AREA UPGRADE
EAGLE MOUNTAIN POOL REFURBISHMENT
EAGLE ROCK - ASPHALT REHABILITATION
EAGLE ROCK - FIRE PROTECTION AT THE WESTERN AREA OF THE EAGLE ROCK CONTROL CENTER PERIMETER GROUNDS
EAGLE ROCK CANYON CROSSING SCHEDULE 12C
EAGLE ROCK CHLORINE STATION
EAGLE ROCK CONNECTION AND LATERAL SCHEDULE 12P (SPEC NO. 395)
EAGLE ROCK CONTROL BUILDING
EAGLE ROCK CONTROL BUILDING SECOND STORY STRUCTURE
EAGLE ROCK CONTROL CENTER FIREHYDRANT
EAGLE ROCK CONTROL TOWER CATHOTIC PROTECTION REHABILITATION
EAGLE ROCK LATERAL INTERCONNECTION REPAIR
EAGLE ROCK MAIN BUILDING ROOF REPLACEMENT
EAGLE ROCK MAIN BUILDING ROOF REPLACEMENT - STUDY
EAGLE ROCK OCC - REHAB CONTROL ROOM
EAGLE ROCK OPERATION CONTROL CENTER & INCIDENT COMMAND CENTER ROOF REPLACEMENT
EAGLE ROCK OPERATIONS CONTROL CENTER
EAGLE ROCK RESIDENCE CONVERSION
EAGLE ROCK TOWER AND PUDDINGSTONE SPILLWAY GATES REHABILITATION
EAGLE ROCK TOWER DISTRIBUTION SYSTEM UPGRADES
EAGLE ROCK TOWER SLIDEGATE REHABILITATION
EAGLE ROCK TOWER, SLIDE GATES REHABILITATION
EAGLE ROCK-PALOS VERDES FEEDER SCHEDULE 21SC
EAGLE ROCK-PALOS VERDES FEEDER SCHEDULE 22SC
EAGLE ROCK-PALOS VERDES FEEDER SCHEDULE 23SC
EAGLE ROCK-PALOS VERDES FEEDER SCHEDULE 24SC
EAGLE ROCK-PALOS VERDES FEEDER SCHEDULE 25SC
EAST INFLUENT CHANNEL REPAIR PROJECT
EAST LAKE SKINNER BYPASS AND BYPASS NO.2 SCREENING STRUCTURE UPGRADE (SUSPENSE)
EAST OC FEEDER NO. 2 SERVICE CONNECTION A-06
EAST ORANGE COUNTY FDR NO.2, PRELIMINARY ENGINEERING
EAST ORANGE COUNTY FDR. DISSIPATOR STRUCTURE
EAST ORANGE COUNTY FEEDER #2 REPAIR
EAST ORANGE COUNTY FEEDER #2 SEISMIC RETROFIT
EAST ORANGE COUNTY FEEDER NO. 2 SERVICE CONNECTION A-6 REHABILITATION
EAST ORANGE COUNTY FEEDER NO.2- MWD"S PORTION
EAST ORANGE COUNTY FEEDER, SCHEDULE 81P
EAST ORANGE COUNTY FEEDER, STA 990+00 TO 1100+00
EAST VALLEY FEEDER (FORMERLY CALLEGUAS CONDUIT)
EAST VALLEY FEEDER -RELOCATION AT HOLLYWOOD WAY
EAST VALLEY FEEDER- STRUCTURE MODIFICATIONS
EAST VALLEY FEEDER VALVE STRUCTURE ELECTRICAL UPGRADE
EAST VALLEY FEEDER, STA 649+00 TO 664+00
EASTERN AND DESERT REGIONS PLUMBING RETROFIT
EASTERN METROPOLITAN WATER DISTRICT FACILITIES
EASTERN REGION DISTR SYS CATHODIC PROTECTION REMOTE MONITORING REFURBISHMENT
EASTERN REGION PCCP JOINT MODIFICATION 2012
EASTERN REGION PCCP JOINT MODIFICATIONS
E-DISCOVERY STORAGE MANAGEMENT SYSTEM UPGRADE
EGIS INFRASTRUCTURE UPGRADE
ELECTRIC CURRENT DRAIN STATION INSTALLATIONS
ELECTRICAL SERVICE- LOWER FEEDER CONTROL TOWER
ELECTRICAL UPGRADES AT 15 STRUCTURES IN THE ORANGE COUNTY REGION (STAGE 1)
ELECTRICAL UPGRADES AT 15 STRUCTURES, OC REGION
ELECTROMAGNETIC INSPECTION OF PCCP LINES
ELECTROMAGNETIC INSPECTIONS OF PCCP LINES
ELECTRONIC SYSTEM LOG (ESL)
EM-01
EM-04A
EM-05

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

EM-08
EM-10
EM-11
EM-12A
EM-12B
EM-13
EM-14
EM-17
EM-18
EM-19
ENCASEMENT OF P.V. FEEDER- SAN BERNARDINO FREEWAY
ENERGY MANAGEMENT SYSTEM - PHASE 2
ENHANCED DISTRIBUTION SYSTEM AUTOMATIC FLOW TRANSFERS SOFTWARE REDEVELOPMENT
ENHANCED DISTRIBUTION SYSTEM AUTOMATION PHASE I
ENHANCED DISTRIBUTION SYSTEM AUTOMATION PHASE II
ENHANCED DISTRIBUTION SYSTEM CONTROL
ENLARGE FOOTHILL FEEDER CONTROL STRUCTURE
ENTRY CONTROL POINT STANDARDIZATION AND PERIMETER DEFENSE STUDY
ENVIRONMENTAL REGULATORY AGREEMENTS AND OTHER REGULATORY AGENCY
EOCF2 OC-44B VALVE REPLACEMENT STA. 1239+29
EQUIPMENT - 1ST SAN DIEGO AQUEDUCT
EQUIPMENT UPGRADE AT THE NORTH PORTAL OF THE HOLLYWOOD TUNNEL
ETIWAND PPLN-REPLACE TURNOUT STRUCTURE
ETIWANDA / RIALTO PIPELINE INTER-TIE CATHODIC PROTECTION
ETIWANDA AUTOMATIC VOLTAGE REGULATOR REPLACEMENT
ETIWANDA CAVITATION FACILITY INFRASTRUCTURE REHABILITATION
ETIWANDA CAVITATION TEST FACILITY COMMUNICATION AND CONTROL SYSTEM REPLACEMENT
ETIWANDA HEP NEEDLE VALVE OPERATORS
ETIWANDA PIPELINE - LINING REPLACEMENT
ETIWANDA PIPELINE - RIALTO PIPELINE TO UPPER FEEDER
ETIWANDA PIPELINE AND CONTROL FACILITY - RIGHT OF WAY
ETIWANDA PIPELINE AND CONTROL FACILITY - AS BUILTS
ETIWANDA PIPELINE AND CONTROL FACILITY - CATHODIC PROTECTION
ETIWANDA PIPELINE AND CONTROL FACILITY - EMERGENCY DISCHARGE CONDUITS
ETIWANDA PIPELINE AND CONTROL FACILITY - LANDSCAPING AND IRRIGATION
ETIWANDA PIPELINE AND CONTROL FACILITY - RESIDENCES
ETIWANDA PIPELINE AND CONTROL FACILITY - RIALTO FEEDER TO UPPER PIPELINE
ETIWANDA PIPELINE CATHODIC PROTECTION
ETIWANDA PIPELINE LINING REPAIRS
ETIWANDA PIPELINE LINING REPLACEMENT
ETIWANDA PIPELINE LINING REPLACEMENT - STAGE 3
ETIWANDA PIPELINE RELINING - PHASE 3
ETIWANDA PIPELINE SOUTH - STA. 332+00 TO 349+00 & UPPER FEEDER - STA. 1078+00 TO 1083+00 PROTECTION
ETIWANDA PUMP STATION
ETIWANDA RESERVOIR - EXTEND OUTLET STRUCTURE
ETIWANDA TEST FACILITY
EXPIRED AND/OR MISC. LAND COSTS TRANSFERRED FROM LAND (12105)
F-01 CHECK VALVE REPLACEMENT
F-02
F-03
F-04
F-05
F-06
F-08
F-09
FACILITY AND PROCESS RELIABILITY ASSESSMENT
FAIRPLEX AND WALNUT PCS VALVES REPLACEMENT
FEMA 2005 STORM DAMAGE, EASTERN REGION
FEMA 2005 STORM DAMAGE, WESTERN REGION
FEMA CORROSION CONTROL EQUIPMENT
FEMA FLOW CONTROL STRUCTURE
FEMA OLINDA PRESSURE CONTROL FACILITY
FEMA PROJECT 700049
FEMA PROJECT 701208
FEMA PROJECT 701211
FEMA PROJECT 701222
FEMA PROJECT 701223
FEMA PROJECT 701269
FEMA PROJECT 701271
FEMA PROJECT 701273
FEMA PROJECT 701274
FEMA PROJECT 701277
FEMA PROJECT 701278
FEMA PROJECT 701279
FEMA PROJECT 701281
FEMA PROJECT 701285
FEMA PROJECT 701287
FEMA PROJECT 701288
FEMA PROJECT 701289
FEMA PROJECT 701303
FEMA PROJECT 701323
FEMA PROJECT 701381
FEMA PROJECT 701485
FEMA PROJECT 701487

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

FEMA PROJECT 701510
FEMA PROJECT 701538
FEMA PROJECT 701623
FEMA PROJECT 701628
FEMA PROJECT 701631
FEMA PROJECT WORKSHEET PW 1019
FEMA RED MT. HYDRO PLANT
FEMA SANTA ANA RIVER BRIDGE CROSSING
FIELD FACILITY-PURCHASE SIGNS FO AMERICANS W/DISABILITIES
FILTER ISOLATION GATE AND BACKWASH CONTROL WEIR COVERS MODULES 1- 6
FIRST SAN DIEGO ACQUEDUCT- REPLACE SLIDE GATES
FIVE DELIVERY CONNECTION WEST BASIN
FLEET MANAGEMENT SYSTEM
FLOW METER MODIFICATION
FLOW METER REPLACEMENT
FLOW METER REPLACEMENT PROJECT
FLOWMETER MODIFICATION - LAKE SKINNER INLET, ETIWANDA EFFLUENT & WADSWORTH CROSS CHANNEL
FM-01
FOOTHILL & SEPULVEDA FEEDER PCCP CARBON FIBER JOINT REPAIRS
FOOTHILL AND SEPULVEDA FEEDER PCCP CARBON FIBER JOINT REPAIRS
FOOTHILL AREA STUDY
FOOTHILL FDR.,RIALTO PIPELINE-CONSTN. OF CHLORINE DIFFUSION STRUCTURE
FOOTHILL FDR.-SCH.269 & 270, PIPELINE ,HERMOSA AVE. TO CITRUS AVE.
FOOTHILL FDR.-SCH.271 & 272, PIPELINE CITRUS AVE. TO DWR. DEVIL CANYON
FOOTHILL FEEDER - CASTAIC VALLEY BLOW-OFF VALVES REPLACEMENT
FOOTHILL FEEDER - MAGAZINE CANYON SITE IMPROVEMENT
FOOTHILL FEEDER ACOUSTIC FIBER OPTIC PCCP MONITORING SYSTEM
FOOTHILL FEEDER ADEN AVE REHABILITATION
FOOTHILL FEEDER ADEN AVE. REHABILITATION
FOOTHILL FEEDER CARBON FIBER REPAIR
FOOTHILL FEEDER CATHODIC PROTECTION
FOOTHILL FEEDER CONTROL STRUCTURE
FOOTHILL FEEDER HYDROELECTRIC PLANT RUNNER REPLACEMENT
FOOTHILL FEEDER MAGAZINE CANYON SHAFT
FOOTHILL FEEDER PCS VALVE REPLACEMENT
FOOTHILL FEEDER PIPELINE REPLACEMENT PROJECT
FOOTHILL FEEDER POWER PLANT EXPANSION
FOOTHILL FEEDER REPAIR @ SANTA CLARITA RIVER
FOOTHILL FEEDER RIALTO PIPELINE- SCH 268 (CAMPUS AV. TO HERMOSA AV.)
FOOTHILL FEEDER RIALTO PIPELINE- SCH. 264 &265(SAN DIMAS TO THMP.CRK)
FOOTHILL FEEDER RIALTO PIPELINE- SCH. 266 & 267
FOOTHILL FEEDER- SAN FERNANDO TUNNEL
FOOTHILL FEEDER, CARBON FIBER REPAIRS
FOOTHILL FEEDER, DALTON ADIT
FOOTHILL FEEDER, SAN DIMAS WASH
FOOTHILL FEEDERSYSTEM- SAN DIMAS FACILITIES, 2ND STAGE
FOOTHILL FOR SAN FERNANDO TNL-GATE STRCTR LIGHTING & ALARM SYSTEM
FOOTHILL HYDROELECTRIC RUNNER REPLACEMENT
FOOTHILL PCS - UNINTERRUPTIBLE POWER SOURCE SYSTEMS INSTALLATION
FOOTHILL PCS FLOOD PUMP INSTALLATION DESIGN DOCUMENTATION
FOOTHILL PCS INTERNAL VALVE LINERS UPGRADE
FOOTHILLL FEEDER EXPOSURE
FUEL MANAGEMENT SYSTEM
FUTURE SYSTEM RELIABILITY PROGRAM
G-02
G-03
GARVEY RESERVOIR - HYPOCHLORITE FEED SYSTEM
GARVEY RESERVOIR - INSTALL HYPOCHLORINATION STATIONS
GARVEY RESERVOIR - LOWER ACCESS PAVING ROAD & DRAINS
GARVEY RESERVOIR CONTROL VALVES REPLACEMENT
GARVEY RESERVOIR HYPOCLORITE FEED SYSTEM
GARVEY RESERVOIR SITE DRAINAGE REPAIRS AND MODIFICATIONS
GARVEY RESERVOIR SODIUM HYPOCLORITE FEED SYSTEM REHABILITATION
GARVEY-ASCOT CROSS CONN: STA. 134+00 TO 147+00 (SPEC NO. 401 & 410)
GARVEY-ASCOT CROSS FEEDER- REPLACE VALVE
GATE NO 3 - 1ST SAN DIEGO AQUEDUCT
GENE & IRON POOLS
GENE AIR CONDITIONING SYSTEM REPLACEMENT
GENE AIR CONDITIONING SYSTEM REPLACEMENT (103562)
GENE MESS HALL AIR CONDITIONING UNIT
GENE SPARE PARTS WAREHOUSE IMPROVEMENTS
GLENDALE 01 SERVICE CONNECTION REHAB
GLENDALE-01 SERVICE CONNECION REHABILITATION AND UPGRADE
GLENDALE-01 SERVICE CONNECTION REHABILITATION
GLENDORA TUNNEL
GLENDORA TUNNEL- CORROSION CNTRL SYS
GREG AVE PCS FACILITY REHABILITATION
GREG AVE. PCS-SURGE TANK, REPLACE INTERIOR LINING
GREG AVENUE CONTROL STRUCTURE VALVE REPLACEMENT
GREG AVENUE CONTROL STRUCTURE VALVE REPLACEMENT (103265)
GREG AVENUE PCS - PUMP MODIFICATIONS AND NEW CONTROL BUILDING
GREG AVENUE PCS CONTROL BUILDING INTERIOR REHABILITATION
GREG AVENUE PCS- SURGE TANK, REPLACE INTERIOR LINING
HINDS GARAGE ASBESTOS SHEETING REPLACEMENT

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

HOLLYWOOD TUNNEL (SPEC NO. 329)
HOLLYWOOD TUNNEL NORTH PORTAL EQUIPMENT UPGRADES
HOUSE AT EAGLE ROCK
HOUSE AT NORTH PORTAL OF HOLLYWOOD TUNNEL
HR IMPROVEMENT PLANT PROJECT - PHASE II
HVAC MODIFICATIONS FOR ELECTRICAL SAFETY AND RELIABILITY
HYDRAULIC MODELING PROJECT
HYDROELECTRIC PLANT CARBON DIOXIDE (CO2) FIRE SUPPRESSION SYSTEM MODIFICATIONS
HYDROELECTRIC POWER PLANT (HEP) DISCHARGE ELIMINATION
IAS PROJECTS - CPA
IAS PROJECTS - DVL-SKINNER
IAS PROJECTS - MILLS SUPPLY RELIABILITY
IMPROVEMENTS TO PUDDINGSTONE SPILLWAY ON UPPER FEEDER
INLAND FEEDER AND LAKEVIEW PIPELINE INTERTIE
INLAND FEEDER RIALTO FEEDER INTERTIE
INLAND FEEDER TO CITRUS RESERVOIR AND PUMP STATION INTERCONNECTIONS
INLAND FOR SYSTEM- BOX SPRINGS FEEDER
INLAND PCSUST REMOVAL & AST INSTALLATION
INSPECTION OF THE ALLEN-MCCOLLOCH PIPELINE
INSTALL FLOWMETER INST. AT DEVIL CANYON/ RIALTO
INSTALL MOTION SENSORS IN NEW EXPANSION
INSTALL TEST LEADS AT FOUR LOCATIONS
INSTALL TEST STATIONS ON 32 BURIED INSULATION JOINTS
INSULATION JOINT TEST STATIONS
INTAKE PUMPING PLANT - UNDER FREQUENCY PROTECTION RELAY UPGRADE
INTAKE ROAD- WIDEN BRIDGE
INTERCONNECT & PRESURE CONTROL STRUCTURE AT LOWER & OC FDR.
INTERCONNECT EAST ORANGE COUNTY FDR. NO.2 & ORG COUNTY FDR. (SPEC #681)
IOC - 2ND BBL 1ST SAN DIEGO AQUEDUCT
IOC - 2ND LOWER & W ORANGE CO FEEDERS, INTERCONNECT STRUCTURE REMOTE CONTROL
IOC - ACCUSONIC FLOW METER UPGRADE
IOC - ALLEN MCCOLLOCH PIPELINE REPAIR
IOC - ALLEN-MCCOLLOCH PIPELINE
IOC - AULD VALLEY PIPELINE
IOC - BOX SPRINGS FEEDER FABRICATION & INSTALLATION OF STEEL PIPE
IOC - CATHODIC PROTECTION, EAST ORANGE COUNTY FDR 2
IOC - CENTRALIZED CONTROL SYSTEM
IOC - DIEMER HABITAT CONSERVATION PLAN
IOC - DISTN SYSTEM REPLACE AREA CONTROL SYSTEMS
IOC - DISTN SYSTEM SPILL CONTAINMENT & REMEDIATION
IOC - DISTRIBUTION SYS TYPE "M" METER REPLACEMENT
IOC - DISTRIBUTION SYSTEM, MULTIPLE ADDRESS SPECTRUM SYSTEM
IOC - EAGLE ROCK OPERATIONS CONTROL CENTER
IOC - EAST VALLEY FEEDER, RELOCATION AT HOLLYWOOD WAY
IOC - EAST VALLEY FEEDER, STRUCTURE MODIFICATIONS
IOC - ENLARGE FOOTHILL FEEDER CONTROL STRUCTURE
IOC - ETIWANDA PIPELINE CATHODIC PROTECTION
IOC - FOOTHILL FDR, ELEC PWR BLOWOFF/CHLOR STRUCTURE
IOC - FOOTHILL FEEDER, SAN FERNANDO TUNNEL, GATE STRUCTURE LIGHTING & ALARM SYST
IOC - GREG AVENUE PCS, SURGE TANKS, REPLACE INTERIOR LINING
IOC - INSPECTION OF THE ALLEN-MCCOLLOCH PIPELINE
IOC - INTAKE ROAD, WIDEN BRIDGE
IOC - JENSEN FILT PLANT, NEW INFLUENT CONDUIT
IOC - LA VERNE FACILITIES, MATERIAL TESTING LABORATORY MODIFICATION
IOC - LA VERNE FACILITY, CORROSION MATERIAL TEST PLANT
IOC - LA VERNE MATERIAL TEST LAB, REPLACE COOLING SYSTEM
IOC - LAKE PERRIS BYPASS PIPELINE
IOC - LAKE PERRIS PUMPBACK FACILITY
IOC - LAKE PERRIS PUMPBACK FACILITY EXPANSION
IOC - LOW LEVEL TEHACHAPI TUNNEL, FEASIBILITY STUDY
IOC - LOWER FEEDER PROTECTION, IMPERIAL HWY AT ATSF RR TRACKS, SANTA FE SPRNGS
IOC - LOWER FEEDER, RELOCATE AT IMPERIAL HIGHWAY, STA 2163+50
IOC - MILLS FILT PLT, ADMIN BLDG EXPANSION
IOC - MILLS PLANT, SERVICE CONNECTION WR-24A TURNOUT STRUCTURE
IOC - MINOR CAPITAL PROJECTS FY 1988/89 - INGLEWOOD LATERAL
IOC - MINOR CAPITAL PROJECTS, BOX SPRINGS FDR, INSTALL CHLORINE DIFUSER
IOC - MINOR CAPITAL PROJECTS, YORBA LINDA FEEDER
IOC - MWD SHARE OF DESIGN AND CONSTRUCSTION OF SC LA-35
IOC - NEWHALL TUNNEL STEEL LINER
IOC - NEWHALL TUNNEL, INSTALL LINER
IOC - NEWHALL TUNNEL, LINER REPAIR
IOC - OLINDA PCS VIBRATION STUDY
IOC - OLINDA PCS, SECURITY FENCING AND PAVING
IOC - ORANGE CO FDR, DESIGN & CONSTRUCT FLOW CTRL FAC
IOC - ORANGE COUNTY FEEDER SERVICE CONN A-1, RELOC METER CABINET & ELEC SERV
IOC - ORANGE COUNTY FEEDER, RELOCATIION BETWEEN STA 473+21-52 & 473+5-82
IOC - PALOS VERDE FEEDER, WASHINGTON PCS, PLATFORMS/LADDERS
IOC - PALOS VERDES FDR WASHINGTON ST PCS
IOC - PALOS VERDES FEEDER CATHODIC PROTECTION SYSTEM
IOC - PALOS VERDES FEEDER, 108TH ST PCS, INSTALL ELECTRIC VALVE OPERATORS
IOC - PALOS VERDES FEEDER, RELOCATE HARBOR AND ARTESIA FREEWAYS
IOC - PIPELINES AND FEEDERS, CONSTRUCTION STANDPIPE BRACING
IOC - PV MIDDLE CROSS, MIDDLE FEEDERS, ELECTROLYSIS TEST STATION
IOC - REFURBISH SERVICE CONNECTION, LOWER MIDDLE FEEDER

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

IOC - REPLACEMENT OF 75 UNDERGROUND FUEL STORAGE TANKS, ALL FACILITIES
IOC - RIALTO PIPELINE AT DEVIL'S CANYON
IOC - RIALTO PIPELINE, DELIVERY FACILITIES FOR CYCLIC STORAGE
IOC - RIALTO PPLN, INSTALL 2 CATHODIC PROTECTION SYSTEM
IOC - SAN DIEGO CANAL ENLARGEMENT PHASE 2
IOC - SAN DIEGO CANAL MODIFICATION, 5 ADDITIONAL SIPHONS
IOC - SAN DIEGO PPLN 3 BYPASS
IOC - SAN DIEGO PPLNS 4 & 5 CORROSION CTRL SYS
IOC - SAN DIEO PIPELINE 5, SCH SD-17, TEMECULA TO DELIVERY POINT
IOC - SAN DIEO PIPELINE.5, SCH SD-17, TEMECULA TO DELIVERY POINT
IOC - SAN DIEO PPLN 5, SCH SD-16, SKINNER TO TEMECULA (SPEC NO. 1065)
IOC - SANTA ANA CROSS FEEDER, RELOCATE FLOWER STREET STORM DRAINAGE
IOC - SANTA MONICA FEEDER, SUNSET RELIEF STRUCTURE, MODIFY STA 433022
IOC - SEPULVEDA FDR, SCH 123 CORROSION MITIGATION
IOC - SERVICE CONN DW-CV-4, WHITE WATER SIPHON (2ND BARREL), STA 9698+00
IOC - SERVICE CONNECTION DW-CV-4, VALVE STRUCTURE & SIPHON, STA 9698+00
IOC - SKINNER BYPASS PIPELINE CHLORINATION SYSTEM
IOC - STRUCTURE MODIFICATIONS TO SAN DIEGO PIPELINE"S # 1 AND 2
IOC - TESTING PROGRAM AT YORBA LINDA TEST FACILITY
IOC - UPPER FEEDER CATHODIC PROTECTION SCH 25
IOC - UPPER FEEDER SANTA ANA RIVER BRIDGE SEISMIC MODIFICATION
IOC - UPPER FEEDER, MANHOLE MODIFICATION, STATION 1464+50
IOC - UPPER FEEDER, MANHOLE MODIFICATION, STATION 1495+54
IOC - UPPER FEEDER, MANHOLE MODIFICATION, STATION 1757+86
IOC - UPPER FEEDER, MODIFY PUDDINGSTONE SPILLWAY, STA 1950+62.71
IOC - UPPER FEEDER, ROAD ACCESS TO SANTA ANA BRIDGE
IOC - WEST ORANGE COUNTY FEEDER PCS, INSTALL 480V 3 PHASE ELEC SERVICE
IOC - WEST ORANGE COUNTY FEEDER RELOCATION AT STA 456+00
IOC - WEST ORANGE COUNTY FEEDER, RELOCATE STATIONS 132+16 TO 132+74
IOC - WEST VALLEY FACILITIES STUDY
IOC - YORBA LINDA FEEDER BYPASS
IRON MOUNTAIN - TRANSFORMER OIL TANK RELOCATION
JENSEN & MILLS OXIDATION RETROFIT
JENSEN AND WESTERN REGION ELECTRICAL CONTROLS REHABILITATION
JENSEN DISTRIBUTION SYSTEM - REPLACEMENT OF AREA CONTROL SYSTEMS - CONTRACT # 1396
JENSEN EGEN UST UPGRADE - LINE LEAK DETECTOR INSTALLATION
JENSEN FILTER BACKWASH BIOLOGICAL CONTROL SYSTEM
JENSEN FILTER EFFLUENT TURBIDIMETER RELIABILITY
JENSEN FILTR. PLANT- NEW INFLUENT CONDUIT
JENSEN FILTR. PLANT- TURBIDIMETERS
JENSEN FILTRATION PLANT - REPLACE ADMINISTRATION BUILDING AIR CONDITIONING
JENSEN FILTRATION PLANT - ROAD RECONSTRUCTION
JENSEN IRRIGATION LINE REPLACEMENT
JENSEN OUTLET CHLORINE DIFFUSER AND SAMPLE PUMP MODIFICATIONS
JENSEN OZONE SYSTEM PLC CONTROL & COMMUNICATION EQUIPMENT UPGRADE
JENSEN PLANT- SERVICE CONNECTION - LA 25
JENSEN PLANT-BY PASS PIPELINE
JENSEN SOLAR FACILITY
JENSEN/CANYON FEMA FIRE DAMAGE
KIMBERLY STORM CHANNEL-ORANGE COUNTY FEEDER (ORG CONST)
LA VERNE BUILDING 40 COMPRESSED AIR UPGRADES
LA VERNE FACILITIES - BRIDGEPORT E-2-PATH
LA VERNE FACILITIES - ENERGY CONSERVATION ECM1 - 10
LA VERNE FACILITIES - EXPANSION OF THE SANITARY SEWER
LA VERNE FACILITIES - HAZARDOUS WASTE STORAGE
LA VERNE FACILITIES - MAIN TRANSFORMERS REPLACEMENT
LA VERNE FACILITIES - MATERIAL TESTING LABORATORY MODIFICATION
LA VERNE FACILITIES - MATERIALS TESTING LABORATORY
LA VERNE FACILITIES - REPLACEMENT OF FLOCCULATOR STUB SHAFT - BASINS 1 & 2
LA VERNE FACILITIES, UPPER FDR PUDDINGSTONE SPILLWAY, CROSS CONNECTION
LA VERNE FACILITY-CORROSION MATERIAL TEST PLT
LA VERNE MACHINE SHOP - AIR CONDITIONING UNIT REPLACEMENT
LA VERNE MACHINE SHOP - REPAIR HORIZONTAL BORING MILL
LA VERNE MACHINE SHOP SWAMP COOLER REPLACEMENT (103929)
LA VERNE PIPELINE
LA-02
LA-03
LA-04
LA-06
LA-07
LA-08
LA-09
LA-10
LA-11
LA-12
LA-13
LA-15
LA-16
LA-21A
LA-22
LA-23
LA-24
LA-25
LA-30

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

LA-31
LA-33
LA-35
LA-35 DISCHARGE STRUCTURE REPAIRS
LA-35 DISCHARGE STRUCTURE REPAIRS
LADWP CONNECTION IN MAGAZINE CANYON
LAKE MATHEWS - CONSTRUCTION OF BACKUP COMPUTER FACILITIES
LAKE MATHEWS - DIVERSION TUNNEL WALKWAY REPAIR
LAKE MATHEWS - FACILITY WIDE EMERGENCY WARNING AND PAGING SYSTEM
LAKE MATHEWS - FOREBAY MCC ROOF IMPROVEMENT
LAKE MATHEWS - MAIN DAM TOE SEEPAGE COLLECTION
LAKE MATHEWS - MULTIPLE SPECIES MANAGER'S OFFICE & RESIDENCE
LAKE MATHEWS - RENOVATION OF BLDGS. 8 & 15, GENERAL ASSEMBLY & ADMIN. BLDG. OFFICE AREAS
LAKE MATHEWS - RETROFIT LOWER ENTRANCE GATE SWING ARM
LAKE MATHEWS FACILITIES WIDE EMERGENCY WARNING/PAGING SYSTEM
LAKE MATHEWS FENCING SECURITY UPGRADE
LAKE MATHEWS FOREBAY MCC ROOF IMPROVEMENT
LAKE MATHEWS HEADWORKS- REPLACE TWO VALVES (WO #3543)
LAKE MATHEWS HEAVY AND LIGHT VEHICLE SHOP PROPANE TANKS
LAKE MATHEWS MAIN DAM TOE SEEPAGE COLLECTION
LAKE MATHEWS RETROFIT LOWER ENTRANCE GATE SWING ARM
LAKE PERRIS BY PASS PIPELINE
LAKE PERRIS BY PASS PIPELINE- CLAIMS
LAKE PERRIS BYPASS PIPELINE EXPLORATION
LAKE PERRIS BYPASS PIPELINE RELINING
LAKE PERRIS DISSOLVED OXYGEN ENHANCEMENT (CAPITAL PORTION)
LAKE PERRIS EMERGENCY STANDBY GENERATOR AND TRANSFER SWITCH REPLACEMENT
LAKE PERRIS EMERGENCY STANDBY GENERATOR SYSTEM REPLACEMENT
LAKE PERRIS EMERGENCY STANDBY GENERATOR SYSTEM REPLACEMENT (103909)
LAKE PERRIS PIPELINE RELINING
LAKE PERRIS PUMPBACK FACILITY
LAKE PERRIS PUMPBACK FACILITY EXPANSION
LAKE PERRIS PUMPBACK FACILITY-EXPANSION NO.2
LAKE SKINNER - AERATOR AIR COMPRESSOR REPLACEMENT
LAKE SKINNER - OUTLET TOWER VALVE REHABILITATION
LAKE SKINNER - REPLACEMENT AERATOR RING
LAKE SKINNER AERATOR AIR COMPRESSOR REPLACEMENT
LAKE SKINNER AREA DISTRIBUTION SYSTEM VALVE REPLACEMENT
LAKE SKINNER BYPASS PIPELINE #2 AND #3
LAKE SKINNER C&D BUILDING REHABILITATION
LAKE SKINNER CATHODIC PROTECTION
LAKE SKINNER DAM ROAD REHAB
LAKE SKINNER EAST BYPASS SCREENING STRUCTURES
LAKE SKINNER EAST BYPASS STRUCTURE REHABILITATION
LAKE SKINNER OUTLET TOWER CHLORINE SYSTEM MODIFICATION
LAKE SKINNER OUTLET TOWER VALVE
LAKE SKINNER WEST BYPASS SCREENING STRUCTURE
LAKE SKINNER WEST BYPASS SCREENING STRUCTURE REHABILITATION
LAKE VIEW PIPE LINE REPAIRS
LAKE VIEW PIPELINE- SCH. 310,312 AND 313
LAKE VIEW PIPELINE/INLAND FEEDER PCS ABOVE GROUND STORAGE TANK FOR DIESEL FUEL
LAKE VIEW PIPELINE-INSTALL CATHODIC PROTECTION-STATION 2210+00
LAKEVIEW PIPELINE - REPLACE VACUUM/AIR RELEASE
LAKEVIEW PIPELINE CATHODIC PROTECTION SYSTEM
LAKEVIEW PIPELINE CATHODIC PROTECTION SYSTEM REHABILITATION
LAKEVIEW PIPELINE IMPROVEMENTS
LAKEVIEW PIPELINE LEAK REPAIR AT ST 2510+49
LAKEVIEW PIPELINE RELINING
LAKEVIEW PIPELINE RELINING - STAGE 2
LAKEVIEW PIPELINE RELINING - STAGE 3
LAKEVIEW PIPELINE REPAIR
LAKEVIEW PIPELINE UPGRADE
LAKEVIEW PIPELINE, REPLACE VACUUM/AIR RELEASE
LA-MISC
LAVERNE - REPLACE COOLING SYS - MAT"L TEST LAB
LAVERNE - RREPLACE COOLING SYSTEM - MATERIAL TEST LAB (PROJECT 100866)
LAVERNE FACILITY - MATERIALS TESTING LAB RENOVATION
LB-02
LB-03
LB-04
LB-07
LB-08
LB-MISC
LIVE OAK RESERVOIR BYPASS PIPELINE CATHODIC PROTECTION
LIVE OAK RESERVOIR PIPELINE CATHODIC PROTECTION
LIVE OAK RESERVOIR PIPELINES CATHODIC PROTECTION
LONG BEACH LATERAL : SECTIONALIZING VALVE STRUCTURE
LONG BEACH LATERAL EXTENSION SCHEDULE 41P (SPEC NO. 342)
LONG BEACH LATERAL SCHEDULE 26SC (SPEC NO. 293)
LOS ANGELES COUNTY NORTH C AND D REGION ELECTRICAL STRUCTURES REHAB
LOS ANGELES COUNTY SOUTH C AND D REGION ELECTRICAL STRUCTURES REHAB
LOW LEVEL TEHACHAPI TUNNEL- FEASIBILITY STUDY
LOWER FDR, SCHEDULE 80SC, MISCELLANEOUS CREDITS
LOWER FDR, SCHEDULE 80SC, MISCELLANEOUS CREDITS

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

LOWER FDR: CAJALCO TUNNEL TO CORONA PIPELINE, SCH 71P
LOWER FDR: CAJALCO TUNNEL: STA. 1+00 TO 80+00 (SPEC NO. 413)
LOWER FDR: STA. 988+54.00 TO 1031+52.75 (SCH. 75P)
LOWER FDR:STA. 77+45 TO 282+50(CAJALCO TNL.TO E. BND.OF CORONA) SCH 70P
LOWER FDR-RELOCATE IN IMPERIAL HIGHWAY, STA 2163+50
LOWER FEEDER - CATHODIC PROTECTION
LOWER FEEDER BLOW-OFF DRAIN LINE REPLACEMENTS
LOWER FEEDER CATHODIC PROTECTION SYSTEM REHABILITATION
LOWER FEEDER- CONSTRUCTION OF BLOWOFF STRUCTURE AT STA. 80+40
LOWER FEEDER PROTECTION, IMPERIAL HWY AT ATSF RR TRACKS, SANTA FE SPRNGS
LOWER FEEDER STANDPIPE #22 REHABILITATION
LOWER FEEDER WR 33 - AREA REPAIR AND REMEDIATION
LOWER FEEDER, ALLEN MCCOLLCOCH
LOWER FEEDER, SCHEDULE 79C
LOWER FEEDER, SCHEDULE 80SC
LOWER FEEDER, STA 359+10
LOWER FEEDER, STA 421+15 TO 457+85
LOWER FEEDER: STA. 663+00 TO 793+80, SCH. 73SC (SPEC 455)
LOWER FEEDER: STA. 793+80 TO 919+54 SCH. 72, 73, 74
LOWER FEEDER:COTTAGE & DOUBLE GARAGE NEAR CNTRL.TOWER (SA CYN.)
LOWER FEEDER:STA.524+05 TO 663+00(W.BND.OF CORONA TO SA RIVER CYN.)
LV-02
LV-03
MAGAZINE CANYON CANOPY
MAGAZINE CANYON, ISOLATON GATE JACKING FRAME
MAGAZINE CANYON, VALVE REPLACEMENT FOR SAN FERNANDO TUNNEL
MAGAZINE CANYON-ISOLATION GATE JACKING FRAME
MECHANICAL / VENTURI TYPE METERS- DISTR SYSTEM (INTERIM CONST)
METER & CHLORINATION EQUIPMENT - ORANGE COUNTY FEEDER
METER- SERVICE CONNECTION PM - 17 UPPER FEEDER (INTERIM CONST)
METERING CIRCUITS MODIFICATIONS AT ETIWAND AND VALLEY VIEW POWER
MICROWAVE COMMUNICATION SITES BUILDING UPGRADE
MIDDLE CROSS FDR: STA 0+09.98 TO 285+40-GARFIELD-WADSWORTH AVE
MIDDLE CROSS FDR:STA.285+40 TO 360+62.29(WADSW0RTH-FIGUEROA ST) (SCH 54SC)
MIDDLE CROSS FDR:STA.285+40 TO 360+62.29(WADSW0RTH-FIGUEROA ST) (SCH 55SC)
MIDDLE CROSS FEEDER CATHODIC PROTECTION
MIDDLE FDR: STA. 7+53.65 TO 301+00 (GRAND AVE-BALDWIN PK.)SCH 57SC
MIDDLE FDR: STA. 7+53.65 TO 301+00 (LA VERNE-GRAND AVE.)SCH 56SC
MIDDLE FDR: STA. 759+00 TO 944+00 (BALDWIN PK-SO SAN GABE) SCH 59SC
MIDDLE FDR: STA.944+00 TO 1105+50 (SO SAN GABE-GARVEY RSVR) SCH 59A
MIDDLE FEEDER - CATHODIC PROTECTION SYSTEMS
MIDDLE FEEDER - NORTH CATHODIC PROTECTION SYSTEM
MIDDLE FEEDER BLOW-OFF VALVE REPLACEMENT AT STA 782+53.16
MIDDLE FEEDER CHLORINATION STRUCTURE REHABILITATION AT WEYMOUTH WTP
MIDDLE FEEDER NORTH CATHODIC PROTECTION
MIDDLE FEEDER NORTH CATHODIC PROTECTION SYSTEM
MIDDLE FEEDER NORTH DRAINAGE AND PROTECTION RESTORATION
MIDDLE FEEDER PROTECTION AT RUSH ST. AND WALNUT GROVE AVE.
MIDDLE FEEDER- RELOCATE DURFEE AVE. STA. 758+00 TO 771+00
MIDDLE FEEDER RELOCATION FOR SCE MESA SUBSTATION
MIDDLE FEEDER SCHEDULE 76SC (SPEC NO. 524)
MIDDLE FEEDER SCHEDULE 77SC (SPEC NO. 524)
MIDDLE FEEDER SCHEDULE 78SC (SPEC NO. 524)
MIDDLE FEEDER SOUTH BLOWOFF VALVE REPLACEMENT AT STA.782+54
MIDDLE FEEDER: STA. 244+75 TO 247+45 (SPEC NO. 416)
MIDDLE FEEDER:COTTAGE AND GARAGE AT RIO HONDO STRUCTURE
MILLS EGEN USST UPGRADE - LLD INSTALLATION
MILLS EMERGENCY GENERATOR PLC UPGRADE
MILLS FILT PLT, ADMIN BLDG EXPANSION
MILLS FILTR. PLANT- SERVICE CONNECTION WR-24A TURNOUT STRUCTURE
MILLS FILTRATION PLANT - INVESTIGATION TO RELOCATE ACCESS ROAD
MILLS PLANT (103469)
MILLS TURBIDITY EVENT, DR 1952, DECEMBER 2010 STATEWIDE STORMS
MILLS WEIR GATE AND FILTER VALVE REHABILITATION
MILLS, REPLACE WILLOWGLEN RTU
MINOR CAP 08/09 PLACEHOLDER
MINOR CAP FY 2009/10
MINOR CAP FY 2012/13
MINOR CAP FY 2014/16
MINOR CAPITAL PROJ - BOX SPRINGS FDR, INSTALL CHLOR DIFUSER
MINOR CAPITAL PROJ - FOOTHILL FDR, ELEC PWR BLOWOFF/CHLOR STRUC
MINOR CAPITAL PROJ - SD PIPEL #4 &5-CORR CNTRL SYS
MINOR CAPITAL PROJ - SEPULVEDA FDR, SCH 123/ CORR MITIGATION
MINOR CAPITAL PROJECTS FOR FY 1989/90 - LONG BEACH LATERAL
MINOR CAPITAL PROJECTS FOR FY 1989/90 - SANTIAGO LATERAL CONTROL
MINOR CAPITAL PROJECTS FY 1988/89 - 2ND LOWER FEEDER
MINOR CAPITAL PROJECTS FY 1988/89 - INGLEWOOD LATERAL
MINOR CAPITAL PROJECTS FY 1988/89 - SANTA ANA CROSS FEEDER
MINOR CAPITAL PROJECTS FY 1988/89 - SEPULVEDA FEEDER
MINOR CAPITAL PROJECTS FY 1988/89 - WEST VALLEY FEEDER (50/50)
MINOR CAPITAL PROJECTS FY 2011-2012
MINOR CAPITAL PROJECTS- FY 74-75
MINOR CAPITAL PROJECTS- LAKEVIEW PIPELINE
MINOR CAPITAL PROJECTS PROGRAM 07/08 - REMAINING FUNDS

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

MINOR CAPITAL PROJECTS-DIST SYS, MULTIPLE ADDRESS SPECTRUM SYSTEM
MINOR CAPITAL PROJECTS-YORBA LINDA FEEDER
MISC
MODIFICATIONS OF EM-14 SERVICE CONNECTION
MONROVIA CANYON CROSSING SCHEDULE 9C
MONROVIA TUNNEL NO. 4
MONROVIA TUNNELS NO.1 & NO.2
MONROVIA TUNNELS NO.3
MONUMENT SIGNS FOR THE DIAMOND VALLEY LAKE FACILITY EAST AND WEST ENTRANCES
MORRIS RESERVOIR CONNECTION (SPEC NO. 338)
MOUNT OLYMPUS TUNNEL COST RIGHT-OF-WAY (ROW)
MP-01
MWD ROAD GUARDRAIL
MWD SHARE FOR DESIGN AND CONSTRUCSTION OF SC. LA-35
MWD UNION STATION HEADQUARTERS VISITOR SECURITY SCREENING
NEW EMERGENCY SERVICE CONNECTION ON THE SEPULVEDA FDR FOR LADWP
NEWHALL AND BALBOA INLET TUNNELS
NEWHALL TUNNEL- LINER REPAIR
NEWHALL TUNNEL STEEL LINER REPAIR
NEWHALL TUNNEL-INSTALL LINER
NITROGEN STORAGE COMPLIANCE AT DVL, INLAND FEEDER PCS, AND LAKE MATHEWS
NITROGEN STORAGE STUDY
NO. PORTAL NEWHALL TUNNEL (CANCELLED)
NON PCCP LINES CONDITION INSPECTION AND ASSESSMENT
NORTH PORTAL OF HOLLYWOOD TUNNEL
NORTH REACH CONSTRUCTION / INSPECTION / CM
NORTH REACH CONSTRUCTION/ASBUILT
NORTH REACH ENVIRONMENTAL - CONSTRUCTION
NORTH REACH FINAL DESIGN & ADV/NTP
NORTH REACH POST DESIGN / ASBUILT
NORTH REACH PROGRAM MANAGEMENT - CONSTRUCTION
NORTHERN PIPELINE ENVIRONMENTAL FINAL DESIGN
NORTHERN PIPELINE RIGHT OF WAY FINAL DESIGN
OAK ST PCS REHABILITATION
OAK ST. PCS ROOF REPLACEMENT
OAK STREET PCS - VALVE REPLACEMENT
OAK STREET PCS- VALVE REPLACEMENT
OAK STREET PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT
OAK STREET PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT - CONSTRUCTION
OAK STREET PRESSURE CONTROL STRUCTURE VALVE ACTUATOR REPLACEMENT
OC - 70
OC - 70
OC - 71 SERVICE CONNECTION REPAIRS
OC 44 SERVICE CONNECTIONS & EOC#2 METER ACCESS ROAD REHAB
OC 88 FIRE SYSTEM PROTECTION UPGRADES
OC 88 PUMPING PLANT REHABILITATION
OC CATHODIC PROTECTION STA 1467+15 TO STA 2053+97
OC FEEDER CATHODIC PROTECTION SYSTEM REHABILITATION
OC FEEDER STA 1920+78 BLOWOFF STRUCTURE & RIP-RAP REPAIRS
OC RESERVOIR SODIUM HYPOCHLORITE PUMP AND PIPING REPLACEMENT
OC-01
OC-03
OC-03T
OC-04
OC-06
OC-07
OC-14
OC-18
OC-20
OC-21
OC-22
OC-23
OC-24
OC-25
OC-26
OC-27
OC-29
OC-30
OC-31
OC-32A
OC-33
OC-34
OC-35
OC-36
OC-37
OC-38 SERVICE CONNECTION MODIFICATION
OC-45
OC-46
OC-49
OC-50
OC-51
OC-52
OC-53
OC-54

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

OC-55
OC-56
OC-57
OC-59
OC-60
OC-61
OC-62
OC-63
OC-71 FLOW CONTROL FACILITY
OC-73
OC-88 - SECURITY FENCING AT PUMP PLANT
OC-88 EMERGENCY STANDBY GENERATOR UPGRADE STUDY
OC-88 FIRE PROTECTION UPGRADE
OC-88 PUMP PLANT AIR COMPRESSOR UPGRADE
OC-88 PUMP STATION CHILLERS REPLACEMENT
OC-88 PUMP STATION FLOW METER UPGRADE
OC-88 PUMP STATION PLC UPGRADE
OC-88 PUMP STATION UPGRADES
OC-88 PUMPING PLANT SURGE TANK UPGRADES
OC-88 PUMPING PLANT SURGE TANKS UPGRADES
OC-88 PUMPING PLANT UPGRADES
OC-88 PUMPING STATION, ENERGY SAVINGS
OC-89 AND OC-90 FLOW METER REPLACEMENT
OC-9
OC-MISC
OFFSITE WATER SERVICE - EASTERN MUNICIPAL WATER DISTRICT
OLINDA PCS AND SANTIAGO TOWER EMERGENCY GENERATORS
OLINDA PCS- SECURITY FENCING AND PAVING
OLINDA PCS VALVE REPLACEMENT
OLINDA PCS VIBRATION STUDY
OLINDA PRESSURE CONTROL FACILITY PAVEMENT REPAIR
OLINDA PRESSURE CONTROL STRUCTURE
OLINDA PRESSURE CONTROL STRUCTURE AND SANTIAGO TOWER EMERGENCY GENERATORS
OLINDA PRESSURE CONTROL STRUCTURE- LOWER FEEDER
OLINDA PRESSURE CONTROL STRUCTURE, VIBRATION MITIGATION, ROW ACQUISITION
ON-CALL RESOURCES MANAGEMENT APPLICATION
OPERATIONS CONTROL CENTER AT EAGLE ROCK
OPERATIONS CONTROL CENTER UPS REPLACEMENT
OPERATIONS SCOPING STUDY
ORANGE CO FDR, BLOW-OFF STRUCTURE AND ACCESS ROAD REPAIR
ORANGE CO FDR, FLOW CONTROL FACILITY
ORANGE COUNTY - 88 PUMP PLANT AIR COMPRESSOR UPGRADE
ORANGE COUNTY - 88 SECURITY FENCING AT PUMP PLANT
ORANGE COUNTY - CENTRAL CONTROL SYSTEM
ORANGE COUNTY AND RIVERSIDE/SAN DIEGO COUNTY OPERATING REGIONS VALVE REPLACEMENT
ORANGE COUNTY AREA DISTRIBUTION SYSTEM VALVE REPLACEMENT
ORANGE COUNTY C & D ELECTRICAL IMPROVEMENTS - STUDY
ORANGE COUNTY C&D ELECT STRUCT REHAB - STAGE 2
ORANGE COUNTY C&D INSTRUMENTATION PANEL IMPROVEMENTS
ORANGE COUNTY C&D REGION SERVICE CENTER
ORANGE COUNTY C&D TEAM SUPPORT FACILITY
ORANGE COUNTY CONVEYANCE AND DISTRIBUTION SERVICE CENTER
ORANGE COUNTY FDR - SVC CONN SA-3, REPLACE MECHICAL METER
ORANGE COUNTY FDR.-RELOCATE PRESSURE RELIEF STRUC.,STA 1772+72
ORANGE COUNTY FDR.SERV.CONN.A-1,RELOC.METER CABINET & ELEC.SERV.
ORANGE COUNTY FEEDER
ORANGE COUNTY FEEDER CATHODIC PROTECTION
ORANGE COUNTY FEEDER- CATHODIC PROTECTION
ORANGE COUNTY FEEDER CATHODIC PROTECTION SYSTEM REHABILITATION
ORANGE COUNTY FEEDER DEWATERING IMPROVEMENTS
ORANGE COUNTY FEEDER EXTENSION LINING REPAIR
ORANGE COUNTY FEEDER- EXTENSION PROJECT FOR FREEWAY
ORANGE COUNTY FEEDER EXTENSION SCHEDULE 42S
ORANGE COUNTY FEEDER EXTENSION- VALVE STRUCTURE
ORANGE COUNTY FEEDER EXTN.TERMINUS REVISION:STA.2053+43 TO 2134+81
ORANGE COUNTY FEEDER EXTN: ADDTL" VALVES AT WILLITS ST. STRUCTURE
ORANGE COUNTY FEEDER INSPECTION
ORANGE COUNTY FEEDER INTERNAL INSPECTION STUDY
ORANGE COUNTY FEEDER LINING REPAIR - REACH 2
ORANGE COUNTY FEEDER LINING REPAIRS
ORANGE COUNTY FEEDER PRESSURE CONTROL STRUCTURES
ORANGE COUNTY FEEDER RELINING
ORANGE COUNTY FEEDER RELINING - REACH 3
ORANGE COUNTY FEEDER RELINING - REACHES 1 & 2
ORANGE COUNTY FEEDER RELOCATION (SPEC NO. 618)
ORANGE COUNTY FEEDER RELOCATION AT BALL ROAD
ORANGE COUNTY FEEDER RELOCATION IN FULLERTON
ORANGE COUNTY FEEDER- RELOCATION STA. 1278+00 TO 1292+00
ORANGE COUNTY FEEDER- REPLC. 20
ORANGE COUNTY FEEDER SCHEDULE 34P
ORANGE COUNTY FEEDER SCHEDULE 35P
ORANGE COUNTY FEEDER SCHEDULE 36P
ORANGE COUNTY FEEDER SCHEDULE 37SC
ORANGE COUNTY FEEDER SCHEDULE 37SC CATHODIC PROTECTION

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

ORANGE COUNTY FEEDER STA 1920+78 BLOWOFF STRUCTURE & RIP-RAP REPAIRS
ORANGE COUNTY FEEDER:INCASEMENT AT SANTA ANA FREEWAY CROSSING
ORANGE COUNTY FEEDER:MOTOR OPERATED FLOW REGULATING VALVE
ORANGE COUNTY FEEDER-CONSTRUCT BLOWOFF STRUCTURE AT STA. 251+00
ORANGE COUNTY FEEDER-MODIFY SANTA ANA RELIEF STRUCTURE
ORANGE COUNTY FEEDER-RELOCATE PIPE,STA. 473+21-52 TO STA. 473+5-82
ORANGE COUNTY FEEDER-RELOCATION AT KIMBERLY STORM CHANNEL
ORANGE COUNTY PIPELINES RIGHT-OF-WAY INFRASTRUCTURE
ORANGE COUNTY REGION C AND D ELECTRICAL STRUCTURES REHABILITATION
ORANGE COUNTY REGION ENVIRONMENTAL MITIGATION MONITORING
ORANGE COUNTY REGION RTU AIR CONDITIONER UNIT 1
ORANGE COUNTY RELIABILITY IMPROVEMENTS
ORANGE COUNTY RESERVOIR - INSTALL HYPOCHLORINATION STATIONS
ORANGE COUNTY RESERVOIR - PIEZOMETERS & SEEPAGE MONITORING AUTOMATION
ORANGE COUNTY RESERVOIR PIEZOMETERS AND SEEPAGE MONITORING AUTOMATION
ORMOND BEACH PROPERTY ACQUISITION
OXIDATION DEMONSTRATION PLANT CONTROL SYSTEM REPLACEMENT
P-02
P-03
P-04
P-05
P103016 OC-88 PUMPING STATION, ENERGY SAVINGS
P103329 SAN DIEGO PPLN 6, NORTH REACH FINAL DESIGN/ADV/NTP
P103331 NORTHERN PIPELINE RIGHT OF WAY FINAL DESIGN
P103485 SAN DIEGO PIPELINE 6, NORTH REACH
P103558 SAN DIEGO PIPELINE 6 NORTH REACH
P103560 SD6 - NORTH REACH POST DESIGN
P103567 PERRIS VALLEY PIPELINE, GENERAL
P103725 ENTRY CONTROL POINT STANDARDIZATION AND PERIMETER DEFENSE STUDY
P103726 CRITICAL LOCK IDENTIFICATION AND CHANGE-OUT
P103764 PERRIS VALLEY PIPELINE
P103765 PERRIS VALLEY PIPELINE TIE-IN (EMWD)
P103766 PERRIS VALLEY PIPELINE VALVE
P103801 SECURITY FENDING AT OC-88 PUMP PLANT
P103808 SAN DIEGO PIPELINE #4 VALVE REPLACEMENT
P103858 PERRIS VALLEY PIPELINE, NORTH REACH
P103946 SAN DIEGO PIPELINE REPAIR AT STATION 1268+57
P103994 BOX SPRING FEEDER REPAIR, PHASE 2
P103997 COPPER BASIN INTERIM CHLORINATION SYSTEM
P104027 MAGAZINE CANYON, VALVE REPLACEMENT FOR SAN FERNANDO TUNNEL
P104051 LAKE PERRIS BYPASS PIPELINE EXPLORATORY EXCAVATION
P104078 CROSS CONNECTION PREVENTION PROGRAM, PHASE II CONSTRUCTION
P104196 CALABASAS FEEDER STAGE 1 AND 2 REPAIRS
P104264 RELOCATION OF SC CENB-11 METER CABINET AND AIR VENT STRACK
P104614 INLAND FEEDER AND LAKEVIEW PIPELING INTERTIE
P104663 WEYMOUTH SOLAR POWER FACILITIES
P104685 WILLITS ST. PCS VALVE ACTUATOR REPLACEMENT
P104706 JENSEN OUTLET CHLORINE DIFFUSER AND SAMPLE PUMP MODIFICATIONS
P104731 WR-24D FLOWMETER REPLACEMENT
P104741 EAGLE ROCK CONTROL TOWER CATHOTIC PROTECTION REHABILITATION
P104760 SEPULVEDA FEEDER PCCP 2016 URGENT REPAIRS
P104790 MONUMENT SIGNS FOR DVLAKE FACILITY EAST AND WEST ENTRANCES
P104841 WEYMOUTH FLOCCULATOR REHABILITATION
P104871 CRA EAGLE MOUNTAIN PUMPING PLANT - DOMESTIC WATER LINE INSULATION
P104874 SECOND LOWER FEEDER PCCP REHABILITATION
P104876 SECOND LOWER FEEDER PCCP REHABILITATION - REACH 2
P104877 SECOND LOWER FEEDER PCCP REHABILITATION - REACH 3
P104881 SECOND LOWER FEEDER PCCP REHABILITATION
P104883 SECOND LOWER FEEDER PCCP REHABILITATION - REAL PROPERTY ACQUISITION
P104916 DVL ANGLER AVENUE ACCESS PROJECT
P104937 WHEELER GATE STORMWATER IMPROVEMENT
P104958 SKINNER ORP SWITCHGEAR BATTERY REPLACEMENT
P104959 SCADA NETWORK INTRUSION DETECTION SYSTEM
P104961 LAKE MATHEWS FENCING SECURITY UPGRADE
P104971 SKINNER SPILLWAY REHABILITATION
P104976 WATER ORDERING & EVENT SCHEDULING SYSTEM
P104991 JENSEN EGEN UST UPGRADE - LINE LEAK DETECTOR INSTALLATION
P104992 MILLS EGEN USST UPGRADE - LLD INSTALLATION
P104993 SKINNER EGEN UST UPGRADE - LLD INSTALLATION
P104994 UNION STATION EGEN UST UPGRADE, LINE LEAK DETECTOR INSTALLATION
P104996 EGIS INFRASTRUCTURE UPGRADE
P105002 SEPULVEDA WEST VALLEY AND EAST VALLEY FEEDERS INTERCONNECTION
P105023 SCADA NETWORK FIBER OPTIC SWITCH REPLACEMENT
P105026 SKINNER ELECTRICAL EQUIPMENT BUILDING 1 & 2
P105029 SKINNER ACCUSONIC FLOWMETER REPLACEMENT
P105032 WEYMOUTH ELECTRIC VEHICLE CHARGING STATION INSTALLATION
P105034 COLORADO RIVER AQUEDUCT CASA SIPHON
P105039 FOOTHILL FEEDER - CASTAIC VALLEY BLOW-OFF VALVES REPLACEMENT
P105045 DIEMER OZONE COOLING WATER ALTERNATIVE SOURCE
P105061 LOWER FEEDER STANDPIPE #22 REHABILITATION
P105062 SAN DIEGO PIPELINE NO. 2 ACCESS ROAD RELOCATION
P105064 OC 88 FIRE SYSTEM PROTECTION UPGRADES
P105070 SERVICE CONNECTION FLOWMETER REPLACEMENT
P105073 SANTA MONICA FEEDER CAST IRON PIPE REHABILITATION

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

P105094 DIEMER PLANT INFLUENT FLOWMETER
P105098 LOWER FEEDER BLOW-OFF DRAIN LINE REPLACEMENTS
P105101 JENSEN FILTER EFFLUENT TURBIDIMETER RELIABILITY
P105106 SANTA MONICA FEEDER INTERNAL SEAL INSTALLATION
P105107 LA VERNE BUILDING 40 COMPRESSED AIR UPGRADES
P105110 MILLS EMERGENCY GENERATOR PLC UPGRADE
P105114 SECOND LOWER FEEDER PCCP REHABILITATION - REACH 8
P105118 PERRIS BYPASS PIPELINE SUMP PUMP REPLACEMENT
P105119 ORANGE COUNTY REGION RTU AIR CONDITIONER UNIT 1
P105123 CENTRAL BASIN, 48 BUBBLER AREA ACCESS IMPROVEMENT
P105124 LAKE PERRIS PIPELINE RELINING
P105127 OC-88 PUMP STATION PLC UPGRADE
P105137 RIALTO FEEDER STA 3820+00 MANHOLE REPLACEMENT
P105139 WCF/PVF INTERCONNECTION VALVE AUTOMATION
P105164 SAN DIEGO PIPELINE 1 RAINBOW TUNNEL LINER REHABILITATION
P105167 SAN GABRIEL PCS ELECTRICAL REPLACEMENTS
P105171 MIDDLE FEEDER CHLORINATION STRUCTURE REHABILITATION AT WEYMOUTH WTP
P105172 ALLEN MCCOLLOCH PIPELINE PCCP 2021 URGENT RELINING
P105187 F-01 CHECK VALVE REPLACEMENT
P105195 RIALTO FEEDER VALVE REPLACEMENT
P105201 OC-89 AND OC-90 FLOW METER REPLACEMENT
P105235 SEPULVEDA HEP TAILRACE COATINGS
P105240 WEST VALLEY FEEDER NO. 1 STRUCTURES - PIPING IMPROVEMENTS
PALOS ALTOS FEEDER - 108TH ST.
PALOS VERDES FDR - MODIFICATION OF CITY OF L A SERVICE CONNECTIONS
PALOS VERDES FDR - WASHINGTON ST. PCS REHABILITATION
PALOS VERDES FDR- LA CITY MODIFICATION OF SERVICE CONNECTION
PALOS VERDES FDR- WASHINGTON ST. PCS
PALOS VERDES FDR, 108TH ST PCS, VALVE REPLACEMENT
PALOS VERDES FEEDER - LONG BEACH LATERAL TURNOUT STRUCTURES STA. 1442+15 VALVE REPLACEMENT (NEED UD)
PALOS VERDES FEEDER - LONG BEACH LATERAL TURNOUT STRUCTURES STA. 1442+15 VALVE REPLACEMENTS
PALOS VERDES FEEDER PCS - VALVE REPLACEMENT
PALOS VERDES FEEDER- RELOCATE HARBOR AND ARTESIA FREEWAYS
PALOS VERDES FEEDER: ADDITONAL
PALOS VERDES FEEDER-108TH ST. PCS,INSTALL ELECT. VALVE OPERATORS
PALOS VERDES FEEDER-CATHODIC PROTECTION SYSTEM
PALOS VERDES FEEDER-REHAB DOMINGUEZ CHAN (PROJECT 100851)
PALOS VERDES FEEDER-VALVE REHAB, DOMMINGUEZ CHNL
PALOS VERDES RESERVOIR - INSTALL HYPOCHLORINATION STATIONS
PALOS VERDES RESERVOIR, SPILLWAY ENERGY DISSIPATOR STRUCTURE MODIFICATION
PALOS VERDES RESERVOIR-REPLACE MONITORING DISPLAY & ALARM PANEL
PASADENA TUNNEL EXTENSION
PASADENA TUNNELS
PC-1 EFFLUENT OPEN CHANNEL TRASH RACK
PC-1 EFFLUENT OPEN CHANNEL TRASH RACK PROJECT
PCCP HYDRAULIC ANALYSES
PCCP HYDRAULIC MODELING
PCCP REHABILITATION - PROGRAM CEQA
PCCP REHABILITATION - PROGRAM MANAGEMENT
PCCP REHABILITATION, PROGRAM MANAGEMENT
PCCP RELIABILITY PROGRAM PIPELINE PROCUREMENT
PCCP STRUCTURAL PERFORMANCE RISK ANALYSIS
PERIMETER FENCING AT PLACERITA CREEK
PERMANENT LEAK DETECTION/PIPELINE MONITORING SYSTEM
PERRIS PCS - UNINTERRUPTIBLE POWER SOURCE SYSTEMS INSTALLATION
PERRIS BYPASS PIPELINE SUMP PUMP REPLACEMENT
PERRIS CONTROL FACIL.& CON.TO STATE DWR FAC.
PERRIS CONTROL FACILITY BYPASS & PCS UPGRADE
PERRIS CONTROL FACILITY PUMPBACK UPGRADES
PERRIS PCS ROOF REHAB
PERRIS PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT
PERRIS PUMPBACK COVER
PERRIS VALLEY PIPELINE
PERRIS VALLEY PIPELINE - DESIGN-BUILD (EMWD)
PERRIS VALLEY PIPELINE - GENERAL
PERRIS VALLEY PIPELINE - NORTH REACH
PERRIS VALLEY PIPELINE - RESERVED FOR STAGE II DESIGN / BUILD
PERRIS VALLEY PIPELINE - SOUTH REACH
PERRIS VALLEY PIPELINE - STUDY
PERRIS VALLEY PIPELINE - TIE-IN (WMWD)
PERRIS VALLEY PIPELINE - TUNNELS
PERRIS VALLEY PIPELINE - VALVES
PERRIS VALLEY PIPELINE DESIGN-BUILD (EMWD)
PERRIS VALLEY PIPELINE NORTH REACH
PERRIS VALLEY PIPELINE SOUTH REACH
PERRIS VALLEY PIPELINE TIE-IN (EMWD)
PERRIS VALLEY PIPELINE TIE-IN (WMWD)
PERRIS VALLEY PIPELINE VALVE
PERRIS VALLEY PIPELINE VALVES
PERRIS VALLEY PIPELINE, GENERAL
PERRIS VALLEY PIPELINE, NORTH REACH
PERRIS VALLEY SIPHON CONNECTION FOR EASTERN M.W.D.
PIPELINES AND FEEDERS, CONSTRUCTION STANDPIPE BRACING
PLACENTIA RAILROAD LOWERING PROJECT

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

PLACERITA CREEK PERIMETER FENCING
PLANT INFLUENT REDUNDANT FLOW METERING AND SPLITTING
PLATFORM REPLACEMENT AT VARIOUS C&D WRU STRUCTURES
PLC REPLACEMENT PHASE II
PM-01
PM-02
PM-03
PM-04
PM-05
PM-06
PM-07
PM-08
PM-09
PM-10
PM-11
PM-12
PM-14
PM-15A
PM-16
PM-17
PM-18
PM-19
PM-21
PM-22
PM-23
PM-24
PM-26
PM-26A NEW SERVICE CONNECTION, BIG DALTON CANYON
P-MISC
PM-MISC
POMONA VALLEY M.W.D. FACILITIES
PORTION OF CASA LOMA SIPHON
POWER MANAGEMENT SYSTEMS
POWER PLANT DISCHARGE ELIMINATION
PRELIMINARY OPERATION - TESTING & CONDITIONING (1938-1940)
PRESTRESSED CONCRETE CYLINDER PIPE - PHASE 2
PRESTRESSED CONCRETE CYLINDER PIPE (PCCP) STRUCTURAL PEFORMANCE RISK ANALYSIS
PRESTRESSED CONCRETE CYLINDER PIPE (PCCP), PHASE 2
PRESTRESSED CONCRETE CYLINDER PIPE -PHASE 3
PREVENTION OF CRA WATER MIGRATION TO SPW AT WEYMOUTH JUNCTION STRUCTURE
PROGRAMATTIC ENVIRONMENTAL DOCUMENTATION OF ORANGE COUNTY
PROGRAMATTIC ENVIRONMENTAL DOCUMENTATION OF SAN BERNARDINO COUNTY
PROGRAMMABLE LOGIC CONTROLLER (PLC) STANDARDIZATION
PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION FOR THE LOS ANGELES CO. OPERATING REGION
PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION FOR THE ORANGE COUNTY OPERATING REGION
PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION FOR THE RIVERSIDE/SAN DIEGO CO. OPERATING REGION
PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION FOR THE WESTERN SAN BERNARDINO COUNTY OPERATING REGION
PUDDINGSTONE SPILLWAY CROSS CONNECTION
PV MIDDLE CROSS, MIDDLE FEEDERS, ELECTROLYSIS TEST STATION
PV RESERVOIR HYPOCHLORITE PUMP AND PIPING REPLACEMENT
R&R FOR DISTRIBUTION
RAMONA PRESSURE CONTROL STRUCTURE
REAL PROPERTY ACQUISITION
REAL PROPERTY ACQUISITION FOR ALL 4 REGIONS
RECONSTRUCT ORANGE COUNTY FEEDER SERVICE CONNECTION PM-1
RED MOUNTAIN - OCT. 2007 FIRE DAMAGE - COMMUNICATION POWER TOWERS & METER STRUCTURES REPAIR/REPLACE (INCIDENT NO. 2007-1023-0271)
RED MOUNTAIN HEP FLOOD DAMAGE
RED MTN COMM. TOWER & METER STRUCTURE
REFURBISH CORONA HYDROELECTRIC GENERATOR COOLERS
REFURBISH OC-88 P-3000 & P-4000
REFURBISH SERVICE CONNECTION - LOWER MIDDLE FDR
REHABILITATION OF GREG AVENUE PCS CONTROL BUILDING INTERIOR
REHABILITATION OF METALLIC AND CONCRETE PIPELINES PHASE 1 - SELECT HIGH PRIORITY FEEDERS
REHABILITATION OF THE GREG AVE PCS CONTROL BUILDING INTERIOR
REIMBURSE PIPELINE PROTECTION COSTS
RELOCATION OF DATA CENTER TO SAN DIMAS FACILITY
RELOCATION OF ORANGE COUNTY FEEDER
RELOCATION OF PORTION OF ORANGE COUNTY FEEDER (MWD'S SHARE)
RELOCATION OF PORTION OF ORANGE COUNTY FEEDER (MWD"S SHARE)
RELOCATION OF SC CENB-11 METER CABINET AND AIR VENT STRACK
REMAINING PORTIONS
REMOVAL OF VALVE G-205 FROM MIDDLE FDR CEN. B-37
REPAIR 28 MANHOLE ON SANTA MONICA FEEDER
REPAIRS TO THE LA-35 DISCHARGE STRUCTURE
REPLACE EQUIPMENT ON UPPER FEEDER IN EAGLE ROCK (REPLACE 115)
REPLACE 2 FIRE & DOMESTIC WATER SYSTEM
REPLACE COMMUNICATION LINE TO THE SAN GABRIEL CONTROL TOWER
REPLACE COPPER GROUNDWIRES ON DESERT HIGH VOLTAGE TRANSMISSION TOWERS
REPLACE COPPER WIRE, PIPING, FOOTINGS/GROUNDING (103921)
REPLACE EXISTING EQP. ON UPPER FDR FROM LK.MATHEWS TO EAGLE ROCK
REPLACE FLOWMETER ON ORANGE COUNTY FEEDER- STA. 800+00
REPLACE FLOWMETERS IN SERVICE CONNECTIONS
REPLACE OUTDATE INSTRUMENTATION AND INVESTIGATE UPGRADS (103347)
REPLACE TWO FIRE AND DOMESTIC WATER SYSTEM PUMPS (103124)

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

REPLACE UNDERGROUND FUEL STORAGE TANKS AT ALL FACILITIES
REPLACE VALVE POSITION INDICATORS
REPLACE VALVE POSITION INDICATORS, SELECTED PRESSURE CONTROL STRUCTURES
REPLACEMENT OF 75 UNDERGROUND FUEL STORAGE TANKS - ALL FACILITIES
REPLACEMENT OF ACCUSONIC FLOWMETERS & SCADA REMOTE
REPLACEMENT OF COMMUNICATION LINE AT SAN GABRIEL TOWER
REPLACEMENT OF COMMUNICTION LINE AT SAN GABRIEL TOWER
REPLACEMENT OF RETIRED EQUIPMENT ON FIRST SAN DIEGO AQUEDUCT
REPLACEMENT/ RELINE AT-RISK PCCP LINES - STAGE 1
REPLACEMENT/RELINE AT-RISK PCCP LINES STAGE 1
REPLACING VALVES ON PALOS VERDES FEEDER (SPEC 483)
RIALTO FEEDER AND MILLS PLANT PUMP STATION
RIALTO FEEDER BROKEN BACK REPAIR
RIALTO FEEDER PCCP REHABILITATION - REACH 1
RIALTO FEEDER PCCP REHABILITATION - REACHES 2-3
RIALTO FEEDER REHABILITATION
RIALTO FEEDER REPAIR, STATION 3662+23
RIALTO FEEDER STA 3820+00 MANHOLE REPLACEMENT
RIALTO FEEDER VALVE REPLACEMENT
RIALTO FEEDER VALVE STRUCTURE
RIALTO FEEDER, ENHANCEMENTS AT SELECT LOCATIONS
RIALTO FEEDER, REPAIRS AT SELECT LOCATIONS, STUDY
RIALTO PIPELINE - CONSTRUCTION PHASE 1
RIALTO PIPELINE - CONSTRUCTION - PHASE 1
RIALTO PIPELINE - CONSTRUCTION PHASE 2
RIALTO PIPELINE - PHASE 2 CONSTRUCTION
RIALTO PIPELINE - PHASE 3 DESIGN
RIALTO PIPELINE AT DEVIL"S CANYON
RIALTO PIPELINE CATHODIC PROTECTION SYSTEM REHABILITATION
RIALTO PIPELINE- DELIVERY FACILITIES FOR CYCLIC STORAGE
RIALTO PIPELINE IMPROVEMENTS
RIALTO PIPELINE IMPROVEMENTS - CONSTRUCTION
RIALTO PIPELINE IMPROVEMENTS - CONSTRUCTION PHASE III
RIALTO PIPELINE IMPROVEMENTS - DESIGN PHASE 2
RIALTO PIPELINE IMPROVEMENTS - DESIGN PHASE 3
RIALTO PIPELINE IMPROVEMENTS - FINAL DESIGN
RIALTO PIPELINE IMPROVEMENTS - PHASE 2
RIALTO PIPELINE IMPROVEMENTS - VALVE PROCUREMENT
RIALTO PIPELINE IMPROVEMENTS PHASE 1
RIALTO PIPELINE IMPROVEMENTS PHASE 1 FINAL DESIGN
RIALTO PIPELINE PCCP REHABILITATION
RIALTO PIPELINE REPAIR @ STA 3196+44
RIALTO PIPELINE REPAIR AT THOMPSON CREEK
RIALTO PIPELINE REPAIRS AT STATION 3198+44
RIALTO PIPELINE VALVE PROCUREMENT
RIALTO PIPELINE, STA 2921+00 TO 2933+25
RIALTO PIPELINE, STA 3050+00 TO 3098+00
RIALTO PPLN- INSTALL 2 CATHDIC PROTECTION SYSTEM
RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM - LOS ANGELES COUNTY REGION
RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM - O. C. REGION
RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM - RIVERSIDE AND SAN DIEGO COUNTY REGION
RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM - WESTERN SAN BERNARDINO COUNTY REGION
RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM RIVERSIDE SAN DIEGO
RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM RIVERSIDE SAN DIEGO COUNTY REGION - STAGE 1
RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM WESTERN SAN BERNARDINO COUNTY REGION - STAGE 1
RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM WESTERN SAN BERNARDINO REGION - STAGE 2
RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM WESTERN SAN BERNARDINO REGION - STAGE 3
RIGHT OF WAY SURVEY AND MAPPING
RIGHT-OF-WAY INFRASTRUCTURE PROTECTION PROGRAM WESTERN SAN BERNARDINO STAGE 1
RIO HONDO PRESSURE CONTROL STRUCTURE VALVE REPLACEMENTS
RIVERSIDE BRANCH LOWER FDER STATION 527+90
RIVERSIDE BRANCH, PLEASANT PEAK, COMMUNICATION BLDG ROOF REPLACEMENT
RIVERSIDE BRANCH, UPPER FDR, SANTA ANA RIVER BRIDGE, REPAIR LEAKING COUPLING
RIVERSIDE SAN BERNARDINO AND SAN DIEGO REGIONS C AND D ELECTRICAL STRUCTURES REHAB
ROBERT B. DIEMER FILTRATION PLANT - LAND ACQUISITION
ROOF REPLACEMENT AT SOTO ST. FACILITY
ROWIPP PROGRAMMATIC ENVIRONMENTAL DOCUMENT
ROWIPP PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION FOR LOS ANGELES CO.
ROWIPP PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION FOR THE ORANGE CO. OPERATING REGION
ROWIPP PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION FOR THE RIVERSIDE/SAN DIEGO CO. OPERATING REGION
SA-02
SA-03
SA-04
SA-05
SA-6
SALE OF PARCEL 1408-12-4, I.C. 38274
SAN DIEGO #3 BLOWOFF TO PUMPWELL CONVERSION
SAN DIEGO 6, PROJECT MGMT
SAN DIEGO AND AULD VALLEY CANALS CONCRETE LINER REPAIR
SAN DIEGO AQUEDUCT: COTTAGE AND GARAGE AT RAINBOW
SAN DIEGO CANAL - EAST & WEST BYPASS SCREENING STRUCTURES STUDY
SAN DIEGO CANAL - ELECTRICAL VAULT & CONDUCTOR REPLACEMENT
SAN DIEGO CANAL - FENCING
SAN DIEGO CANAL - INSTALL ACOUSTIC FLOW METER

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

SAN DIEGO CANAL - PIEZOMETER
SAN DIEGO CANAL - REPLACE SODIUM BISULFATE TANK
SAN DIEGO CANAL - SEEPAGE STUDY
SAN DIEGO CANAL BISULFITE TANK REPLACEMENT
SAN DIEGO CANAL CONCRETE LINER
SAN DIEGO CANAL CONCRETE LINER REPLACEMENT ? SITE NO. 1055
SAN DIEGO CANAL DEWATERING SUMP
SAN DIEGO CANAL ENLARGEMENT PHASE 2
SAN DIEGO CANAL LINER REPAIR
SAN DIEGO CANAL LINER REPAIRS
SAN DIEGO CANAL MODIFICATION- 5 ADDITIONAL SIPHONS
SAN DIEGO CANAL PIEZOMETER
SAN DIEGO CANAL RADIAL GATE (V0-6) REHABILITATION
SAN DIEGO CANAL RADIAL GATE (VO-8) REHABILITATION
SAN DIEGO CANAL RADIAL GATE (VO-8) REHABILITATION..
SAN DIEGO CANAL RADIAL GATE REHAB
SAN DIEGO CANAL SEEPAGE
SAN DIEGO CANAL SEEPAGE STUDY
SAN DIEGO CANAL WEST BYPASS TRASH RACK
SAN DIEGO CANAL, REPLACE WEST SIDE FENCE
SAN DIEGO CANAL, SODIUM BISULFATE FEED SYSTEM
SAN DIEGO CANAL-FENCING REPLACEMENT
SAN DIEGO PIPELINE # 6 AREA STUDY
SAN DIEGO PIPELINE # 6 CONTRACT # 1
SAN DIEGO PIPELINE #4 VALVE REPLACEMENT
SAN DIEGO PIPELINE #6 ENVIRON MITIG
SAN DIEGO PIPELINE 1 & 2 REHABILITATION
SAN DIEGO PIPELINE 1 AND 2 STATION 1214 EXPOSURE REPAIR
SAN DIEGO PIPELINE 1 BLOW-OFF VALVE REPLACEMENT
SAN DIEGO PIPELINE 1 RAINBOW TUNNEL LINER REHABILITATION
SAN DIEGO PIPELINE 3 & 5 REMOTE CONTROL OF BYPASS
SAN DIEGO PIPELINE 3 PIPING MODIFICATIONS
SAN DIEGO PIPELINE 4 AND AULD VALLEY PIPELINE CARBON FIBER
SAN DIEGO PIPELINE 4 AND AULD VALLEY PIPELINE CARBON FIBER REPAIRS
SAN DIEGO PIPELINE 4 VALVE REPLACEMENT (103808)
SAN DIEGO PIPELINE 5 & LAKE SKINNER OUTLET REPAIR
SAN DIEGO PIPELINE 5 AND LAKE SKINNER OUTLET CONDUIT
SAN DIEGO PIPELINE 6 - PRESSURE CONTROL STRUCTURE/HYDROELECTRIC PLANT - FEASIBILITY STUDY
SAN DIEGO PIPELINE 6 NORTH REACH ENVIRONMENTAL MONITORING DURING CONSTRUCTION
SAN DIEGO PIPELINE 6 NORTH REACH, ENVIRONMENTAL MONITORING DURING CONSTRUCTION
SAN DIEGO PIPELINE 6 NORTH REACH, PROGRAM MANAGEMENT FOR CONSTRUCTION
SAN DIEGO PIPELINE 6 PROGRAM MGT
SAN DIEGO PIPELINE 6, NORTH REACH
SAN DIEGO PIPELINE CONTRACT # 2 MT OL
SAN DIEGO PIPELINE NO. 1 JOINT REPAIR
SAN DIEGO PIPELINE NO. 2 ACCESS ROAD RELOCATION
SAN DIEGO PIPELINE NO. 2 AND 3 -MODIFY INTERCONNECTION
SAN DIEGO PIPELINE NO. 3 BYPASS
SAN DIEGO PIPELINE NO. 3 PIPING MODIFICATIONS
SAN DIEGO PIPELINE NO. 5 - OCT. 2007 FIRE DAMAGE - REPLACE ABOVE GROUND CORROSION CONTROL SYSTEM EQUIPMENT, AND STRUCTURAL APPURTENANCES
SAN DIEGO PIPELINE NO. 6 - RIVERSIDE BRANCH - ETIWANDA FACILITY/DROP INLET STRUCTURE
SAN DIEGO PIPELINE NO. 6 - RIVERSIDE BRANCH - PLEASANT PEAK, COMMUNICATIONS
SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL CONSTRUCTION - AS BUILT
SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL COST OF RIGHT OF WAY (OPTIONAL PORTAL SITE)
SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL ENVIRONMENTAL CONSTRUCTION
SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL ENVIRONMENTAL PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL PROGRAM MANAGEMENT
SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL RIGHT OF WAY PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - CONTRACT NO.1 SAN DIEGO CANAL TO MOUNT OLYMPUS
SAN DIEGO PIPELINE NO. 6 - CONTRACT NO.2 MOUNT OLYMPUS TUNNEL & PORTALS
SAN DIEGO PIPELINE NO. 6 - NORTH REACH CONSTRUCTION - AS BUILT
SAN DIEGO PIPELINE NO. 6 - NORTH REACH ENVIRONMENTAL - CONSTRUCTION
SAN DIEGO PIPELINE NO. 6 - NORTH REACH ENVIRONMENTAL PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - NORTH REACH FINAL DESIGN & ADV/NTP
SAN DIEGO PIPELINE NO. 6 - NORTH REACH POST DESIGN
SAN DIEGO PIPELINE NO. 6 - NORTH REACH PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - NORTH REACH PROGRAM MANAGEMENT - CONSTRUCTION
SAN DIEGO PIPELINE NO. 6 - NORTH REACH PROGRAM MANAGEMENT - DESIGN
SAN DIEGO PIPELINE NO. 6 - NORTH REACH RIGHT OF WAY FINAL DESIGN
SAN DIEGO PIPELINE NO. 6 - NORTH REACH RIGHT OF WAY PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - NORTHERN PIPELINE COST OF RIGHT OF WAY
SAN DIEGO PIPELINE NO. 6 - NORTHERN REACH ENVIRONMENTAL FINAL DESIGN
SAN DIEGO PIPELINE NO. 6 - OPERATIONS SCOPING STUDY
SAN DIEGO PIPELINE NO. 6 - PIPELINE/TUNNEL STUDY - DESIGN
SAN DIEGO PIPELINE NO. 6 - PIPELINE/TUNNEL STUDY - ENVIRONMENTAL
SAN DIEGO PIPELINE NO. 6 - PIPELINE/TUNNEL STUDY - PROJECT MANAGEMENT
SAN DIEGO PIPELINE NO. 6 - PIPELINE/TUNNEL STUDY - RIGHT OF WAY
SAN DIEGO PIPELINE NO. 6 - PROJECT MANAGEMENT
SAN DIEGO PIPELINE NO. 6 - RIGHT OF WAY
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH - PROGRAM MANAGEMENT
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH / TUNNEL STUDY
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH CONSTRUCTION / AS BUILT
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH COST OF RIGHT OF WAY

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

SAN DIEGO PIPELINE NO. 6 - SOUTH REACH ENVIRONMENTAL - CONSTRUCTION
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH ENVIRONMENTAL FINAL DESIGN
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH ENVIRONMENTAL PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH FINAL DESIGN/ADV
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH RIGHT OF WAY FINAL DESIGN
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH RIGHT OF WAY PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH TUNNEL ALIGNMENT ANALYSIS
SAN DIEGO PIPELINE NO. 6 AREA STUDY
SAN DIEGO PIPELINE NO. 6 ENVIRONMENTAL MITIGATION
SAN DIEGO PIPELINE NO.4 & AULD VALLEY PIPELINE CARBON FIBER REPAIR STUDY
SAN DIEGO PIPELINE NOS. 1AND 3 - VALVE REPLACEMENT
SAN DIEGO PIPELINE REPAIR AT STATION 1268+57
SAN DIEGO PIPELINES 1 & 2, STA 1120+00 TO 1149+00
SAN DIEGO PIPELINES 1 & 2, STA 113+00 TO 1159+00
SAN DIEGO PIPELINES 1 & 2, STA 1151+00 TO 1169+00
SAN DIEGO PIPELINES 1 & 2, STA 1358+00 TO 1366+50
SAN DIEGO PIPELINES 1 & 2, STA 1358+00 TO 1369+00
SAN DIEGO PIPELINES 1 & 2, STA 1367+00 TO 1380+00
SAN DIEGO PIPELINES 1 AND 3, VALVE REPLACEMENT STUDY
SAN DIEGO PIPELINES 3 & 5 VACUUM VALVE REPLACEMENT PROJECT
SAN DIEGO PPLN 6 CIP
SAN DIEGO PPLN 6, ENVIRONMENTAL MITIGATION PLANNING, INITIATION PHASE
SAN DIEGO PPLN 6, ENVIRONMENTAL NORTHERN PPLN, PRELIMINARY DESIGN
SAN DIEGO PPLN 6, NORTH REACH FINAL DESIGN/ADV/NTP
SAN DIEGO PPLN 6, NORTHERN PPLN, PRELIMINARY DESIGN
SAN DIEGO PPLN 6, PPLN AND TUNNEL ENGR STUDIES, INITIATION PHASE
SAN DIEGO PPLN 6, PROJECT MGMT, INITIATION PHASE
SAN DIEO PIPE NO.5-SCH SD-16, SKINNER TO TEMECULA (SPEC NO. 1065)
SAN DIEO PIPE NO.5-SCH SD-17, TEMECULA TO DELIVERY POINT
SAN DIMAS AND RED MOUNTAIN POWER PLANTS STANDBY DIESEL ENGINE GENERATOR REPLACEMENTS
SAN DIMAS AND RED MOUNTAIN POWER PLANTS STANDY DIESEL ENGINE GENERATOR REPLACEMENTS
SAN DIMAS CONTROL STRUCTURE 500 GALLONS DIESEL TANK REPLACEMENT
SAN DIMAS HEP BATTERY BANK AND GENERATOR BREAKER
SAN DIMAS PCS - UNINTERRUPTIBLE POWER SOURCE SYSTEMS INSTALLATION
SAN DIMAS POWER PLANT
SAN FRANCISQUITO PIPELINE BLOW OFF STRUCTURE, STA 287+70, ACCESS ROAD CONSTRUCTION
SAN FRANCISQUITO PIPELINE BLOWOFF STRUCTURE
SAN GABRIEL CANYON CROSSING SCHEDULE 8C
SAN GABRIEL PCS ELECTRICAL REPLACEMENTS
SAN GABRIEL PRESSURE CONTROL STRUCTURE (SPEC NO. 566)
SAN GABRIEL RIVER SPILLWAY (WEIR 1037.5)
SAN GABRIEL TOWER AND SPILLWAY IMPROVEMENTS
SAN GABRIEL TOWER SEISMIC UPGRADE
SAN GABRIEL TOWER SLIDE GATE
SAN GABRIEL TOWER SLIDE GATE REHABILITATION
SAN JACINTO #1 AND #2 CASA LOMA FAULT CROSSING STRUCTURE UPGRADE
SAN JACINTO DIVERSION STRUCTURE SLIDE GATE (V-03) REPAIRS
SAN JACINTO DIVERSION STRUCTURE SLIDE GATE V-03 REPLACEMENT
SAN JACINTO DIVERSION STRUCTURE SLIDE GATES V-01 V-02 REPAIR
SAN JACINTO PIPELINE, STA 82+50 TO 88+00
SAN JOAQUIN PRESSURE RELIEF STRUCTURE FOR THE EAST ORANGE COUNTY FEEDER 2
SAN JOAQUIN RELIEF STRUCTURE FOR EASTERN ORANGE COUNTY FEEDER #2
SAN JOAQUIN RELIEF STRUCTURE FOR EASTR OC FDR #2
SAN JOAQUIN RESERVOIR, INSTALL BULKHEAD
SAN JUAN TUNNEL (SPEC NO. 437)
SAN MARINO LATERAL: STA. 0+00 TO 54+10, SCH. 45SC
SAN RAFAEL TUNNELS NO. 1 & NO. 2
SANTA ANA CROSS FDR(FORMERLY EL TORO PIPELINE) CONNECTS OC AND EOC#2 FDRS
SANTA ANA CROSS FDR-RELOCATE FLOWER STREET STORM DRAINAGE
SANTA ANA RIVER BRIDGE EXPANSION JOINT REPLACEMENT
SANTA ANA RIVER BRIDGE SCHEDULE 2B
SANTA ANA RIVER BRIDGE SEISMIC RETROFIT
SANTA ANA RIVER BRIDGE SEISMIC UPGRADE
SANTA ANA RIVER DISCHARGE PAD - UPPER FEEDER
SANTA MONICA AND CALABASAS FEEDER BYPASS FOR SECTIONALIZING VALVES
SANTA MONICA FD.-MODIFY MANHOLE & BLOWOFF STRUCTION,STA. 4504-86
SANTA MONICA FDR - HOLLYWOOD TNL. REPLACE 16
SANTA MONICA FDR SUNSET RELIEF STRUCTURE
SANTA MONICA FDR.-HOLLYWOOD TUNNEL REPL.16
SANTA MONICA FEEDER - REPAIR MANHOLE RISERS
SANTA MONICA FEEDER - REPLACE CAST IRON FLANGES ON LOWER
SANTA MONICA FEEDER- BETTERMENT OF SERVICE CONNECTION BH-1
SANTA MONICA FEEDER CAST IRON PIPE REHABILITATION
SANTA MONICA FEEDER CATHODIC PROTECTION..
SANTA MONICA FEEDER- HOLLYWOOD TNNL CONTROL STRUCT. REPL.VALVE
SANTA MONICA FEEDER INTERNAL SEAL INSTALLATION
SANTA MONICA FEEDER RELOCATION
SANTA MONICA FEEDER SCHEDULE 29SC (SPEC NO. 328)
SANTA MONICA FEEDER SCHEDULE 30SC
SANTA MONICA FEEDER SCHEDULE 31P
SANTA MONICA FEEDER SCHEDULE 32C1 (SPEC NO. 333)
SANTA MONICA FEEDER SCHEDULE 33C1
SANTA MONICA FEEDER STATION 495+10 REHABILITATION

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

SANTA MONICA FEEDER STATION REHABILITATION
SANTA MONICA FEEDER-GLENDALE SERVICE CONNECTION G-2 RECON T/2
SANTA MONICA FEEDER-REPLACE CAST IRON FLANGES (PROJECT 102725)
SANTA MONICA FEEDER-SUNSET RELIEF STRUCTURE-MODIFY STA. 433022
SANTIAGO CONTROL TOWER CATHODIC PROTECTION
SANTIAGO CONTROL TOWER SEISMIC IMPROVEMENTS
SANTIAGO LATERAL ACCESS ROAD REPAIR
SANTIAGO LATERAL- MOTOR FOR VALVE AT STA 216+40
SANTIAGO LATERAL REPLACE MOTOR - OPERATED VALVE
SANTIAGO LATERAL SECTIONALIZATION VALVE REPLACEMENT
SANTIAGO LATERAL STA 216+40 BUTTERFLY VALVE REPLACEMENT
SANTIAGO LATERAL, REPLACE MOTOR OPERATED VALVE
SANTIAGO LATERAL, REPLACE MOTOR OPERATED VALVE (103233)
SANTIAGO LATRAL: STA. 112+90 TO 451+40,, SCH. 91P (SPEC NO. 477)
SANTIAGO LTRAL: STA. 0+00 TO 112+90 & SPILLWAY DISCHG. LN, SCH 90SC
SANTIAGO PRESSURE CONTROL STRUCTURE
SANTIAGO TOWER ACCESS ROAD IMPROVEMENT
SC-1
SC-2A & B
SC-3
SC-4
SC-5A & B
SCADA COMMUNICATIONS BACKBONE RELIABILITY UPGRADE
SCADA COMMUNICATIONS MPLS UPGRADE - AT&T REGION (MINOR CAP)
SCADA COMMUNICATIONS MPLS UPGRADE - VERIZON REGION (MINOR CAP)
SCADA NETWORK INTRUSION DETECTION SYSTEM
SCADA SYSTEM HARDWARE UPGRADE
SCADA SYSTEM NT SOFTWARE UPGRADE
SCADA SYSTEM SUPPORT PROGRAMS
SCADA, REPLACE AREA CONTROLS
SD 03 & 04
SD AND CASA LOMA CANALS LINING
SD CANAL EAST & WEST BYPASS SCREENING STRUCTURES STUDY
SD CANAL REPLACE SODIUM BISULFITE TANK
SD PIPELINE 3 CULVERT ROAD REHAB
SD PIPELINE 3,4, AND 5 PROTECTIVE COVER
SD PIPELINE 4 EXPLORATORY EXCAVATION
SD PIPELINE 5 EXPLORATOTY EXCAVATION
SD PIPELINES 3 AND 5 REMOTE CONTROL BYPASS STRUCTURE GATES AND ISOLATION VALVES
SD-02
SD-04
SD-05
SD-08
SD-09
SD-10
SD-11
SD6 - NORTH REACH POST DESIGN
SD-MISC
SECOND LOWER & SEPULVEDA FEEDERS SCI DRAIN STATIONS
SECOND LOWER CROSS FEEDER - VALVE PROCUREMENT
SECOND LOWER CROSS FEEDER CONSTRUCTION
SECOND LOWER CROSS FEEDER FINAL DESIGN
SECOND LOWER FDR, REPAIRS AT SELECT LOCATIONS
SECOND LOWER FEEDER - INSTALL LINER
SECOND LOWER FEEDER - STEEL LINER IN PORTION
SECOND LOWER FEEDER CATHODIC PROTECTION SYSTEM
SECOND LOWER FEEDER CURRENT MITIGATION REFURBISHMENT
SECOND LOWER FEEDER PCCP - REACHES 7, AND 10
SECOND LOWER FEEDER PCCP 2016 URGENT REPAIRS
SECOND LOWER FEEDER PCCP REHAB, R/W ACQUISITION
SECOND LOWER FEEDER PCCP REHAB. - REACH 9
SECOND LOWER FEEDER PCCP REHABILITATION
SECOND LOWER FEEDER PCCP REHABILITATION - PRELIMINARY DESIGN
SECOND LOWER FEEDER PCCP REHABILITATION - PIPE PROCUREMENT DOCUMENTS
SECOND LOWER FEEDER PCCP REHABILITATION - REACH 1
SECOND LOWER FEEDER PCCP REHABILITATION - REACH 11
SECOND LOWER FEEDER PCCP REHABILITATION - REACH 2
SECOND LOWER FEEDER PCCP REHABILITATION - REACH 3
SECOND LOWER FEEDER PCCP REHABILITATION - REACH 5
SECOND LOWER FEEDER PCCP REHABILITATION - REACH 6
SECOND LOWER FEEDER PCCP REHABILITATION - REACH 8
SECOND LOWER FEEDER PCCP REHABILITATION - REAL PROPERTY ACQUISITION
SECOND LOWER FEEDER PCCP REHABILITATION - VALVE PROCUREMENT
SECOND LOWER FEEDER PCCP REPAIRS
SECOND LOWER FEEDER REHABILITATION REACH 3 ACOUSTIC FIBER OPTIC PCCP MONITORING SYSTEM
SECOND LOWER FEEDER RELIABILITY AT 3 LOCATIONS - SEISMIC STUDY
SECOND LOWER FEEDER- SCH. 107-DIEMER PLNT. TO C.CRK.CONTROL STRUCT.
SECOND LOWER FEEDER- SCH. 108
SECOND LOWER FEEDER- SCH. 110 & 111- STA. 830+00 TO 1050+00
SECOND LOWER FEEDER- SCH. 114 & 115
SECOND LOWER FEEDER, BIXBY VALVE REPLACEMENT
SECOND LOWER FEEDER-CARBON CREEK PRESSURE CONTROL STRUCTURE
SECOND LOWER FEEDER-SCH.112 -WOODRUFF TO W. OF LONG BEACH BLVD.
SECOND LOWER FEEDER-SCH.113 -W. OF LONG BEACH BLVD.TO ALAMEDA ST.

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

SECOND SAN DIEGO ACQUEDUCT, MISCELLANEOUS CREDITS (SPEC NO. 554)
SECOND SAN DIEGO ACQUEDUCT, SCHEDULE SD1C (SPEC NO. 554)
SECOND SAN DIEGO ACQUEDUCT, SCHEDULE SD2C (SPEC N0. 554)
SECOND SAN DIEGO ACQUEDUCT, SCHEDULE SD3C (SPEC NO. 554)
SECOND SAN DIEGO ACQUEDUCT, SCHEDULE SD4C (SPEC NO. 554)
SECOND SAN DIEGO AQUEDUCT, SCHEDULE SD10P (SPEC. NO. 537)
SECOND SAN DIEGO AQUEDUCT, SCHEDULE SD8P (SPEC. NO. 537)
SECOND SAN DIEGO AQUEDUCT, SCHEDULE SD9P (SPEC. NO. 537)
SECOND SAN DIEGO AQUEDUCT3, SCHEDULE SD11SC (SPEC. NO. 537)
SECURITY FENDING AT OC-88 PUMP PLANT
SEISMIC UPGRADE OF 11 FACILITIES ON THE ALLEN MCCOLLOCH PIPELINE
SEISMIC UPGRADES AT 10 SERVICE CONNECTION STRUCTURES ALONG AMP
SELECTED PRESSURE CONTROL STRUCTURES-REPLACE VALVE POSITION INDICATORS
SELECTED PRESSURE REPLACE VALVE POSITION INDICATORS
SEPULVEDA CANYON CONTROL FACILITY BYPASS PROJECT
SEPULVEDA CANYON CONTROL FACILITY RELIABILITY IMPROVEMENTS
SEPULVEDA CANYON CONTROL FACILITY WATER STORAGE TANKS SEISMIC UPGRADE
SEPULVEDA CANYON PCS TO VENICE PCS VALVE REPLACEMENTS
SEPULVEDA CANYON POWER PLANT TAIL RACE COATINGS
SEPULVEDA CANYON TANKS EXTERIOR AND INTERIOR RECOATING
SEPULVEDA FDR & 2ND FDR, CORROSION CTRL
SEPULVEDA FDR, WEST VALLEY FDR. NO.1- MODIF.OF STRUCTURES PHASE II
SEPULVEDA FEEDER - CARBON FIBER LINER REPAIRS
SEPULVEDA FEEDER CATHODIC PROTECTION SYSTEM
SEPULVEDA FEEDER CFRP URGENT RELINING
SEPULVEDA FEEDER CORROSION/INTERFERENCE MITIGATION, STATION 950+00 TO 1170+00
SEPULVEDA FEEDER- CULVER CITY FDR. TO WEST COAST FDR.
SEPULVEDA FEEDER- EL SEGUNDO BLVD. TO 220TH ST.,SCH. 133 AND 134
SEPULVEDA FEEDER HEP AUTO PILOT
SEPULVEDA FEEDER- INTERCONNECT BALBOA TUNNEL TO 1ST LA AQ (DWP)
SEPULVEDA FEEDER PCCP 2016 URGENT REPAIRS
SEPULVEDA FEEDER PCCP CARBON FIBER JOINT REPAIRS
SEPULVEDA FEEDER PCCP DEL AMO BLVD URGENT RELINING
SEPULVEDA FEEDER PCCP REHABILITATION - REACH 1
SEPULVEDA FEEDER PCCP REHABILITATION - REACH 2
SEPULVEDA FEEDER PCCP REHABILITATION - REACH 3
SEPULVEDA FEEDER PCCP REHABILITATION - REACH 4
SEPULVEDA FEEDER PCCP REHABILITATION - REACH 5
SEPULVEDA FEEDER PCCP REHABILITATION - SOUTH REACH PDR AND NORTH REACH PDR THROUGH CONSTRUCTION
SEPULVEDA FEEDER PIPLINE REPAIR
SEPULVEDA FEEDER REPAIRS AT 3 SITES
SEPULVEDA FEEDER- SCH. 123, 124 AND 125
SEPULVEDA FEEDER- SEPULVEDA CANYON CONTROL FACILITY
SEPULVEDA FEEDER- SEPULVEDA TUNNEL TO SLAUSON AVE.
SEPULVEDA FEEDER- SEPULVEDA TUNNEL, SCH.126
SEPULVEDA FEEDER SOUTH CATHODIC PROTECTION SYSTEM
SEPULVEDA FEEDER STATION 2002+02 TO 2273+28 STRAY CURRENT INTERFERENCE MITIGATION
SEPULVEDA FEEDER STRAY CURRENT MITIGATION
SEPULVEDA FEEDER STRAY CURRENT MITIGATION REFURBISHMENT
SEPULVEDA FEEDER SYSTEM- CALABASAS FEEDER
SEPULVEDA FEEDER- VENICE PRESSURE CONTROL STRUCTURE
SEPULVEDA FEEDER, RELOCATION OF AIR VENT
SEPULVEDA FEEDER/EAST VALLEY FEEDER INTERCONNECTION ELECTRICAL UPGRADES
SEPULVEDA FEEDER-SCH.119,120,121& 122-BALBOA TRT.PLT. TO CHTSWRTH.ST
SEPULVEDA HEP AUTO PILOT VALVES
SEPULVEDA HEP TAILRACE COATINGS
SEPULVEDA PCS - PERIMETER ASPHALT REPAIRS
SEPULVEDA PIPELINE PCCP REHABILITATION
SEPULVEDA TANKS CATHODIC PROTECTION SYSTEM
SEPULVEDA WEST VALLEY AND EAST VALLEY FEEDERS INTERCONNECTION
SEPULVEDAFEEDER/EASTVALLEYFEEDERINTERCONNECTIONELECTRICALUPGRADES
SEPULVEDA-WEST BASIN INTERCONNECTION VALVE REPLACEMENT
SEPULVEDA-WEST BASIN INTERCONNECTION VALVE REPLACEMENTS
SEPULVEDE FDR-STRAY CURRENT INTERFERENCE
SERVICE AREA INTERCONNECTION ENHANCEMENT PROGRAM
SERVICE CONN. DW-CV-4, VALVE STRUCTURE,WATER SIPHON, STA. 9698+00
SERVICE CONN. DW-CV-4,WHITE WATER SIPHON (2ND BARREL)STA. 9698+00
SERVICE CONNECTION A-02 REHABILITATION
SERVICE CONNECTION B-06 CITY OF BURBANK
SERVICE CONNECTION C8-19 SAN GABRIEL VALLEY WATER
SERVICE CONNECTION CB-11B - CHINO BASIN
SERVICE CONNECTION CB-14 Y CB20 IE UTIL
SERVICE CONNECTION CENB-29 EQUIPMENT RELOCATION
SERVICE CONNECTION CENB-54-STA-168 CENTRAL BASIN MWD
SERVICE CONNECTION CENB-55 CENTRAL BASIN MWD
SERVICE CONNECTION CLWA-01 - MODIFICATIONS
SERVICE CONNECTION CM-5 CITY OF NEW PORT
SERVICE CONNECTION EM-01A
SERVICE CONNECTION EM-20
SERVICE CONNECTION EM-20 - EASTERN
SERVICE CONNECTION EM20 SURGE ANALYSIS
SERVICE CONNECTION EM-22
SERVICE CONNECTION EM-23
SERVICE CONNECTION F-08 MODIFICATIONS - FULLERTON

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

SERVICE CONNECTION FLOWMETER REPLACEMENT
SERVICE CONNECTION G-03 CITY OF GLENDALE
SERVICE CONNECTION IRVINE RANCH WATER DIST, OC33 MOD
SERVICE CONNECTION LA 25, BYPASS PIPELINE
SERVICE CONNECTION LA-100 - LOS ANGELES
SERVICE CONNECTION LA-17 FLOWMETER REPLACEMENTS
SERVICE CONNECTION LA-17 REHABILITATION
SERVICE CONNECTION LA-29 MODIFICATIONS - LOS ANGELES
SERVICE CONNECTION LA-37A - LOS ANGELES
SERVICE CONNECTION LB-01 - LONG BEACH
SERVICE CONNECTION LB-01D - LONG BEACH
SERVICE CONNECTION LOS ANGELES 5
SERVICE CONNECTION LOS ANGELES 7
SERVICE CONNECTION LV-01 UPGRADES
SERVICE CONNECTION LV-03 LAS VIRGENES MWD
SERVICE CONNECTION OC-26 - RELOCATION OF METER CABINET, INSTRUMENT HOUSING & AIR VENT STACK
SERVICE CONNECTION OC-26, RELOCATION OF METER CABINET, INSTRUMENT
SERVICE CONNECTION OC-38 - ORANGE CITY
SERVICE CONNECTION OC-51 MODIFICATION
SERVICE CONNECTION OC-70 - ORANGE CITY
SERVICE CONNECTION OC-79 MODIFICATIONS - MWDOC
SERVICE CONNECTION P1
SERVICE CONNECTION P-1-UPPER FEEDER (ORG CONST)
SERVICE CONNECTION PM-24 MODIFICATIONS - THREE VALLEY MWD
SERVICE CONNECTION PM-26 MODIFICATIONS - THREE VALLEY MWD
SERVICE CONNECTION PM-28 - THREE VALLE
SERVICE CONNECTION RIALTO
SERVICE CONNECTION RIALTO- THREE VALLEY
SERVICE CONNECTION SA-3 CITY OF SANA ANA
SERVICE CONNECTION SA-3 ORANGE COUNTY FEEDER- BRISTOL
SERVICE CONNECTION SA-4 - SANTA ANA
SERVICE CONNECTION SCADA UPGRADE PRJT, CNEB-3,5,6,12,23,35,51
SERVICE CONNECTION SD-02 SAN DIEGO WATER AUTHORITY
SERVICE CONNECTION SD-7 STUDY - SDCWA
SERVICE CONNECTION SGV-01 - SAN GABRIEL
SERVICE CONNECTION SMR-01
SERVICE CONNECTION WB13 - WEST BASIN FEEDER
SERVICE CONNECTION WB-26 - RIVERSIDE
SERVICE CONNECTION WB-2A & WB-2B EQUIPMENT RELOCATION
SERVICE CONNECTIONS CB-12 & CB-16 TURNOUT VALVE REPLACEMENT & ELECTRICAL UPGRADE
SERVICE CONNECTIONS WB-2A AND WB-2B EQUIPMENT RELOCATION
SF-01
SIERRA MADRE TUNNEL
SIMULATION AND MODELING APPLICATION FOR REAL TIME OPERATIONS SMART OPS
SITE 3 SECOND LOWER FEEDER URGENT REPAIRS
SITE 3 SECOND LOWER FEEDER URGENT REPAIRS - FINAL DESIGN
SITES 1 & 2 SECOND LOWER FEEDER URGENT REPAIRS
SITES 1 & 2 SECOND LOWER FEEDER URGENT REPAIRS - FINAL DESIGN & PIPE FABRICATION
SKINNER BRANCH- CONSTRUCT 50FT X 150FT METAL STORAGE BLDG
SKINNER ACCUSONIC FLOWMETER REPLACEMENT
SKINNER BRANCH - AIR INJECTION MODIFICATIONS TO RED MOUNTAIN POWER PLANT
SKINNER BRANCH - CASA LOMA CANAL
SKINNER BRANCH - CASA LOMA SIPHON BARREL ONE
SKINNER BRANCH - CATWALK FOR TRAVELING MAINTENANCE BRIDGE FOR
SKINNER BRANCH - FABRICATE & REPLACE THE STEMS, NUTS & KEYS
SKINNER BRANCH - REPAIR MODULE 1 AND 2 FLOCCULATORS BRIDGES
SKINNER BRANCH, SAN DIEGO CANAL ACOUSTIC FLOW METER
SKINNER BRANCH, UPGRADE EXISTING PUBLIC ADDRESS & ALARM SYS
SKINNER BYPASS PIPELINE CHLORINATION SYSTEM
SKINNER DAM REMEDIATION
SKINNER DISTRIBUTION SYSTEM - CONTRACT # 1396
SKINNER EGEN UST UPGRADE - LLD INSTALLATION
SKINNER ELECTRICAL BUILDING HVAC UPGRADE
SKINNER FACILITY AREA PAVING
SKINNER FILTR. PLANT- CATHODIC PROTECTION
SKINNER FILTRATION PLANT - ELEVATED SLAB IN SERVICE BLDG 1
SKINNER HELIPAD REHAB
SKINNER INDUSTRIAL WATER PUMP CONTROL UPGRADE
SKINNER ORP SWITCHGEAR BATTERY REPLACEMENT
SKINNER PLANT 1 LOSS OF HEAD ULTRASONIC METER REPLACEMENT
SKINNER PLANT IMPROVEMENT PROGRAM, EFFLUENT TANK BYPASS
SKINNER REPLACEMENT FOR WETCELL BATTERY AND INVERTER
SKINNER SCADA SERVERS RELOCATION
SKINNER SPARGER PUMP REPLACEMENT
SKINNER SPILLWAY REHABILITATION
SKINNER, REPLACE WILLOWGLEN RTU
SMART-OPS (FORMERLY RTOS)
SMN-02
SOLAR FROM CWE
SOMMS - MATERIALS INTERFACE & MOBILE TECHNOLOGY
SOTO ST FAC-REPL HEAT & A/C SYSTEM
SOTO ST. FACILITY - SECURITY & HVAC REPLACEMENT
SOTO STREET FACILITY - BUILDING SEISMIC UPGRADE
SOTO STREET FACILITY - REPLACE HEATING

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

SOTO STREET FACILITY - ROOF REPLACEMENT
SOUTH COAST FEEDER, SCH 68 PS AND 69PS (SPEC NO. 667)
SOUTH COUNTY PIPELINE PROTECTION AT SAN JUAN CREEK
SOUTH COUNTY PIPELINE PROTECTION AT SAN JUAN CREEK CROSSING
SOUTH REACH / TUNNEL STUDY
SOUTH REACH CONSTRUCTION/ASBUILT - FUTURE UNAPPROPRIATED
SOUTH REACH DESIGN - FUTURE/UNAPPROPRIATED
SOUTH REACH ENVIRONMENTAL - FUTURE/UNAPPROPRIATED
SOUTH REACH FEASIBILITY STUDY
SOUTH REACH PROJECT MANAGEMENT - FUTURE/UNAPPROPRIATED
SOUTH REACH RIGHT OF WAY - FUTURE/UNAPPROPRIATED
SPECIAL SERVICE BRANCH - REPLACE PLATE BENDING
SPECIAL SERVICES BRANCH, INSTALL EMERGENCY GENERATOR FOR SHOPS
ST. JOHN'S CANYON CHANNEL EROSION MITIGATION
ST. JOHN'S CANYON CHANNEL REPAIR AND MODIFICATIONS
STATION 1094+93 TO 1331+00 (SCH SD12PS)
STATION 1278+00 TO 1291+00 - ORANGE COUNTY FEEDER (ORG CONST)
STATION 1331+00 TO 1593+14 (SDH SD13PS)
STATION 1553+50 TO 1820+50 (SCH SD14SG)
STATION 1820+50 TO SAN DIEGO COUNTY LINE (SCH SD15SG)
STRUCTURE MODIFICATIONS TO SAN DIEGO PIPELINE"S # 1 AND 2
STRUCTURES, PHASE 2 -WEST VALLEY FEEDER NO. 1 (INTERIM CONST)
SUNSET MAINTENANCE CENTER HOIST REPLACEMENT
SURGE SUPRESSION SYSTEM AT OC-8
SVC CONNECT 2ND LOWER FEEDER STA 1866+00-1875+00
SVC CONNECT ALLEN MCCOLLOCH STA 289+00+292+00
SVC CONNECT ALLEN MCCOLLOCH STA 30+90-46+10
SVC CONNECT AULD VALLEY PIPELINE
SVC CONNECT BOX SPRINGS FEEDER STA 216+80-265+50
SVC CONNECT BOX SPRINGS FEEDER STA 51+50-54+75
SVC CONNECT CALH-03
SVC CONNECT CULVER CITY FEEDER STA 498+00-489+00
SVC CONNECT CULVER CITY FEEDER STA 533+00-543+00
SVC CONNECT DVL, SKINNER, SD CANAL
SVC CONNECT EAST OC FEEDER STA 1043+00-1059+00
SVC CONNECT EAST OC FEEDER STA 1149+45
SVC CONNECT EAST OC FEEDER STA 1219+00-1241+00
SVC CONNECT EM-24, PERRIS VALLEY
SVC CONNECT FOOTHILL FEEDER CLWA-1
SVC CONNECT FOOTHILL FEEDER STA 209+85-279+80
SVC CONNECT FOOTHILL FEEDER STA 381+00-384+00
SVC CONNECT LA-29A
SVC CONNECT LAS POSAS WELLFIELD
SVC CONNECT LOWER FEEDER STA 286+90-307+50
SVC CONNECT LOWER FEEDER STA 307+00-326+00
SVC CONNECT LOWER FEEDER STA 475+60-484+60
SVC CONNECT LOWER FEEDER STA 484+80
SVC CONNECT OC FEEDER STA 1299+50 ETC.
SVC CONNECT OC FEEDER STA 1437+50-1442+50
SVC CONNECT OC FEEDER STA 1656+50-1736+60
SVC CONNECT OC FEEDER STA 1969+50-1974+50
SVC CONNECT OC FEEDER STA 937+00-948+00
SVC CONNECT RIALTO PIPELINE STA 4046+00-4059+00
SVC CONNECT RIALTO PIPELINE STA 4056+00-4070+00
SVC CONNECT RIALTO PIPELINES STA 3305+36 TO 3316+00
SVC CONNECT RIALTO PIPELINES STA 4046+00-4070+00
SVC CONNECT RIALTO STA 3390+00-3440+00
SVC CONNECT SA-03 MODIFICATIONS AND WILLITS PRESSURE CONTROL STRUCT
SVC CONNECT SAN FRANCISQUITO STA 269+50-293+00
SVC CONNECT SAN JOAQUIN RESERVOIR
SVC CONNECT SANTIAGO LATERAL & SPILLWAY DISCHARGE
SVC CONNECT SD PIPELINES STA 1326+00-1327+00
SVC CONNECT SD PIPELINES STA 1376+00-1470+00
SVC CONNECT SD PIPELINES STA 1391+50-1394+50
SVC CONNECT SD PIPELINES STA 1574+00-1584+60
SVC CONNECT SD STA 1191+00-193+00, 1176+00-1303+00
SVC CONNECT SD STA 1971+00-1981+00
SVC CONNECT SD STA 268+26, 268+39
SVC CONNECT SEPULVEDA FEEDER STA 1037+55
SVC CONNECT UPPER FEEDER STA 1044+00-1049+50
SVC CONNECT UPPER FEEDER STA 1064+50-1065+50
SVC CONNECT UPPER FEEDER STA 2006+00-2013+00
SVC CONNECT UPPER FEEDER STA 421+61
SVC CONNECT UPPER FEEDER STA 907+50-920+50
SVC CONNECT VICTORIA STREET LATERAL
SVC CONNECT WEST VALLEY FEEDER STA 1218+55
SVC CONNECT WEST VALLEY FEEDER STA 226+00-269+00
SYSTEM RELIABILITY PROGRAM
SYSTEM STATUS DISPLAY, OPERATIONS CONTROL CENTER
SYSTEM-WIDE ASPHALT REPLACEMENT
T-05
T-06
T-07
T-08

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

TELECOMM INFRASTRUCTURE UPGRADE PROGRAM, REPLACE DATA CENTER SWITCHES
TELECOMM INFRASTRUCTURE UPGRADE PROGRAM, REPLACE HUBS AT FIELD SITES
TELECOMM INFRASTRUCTURE UPGRADE PROGRAM, REPLACE ROUTERS AT FIELD SITES
TELECOMM INFRASTRUCTURE UPGRADE PROGRAM, TWO-WAY RADIO SYSTEM UPGRADE
TEMESCAL POWER PLANT REPLACE EMERGENCY GENERATOR
TESTING PROGRAM AT YORBA LINDA TEST FACILITY
TORRANCE LATERAL EXTENSION
TORRANCE LATERAL EXTENSION SCHEDULE 40A
TORRANCE LATERAL SCHEDULE 27SC
TOTAL ORGANIC CARBON (TOD) ANALYZER REPLACEMENT
TREATED WATER CROSS CONNECTION PREVENTION - FINAL DESIGN & CONSTRUCTION
TREATED WATER CROSS CONNECTION PREVENTION - UNFUNDED WORK
TURNOUT STRUCTURE, SERVICE CONNECTION G-2-SANTA MONICA FDR (ORG CONST)
TWO STRAY CURRENT INTERFERENCE BONDS W ORANGE COUNTY FDR
TWO-WAY RADIO ENHANCEMENT - EMERGENCY SERVICES, FIRE CONTROL, EVACUATION & BLDG. MAINT.
TWO-WAY RADIO ENHANCEMENT FOR EMERGENCY SERVICES, FIRE CONTROL, EVACUATION AND BLDG. MAINTENANCE
UF RAW VACUUM VALVES AND BLOWOFF IMPROVEMENTS
UNDER GROUND STORAGE TANK DISPENSER SPILL CONTAINMENT & REMEDIATION
UNION STATION EGEN UST UPGRADE, LINE LEAK DETECTOR INSTALLATION
UNION STATION TWO-WAY RADIO ENHANCEMENT FOR EMERGENCY SERVICES, FIRE CONTROL, EVACUATION AND BUILDING MAINTENANCE
UPGRADE CATHODIC PROTECTION RECTIFIERS
UPGRADE HOLLYWOOD TUNNEL PORTAL SLEEVE VALVE EQUIPMENT
UPGRADE SUNSET GARAGE
UPPER FEEDER - CATHODIC PROTECTION (SCH 25)
UPPER FDR-MODIFY PUDDINGSTONE SPILLWAY, STA.1950+62.71
UPPER FEEDER - SANTA ANA RIVER BRIDGE LINING REPAIRS
UPPER FEEDER - SANTA ANA RIVER BRIDGE REPAIRS
UPPER FEEDER - STRUCTURAL PROTECTION
UPPER FEEDER AIR ENTRAINMENT
UPPER FEEDER BLOW OFF STRUCTURE REPLACEMENT
UPPER FEEDER EMERENCY EXPANSION JOINT REPLACEMENT
UPPER FEEDER GATE REHABILITATION
UPPER FEEDER JUNCTION STRUCTURE SEISMIC UPGRADE
UPPER FEEDER- ROAD ACCESS TO SANTA ANA BRIDGE
UPPER FEEDER SANTA ANA RIVER BRIDGE SEISMIC MODIFICATION
UPPER FEEDER SANTA ANA RIVER DISCHARGE PAD
UPPER FEEDER SCHEDULE 10P
UPPER FEEDER SCHEDULE 11P
UPPER FEEDER SCHEDULE 1P
UPPER FEEDER SCHEDULE 2S
UPPER FEEDER SCHEDULE 3P
UPPER FEEDER SCHEDULE 4P
UPPER FEEDER SCHEDULE 5P
UPPER FEEDER SCHEDULE 6P
UPPER FEEDER SCHEDULE 7P
UPPER FEEDER SCHEDULE 8P
UPPER FEEDER SCHEDULE 9P
UPPER FEEDER- SERVICE CONNECTION P-1
UPPER FEEDER SERVICE CONNECTION, P-1, FM-1, AND SMR-1 REHABILITATION
UPPER FEEDER SERVICE CONNECTIONS UPGRADES
UPPER FEEDER TO ACCOMODATE SANTA FE RAILWAY EXPANSION
UPPER FEEDER URGENT REPAIRS AT STA 3239+00
UPPER FEEDER, MANHOLE MODIFICATION, STATION 1464+50
UPPER FEEDER, MANHOLE MODIFICATION, STATION 1495+54
UPPER FEEDER, MANHOLE MODIFICATION, STATION 1757+86
UPPER FEEDER, STA 1048+70 TO 1051+77
UPPER FEEDER, STA 1146+46 TO 116+50
UPPER FEEDER, STRUCTURAL PROTECTION, FINAL DESIGN
UPPER FEEDER: SERVICE CONN. FOR FOOTHILL M.W.D. IN PASADENA
UPPER FEEDER:COTTAGE AND GARAGE AT EAGLE ROCK CONTROL TOWER
UPPER FEEDER-REPLACE MAGNETIC FLOWMETER
UPPER NEWPORT BACKBAY BLOW?OFF STRUCTURE REHABILITATION
UPPER NEWPORT BAY BLOW-OFF STRUCTURE REHABILITATION
UPS SYSTEMS INSTALLATION AT FOOTHILL PCS
UPS SYSTEMS INSTALLATION AT PERRIS CONTROL STRUCTURE
US-2
USG-01
USG-02
USG-03
USG-04
USG-05
USG-06
USG-07
USG-08
USG-09
UTILITY BUSINESS ARCHITECTURE (OBJECT MAPPING/MODELING)
VACUUM AIR RELEASE VALVE RELOCATION PILOT PROGRAM
VALLEY & LOS ANGELES DISTRIBUTION VALVE POSITION DISPLAY UPGRADE
VALLEY BRANCH, PPLN CORROSION TEST STATION
VALLEY VIEW HYDROELECTRIC GENERATOR REFURBISHMENT
VALLEY VIEW METERING CIRCUIT MODIFICATIONS
VALVE PALOS VERDE FEEDER
VALVE PROCUREMENT
VALVE, 20

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

VALVE,24
VALVE-ASCOT-GARVEY CROSS FEEDER
VALVE-HOLLYWOD TUNNEL CNTRL STRUCTURE - SANTA MONICA FDR (INTERIM CONST)
VALVES - PALOS VERDES FEEDER
VENICE PCS VALVE REFURBISHMENT
VICTORIA ST. LATERAL EXTN. & VICTORIA ST.-223RD ST. CROSS FEEDER
VICTORIA STREET LATERAL: STA. 0+00 TO 147+62 (SCH. 46P)
VIDEO CONFERENCE REPLACEMENT
VIDEO CONFERENCE SYSTEM UPGRADE
VIDEOCONFERENCING UPGRADE
WADSWORTH PUMP DISCHARGE TO EASTSIDE PIPELINE INTERCONNECTION
WADSWORTH PUMP PLANT STOP LOGS
WADSWORTH PUMPING PLANT - MODIFICATION/REPAIRS OF FIFTY-NINE 6.9KV BREAKERS/CABINETS
WADSWORTH PUMPING PLANT CONDUIT REPAIR AND PROTECTION
WADSWORTH PUMPING PLANT CONTROL & PROTECTION UPGRADE
WADSWORTH PUMPING PLANT CONTROL & PROTECTION UPGRADE, PRELIMINARY DESIGN
WADSWORTH PUMPING PLANT CONTROL & PROTECTION UPGRADES
WADSWORTH PUMPING PLANT FOREBAY GANTRY CRANE UPGRADE
WADSWORTH PUMPING PLANT RECOATING 144" YARD PIPING
WADSWORTH PUMPING PLANT SLEEVE VALVE REFURBISHMENT
WADSWORTH PUMPING PLANT STOP LOGS ADDITION - STUDY
WADSWORTH PUMPING PLANT YARD PIPING LINING REPLACEMENT
WADSWORTH YARD PIPING LINING REPAIRS
WADSWORTH/DVL CONTROL & PROTECTION SYSTEM UPGRADE - UPS REPLACEMENT
WASHINGTON D.C. OFFICE LEASE AT 500 NEW JERSEY AVENUE N.W.
WASHINGTON PCS ON PV FDR- PLATFORMS/LADDERS
WASHINGTON STREET PRESSURE CONTROL STRUCTURE VALVE REPLACEMENT
WATER DELIVERY SYSTEM AUTOMATION
WATER ORDERING & EVENT SCHEDULING SYSTEM
WATER PLANNING APPLICATION
WATER QUALITY - REMOTE MONITORING
WATER QUALITY LABORATORY BUILDING EXPANSION
WATER QUALITY MONITORING AND EVENT DETECTION SYSTEM
WB-01
WB-02A
WB-02B
WB-03
WB-06A
WB-06B
WB-06B METER REPLACEMENT PROJECT
WB-07
WB-08
WB-09
WB-10
WB-11
WB-12
WB-13
WB-18
WB-19
WB-21
WB-22
WB-23
WB-24
WB-25
WB-26A
WB-27
WB-28
WB-28 SERVICE CONNECTION MODIFICATIONS
WB-29
WB-30
WB-31
WB-32
WB-33
WB-34
WB-36
WB-37
WB-39
WB-40
WB-MISC
WCF/PVF INTERCONNECTION VALVE AUTOMATION
WD-28
WEST BASIN LATERAL EXTENSION
WEST BASIN LATERAL: STA.4+95 TO 355+19 (SCH.43P)
WEST BASIN LATERAL: STA.4+95 TO 355+19, SCH.43P (SPEC NO. 378)
WEST COAST FEEDER - CATHODIC PROTECTION SYSTEMS
WEST COAST FEEDER, DISCOUNTS & MISCELLANEOUS CREDITS
WEST COAST FEEDER, SCHEDULE 65SC (SPEC. NO. 560)
WEST COAST FEEDER, SCHEDULE 66SC (SPEC NO. 560)
WEST COAST FEEDER, SCHEDULE 67SC (SPEC NO. 560)
WEST OC FEEDER VALVE REPLACEMENT
WEST ORANGE COUNTY FDR, RELOCATE STATIONS 132+16 TO 132+74
WEST ORANGE COUNTY FDR. PCS-INSTALL 480V 3 PHASE ELEC. SERVICE
WEST ORANGE COUNTY FEEDER (WOCF) VALVE REPLACEMENT
WEST ORANGE COUNTY FEEDER BLOWOFF DRAIN LINE REHABILITATION ENGINEERING CHANGE

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites

WEST ORANGE COUNTY FEEDER OC-09 REHABILITATION
WEST ORANGE COUNTY FEEDER -RELOCATION AT STATION 456+00+
WEST ORANGE COUNTY FEEDER SERVICE CONNECTION OC-09 REHABILITATION
WEST ORANGE COUNTY FEEDER- STA.0/03 TO 458/90, SCH. 60SC (SPEC #427)
WEST ORANGE COUNTY FEEDER VALVE REPLACEMENT
WEST ORANGE COUNTY FEEDERCATHODIC PROTECTION
WEST VALLEY #1 FEEDER (FORMERLY CALLEGUAS CONDUIT)
WEST VALLEY AREA STUDY
WEST VALLEY FACILITIES STUDY
WEST VALLEY FEEDER # 1 STAGE 2 VALVE STRUCTURE MODIFICATIONS - CONSTRUCTION
WEST VALLEY FEEDER NO 1 - STAGE 2 VALVE STRUCTURE MODIFICATIONS
WEST VALLEY FEEDER NO. 1 - DE SOTO VALVE STRUCTURE IMPROVEMENTS
WEST VALLEY FEEDER NO. 1 - DE SOTO VALVE STRUCTURES IMPROVEMENT
WEST VALLEY FEEDER NO. 1 - STAGE 3 IMPROVEMENTS
WEST VALLEY FEEDER NO. 1 ACCESS ROADS AND STRUCTURE IMPROVEMENTS (STAGE 2)
WEST VALLEY FEEDER NO. 1 ACCESS ROADS AND STRUCTURE IMPROVEMENTS (STAGE 3)
WEST VALLEY FEEDER NO. 1 ACCESS ROADS AND STRUCTURES IMPROVEMENTS
WEST VALLEY FEEDER NO. 1 STAGE 2 VALVE STRUCTURE MODIFICATIONS
WEST VALLEY FEEDER NO. 1 STRUCTURES - PIPING IMPROVEMENTS
WEST VALLEY FEEDER NO. 1 VALVE STRUCTURE MODIFICATIONS
WEST VALLEY FEEDER NO. 2- ALISO CREEK TO FULLBRIGHT PLACE
WEST VALLEY FEEDER NO. 2- FULLBRIGHT TO SANTA SUSANA TUNNEL
WEST VALLEY FEEDER NO. 2- HAVENHURST ST. TO CHATSWORTH ST.
WESTERN MWD CONNECTIONS (Z-39)
WESTERN REGION DISTR SYS CATHODIC PROTECTION REMOTE MONITORING REFURBISHMENT
WESTERN REGION PLUMBING RETROFIT
WESTERN SAN BERNARDINO COUNTY REGION ENVIRONMENTAL MITIGATION MONITORING
WESTORANGE COUNTY FDR EXT - STA. 459+01 TO 685+00, SCH. 61SC
WEYM. PLT/LA VERNE FAC-BACKFLO PREV ASSY
WEYMOUTH - 140" EFFLUENT CONDUIT ROOF REPAIR
WEYMOUTH - BUILDING NO. 4 - HAND RAIL AND STAIRS ADDITION
WEYMOUTH - FLAG POLE AREA LANDSCAPE UPGRADE
WEYMOUTH ASPHALT REHABILITATION
WEYMOUTH COMPRESSED AIR SYSTEM
WEYMOUTH DISTRIBUTION SYSTEM - REPLACEMENT OF AREA CONTROL SYSTEMS - CONTRACT #1396
WEYMOUTH DOMESTIC WATER PIPELINE REPLACEMENT
WEYMOUTH ELECTRIC VEHICLE CHARGING STATION INSTALLATION
WEYMOUTH FILT PLT, REPLACE AND REFURBISH SOLIDS HANDLING (103206)
WEYMOUTH FILTER BUILDING VENTURI REHABILITATION
WEYMOUTH FILTER OUTLET CONDUIT REPAIRS
WEYMOUTH FILTR. PANT- SOUTHER SALT STORAGE BASIN
WEYMOUTH FLOCCULATOR REHABILITATION
WEYMOUTH IMPROVEMENT PROGRAM, BASINS 3 & 4 REHABILIATION
WEYMOUTH SOLAR POWER FACILITIES
WEYMOUTH WATER TREATMENT PLANT DOMESTIC AND FIRE WATER SYSTEM IMPROVEMENT
WEYMOUTH WTP, FILTER BUILDING 1 BACKWASH HEADER VALVE REPLACEMENT
WEYMOUTH, REPLACE WILLOWGLEN RTU
WEYMUTH SOLAR POWER PLANT
WFP - ASPHALT REHABILITATION
WFP - COMPRESSED AIR SYSTEM IMPROVEMENT
WFP - PURCHASE OF REAL PROPERTY
WFP - REPAIR TO BLDG # 1
WHEELER AVENUE LANDSCAPE SCREENING
WHEELER GATE STORMWATER IMPROVEMENT
WHITEWATER SIPHONS EROSION PROTECTION
WILLITS ST. PCS VALVE ACTUATOR REPLACEMENT
WILLITS STREET PRESSURE CONTROL STRUCTURE REHABILITATION
WILLOWGLEN RTU REPLACEMENT
WR-01
WR-02
WR-09
WR-10
WR-12
WR-13
WR-14
WR-15
WR-17
WR-18A
WR-19
WR-20
WR-21
WR-23
WR-24A
WR-24C
WR-24D
WR-24D FLOWMETER REPLACEMENT
WR-25
WR-26
WR-27
WR-28
WR-29
WR-33
WRITE OFF DEMOLISHED MASTER METER AT SANTA ANA CROSS FDR
YORBA LINDA FEEDER - STA 924+11 PORTAL ACCESS

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description	
Distribution Facilites	
YORBA LINDA FEEDER BYPASS	
YORBA LINDA FEEDER DISCHARGE RETURN SYSTEM: QUAGGA MUSSEL CONTROL	
YORBA LINDA FEEDER- SCH. 150 & 151	
YORBA LINDA FEEDER- SCHEDULE 153,155 AND 156	
YORBA LINDA FEEDER- TONNER TUNNELS NO.1 & 2	
YORBA LINDA PCS REHABILITATION	
YORBA LINDA PORTAL STRUCTURE	
YORBA LINDA PORTAL STRUCTURE ACCESS/TELEGRAPH CREEK BRIDGE	
YORBA LINDA TEST FACILITY- FLOWMETER TESTS	
Sub-total Distribution facilities costs	**$ 101,998,076**

TABLE 4

FISCAL YEAR 2025/26
ESTIMATED READINESS-TO-SERVE CHARGE REVENUE

Member Agency	Rolling Ten-Year Average Firm Deliveries (Acre-Feet) FY2013/14 - FY2022/23	RTS Share	6 months @ $181 million per year (7/25-12/25)	Rolling Ten-Year Average Firm Deliveries (Acre-Feet) FY2014/15 - FY2023/24	RTS Share	6 months @ $188 million per year (1/26-6/26)	Total RTS Charge FY 2025/26
Anaheim	23,001.9	1.69%	1,526,826	23,328.3	1.84%	1,728,612	3,255,438
Beverly Hills	9,858.1	0.72%	654,364	9,458.6	0.75%	700,876	1,355,240
Burbank	11,540.0	0.85%	766,005	10,532.3	0.83%	780,436	1,546,442
Calleguas MWD	90,313.9	6.62%	5,994,880	85,497.7	6.74%	6,335,323	12,330,203
Central Basin MWD	31,768.2	2.33%	2,108,718	30,647.0	2.42%	2,270,922	4,379,640
Compton	12.0	0.00%	797	8.3	0.00%	615	1,412
Eastern MWD	96,726.8	7.09%	6,420,557	96,954.0	7.64%	7,184,227	13,604,784
Foothill MWD	8,399.5	0.62%	557,544	8,062.2	0.64%	597,404	1,154,948
Fullerton	6,528.4	0.48%	433,344	6,128.6	0.48%	454,125	887,469
Glendale	15,436.0	1.13%	1,024,615	14,676.3	1.16%	1,087,504	2,112,119
Inland Empire Utilities Agency	57,672.1	4.23%	3,828,174	54,727.4	4.31%	4,055,264	7,883,438
Las Virgenes MWD	19,302.4	1.42%	1,281,260	18,431.7	1.45%	1,365,777	2,647,037
Long Beach	27,777.5	2.04%	1,843,822	26,463.1	2.09%	1,960,898	3,804,720
Los Angeles	272,316.9	19.97%	18,075,923	242,114.6	19.09%	17,940,531	36,016,454
Municipal Water District of Orange County	187,038.3	13.72%	12,415,278	172,537.1	13.60%	12,784,884	25,200,162
Pasadena	19,104.9	1.40%	1,268,150	18,267.3	1.44%	1,353,595	2,621,745
San Diego County Water Authority	175,570.9	12.88%	11,654,092	145,667.0	11.48%	10,793,828	22,447,919
San Fernando	312.4	0.02%	20,737	470.7	0.04%	34,879	55,615
San Marino	0.0	0.08%	68,708	990.4	0.08%	73,388	142,096
Santa Ana	8,648.2	0.63%	574,053	7,865.5	0.62%	582,828	1,156,881
Santa Monica	4,783.2	0.35%	317,501	5,039.7	0.40%	373,438	690,939
Three Valleys MWD	62,674.4	4.60%	4,160,218	60,225.0	4.75%	4,462,632	8,622,850
Torrance	15,088.8	1.11%	1,001,568	14,683.8	1.16%	1,088,060	2,089,628
Upper San Gabriel Valley MWD	38,526.1	2.83%	2,557,296	40,189.6	3.17%	2,978,023	5,535,318
West Basin MWD	111,549.0	8.18%	7,404,429	108,841.6	8.58%	8,065,090	15,469,519
Western MWD	68,413.1	5.02%	4,541,143	66,759.6	5.26%	4,946,842	9,487,985
MWD Total	1,363,398.1	100.00%	$ 90,500,000	1,268,567.4	100.00%	$ 94,000,000	$ 184,500,000

Totals may not foot due to rounding

TABLE 5

FISCAL YEAR 2025/26
ESTIMATED STANDBY CHARGE REVENUE

Member Agencies	Total Parcel Charge	Number of Parcels Or Acres	Gross Revenues (Dollars) [1]
Anaheim	$ 8.55	69,946	598,036
Beverly Hills	-	-	-
Burbank	14.20	29,053	412,549
Calleguas MWD	9.58	260,221	2,492,922
Central Basin MWD	10.44	341,856	3,568,972
Compton	0.10	18,052	1,805
Eastern MWD (1)	6.94	483,466	3,355,251
Foothill MWD	10.28	30,318	311,668
Fullerton	10.71	35,296	378,024
Glendale	12.23	44,945	549,677
Inland Empire Utilities Agency	7.59	266,441	2,022,284
Las Virgenes MWD	8.03	52,023	417,741
Long Beach	12.16	92,443	1,124,111
Los Angeles	-	-	-
Municipal Water District of Orange County (2)	10.09	668,318	7,599,954
Pasadena	11.73	39,876	467,747
San Diego County Water Authority (1)	11.51	1,046,653	12,046,979
San Fernando	-	5,102	-
San Marino	8.24	4,970	40,955
Santa Ana	7.88	65,121	513,151
Santa Monica	-	-	-
Three Valleys MWD	12.21	152,334	1,860,003
Torrance	12.23	40,677	497,484
Upper San Gabriel Valley MWD	9.27	215,922	2,001,594
West Basin MWD	-	-	-
Western MWD	9.23	389,857	3,598,384
MWD Total		4,352,890	$ 43,887,274

(1) Estimates per FY 2024/25 applied amounts and Adjusted due to reorganization of Rainbow

(2) Adjusted for inclusion of Coastal MWD

Note: Totals may not foot due to rounding.

TABLE 6

PARCELS SUBJECT TO ANNEXATION STANDBY CHARGES
AS OF JULY 1, 2024

Annexation	Parcel Number	Acres		Proposed Standby Charge (FY 2025/26)
Eastern MWD				
112th Fringe Area Annexation	900-030-036	31.67		$ 219.79
114th Fringe Area Annexation	900-370-003	3.19		$ 22.14
	900-370-004	2.58		$ 17.91
	900-370-005	2.68		$ 18.60
	900-370-006	3.07		$ 21.31
	900-370-007	4.09		$ 28.38
	900-370-008	3.36		$ 23.32
	900-370-009	2.98		$ 20.68
	900-370-010	3.40		$ 23.60
	900-370-011	3.31		$ 22.97
	900-370-012	3.96		$ 27.48
	900-370-013	3.05		$ 21.17
	900-380-001	2.55		$ 17.70
	900-380-002	2.50		$ 17.35
	900-380-003	2.50		$ 17.35
	900-380-005	3.03		$ 21.03
	900-380-006	3.39		$ 23.53
	900-380-008	2.50		$ 17.35
	900-380-009	2.54		$ 17.63
	900-380-010	3.46		$ 24.01
	900-380-011	2.57		$ 17.84
	900-380-012	2.72		$ 18.88
	900-380-013	2.71		$ 18.81
	900-370-015	3.18		$ 22.07
	900-370-016	3.00		$ 20.82
	900-370-017	3.13		$ 21.72
	900-370-021	2.94		$ 20.40
	900-370-022	2.67		$ 18.53
	900-380-014	2.79		$ 19.36
	900-380-015	2.54		$ 17.63
	900-380-016	2.53		$ 17.56
	900-380-017	2.63		$ 18.25
	900-380-018	2.56		$ 17.77
	908-010-001	2.04		$ 14.16
	900-050-025	2.73		$ 18.95
	900-050-007	3.91		$ 27.14
	900-050-008	5.77		$ 40.04
San Diego County Water Authority				
Yerba Valley Annexation	329-131-08	4.30		$ 49.49
	329-131-09	4.60		$ 52.95
	329-131-11	6.60		$ 75.97
	329-131-33	4.50		$ 51.80
	329-132-02	4.00		$ 46.04
	329-132-03	4.00		$ 46.04
	329-132-04	4.00		$ 46.04
	329-132-05	4.40		$ 50.64
	329-132-09	5.00		$ 57.55
	329-132-10	5.00		$ 57.55
	329-132-13	4.00		$ 46.04

TABLE 6

PARCELS SUBJECT TO ANNEXATION STANDBY CHARGES
AS OF JULY 1, 2024

Annexation	Parcel Number	Acres		Proposed Standby Charge (FY 2025/26)
Yerba Valley Annexation	329-132-14	8.00		$ 92.08
	329-132-15	3.60		$ 41.44
	329-132-18	4.00		$ 46.04
	329-132-42	1.00		$ 11.51
	329-132-43	8.80		$ 101.29
	329-132-48	4.60		$ 52.95
Murrieta Payment Area				
Eastern MWD	910-020-010	6.87		$ 47.68
	910-070-004	1.61		$ 11.17
	910-150-003	1.00		$ 6.94
	910-150-004	2.00		$ 13.88
	910-150-007	1.00		$ 6.94
	910-150-008	2.00		$ 13.88
	910-150-010	1.00		$ 6.94
	910-070-008	1.95		$ 13.53
	910-070-009	1.93		$ 13.39
	910-150-002	1.00		$ 6.94
	910-160-001	1.00		$ 6.94
	910-170-001	2.00		$ 13.88
	910-170-011	1.00		$ 6.94
	910-180-006	1.00		$ 6.94
	910-180-011	1.00		$ 6.94
	910-180-012	1.00		$ 6.94
	910-180-018	1.66		$ 11.52
	910-020-014	10.55		$ 73.22
	910-170-010	1.00		$ 6.94
	910-180-007	1.00		$ 6.94
	910-180-009	1.00		$ 6.94
	910-180-014	1.00		$ 6.94
	910-210-009	2.22		$ 15.41
	910-210-013	1.11		$ 7.70
	910-210-018	2.39		$ 16.59
	910-210-014	2.22		$ 15.41
	910-210-019	2.95		$ 20.47
	910-150-006	1.00		$ 6.94
	910-150-014	2.50		$ 17.35
	910-150-017	2.50		$ 17.35
	910-160-007	1.00		$ 6.94
	910-160-014	1.17		$ 8.12
	910-170-005	0.50		$ 3.47
	910-170-013	1.50		$ 10.41
	910-170-016	1.00		$ 6.94
	910-180-008	1.00		$ 6.94
	910-180-013	1.00		$ 6.94
	910-210-003	1.28		$ 8.88
	910-210-006	1.53		$ 10.62
	910-020-070	1.00		$ 6.94
	910-020-071	1.00		$ 6.94
	910-020-009	2.42		$ 16.79
	910-020-068	0.50		$ 3.47
	910-070-006	0.98		$ 6.80

TABLE 6

PARCELS SUBJECT TO ANNEXATION STANDBY CHARGES
AS OF JULY 1, 2024

Annexation	Parcel Number	Acres		Proposed Standby Charge (FY 2025/26)
Eastern MWD	910-070-005	1.24		$ 8.61
	910-150-009	1.00		$ 6.94
	910-150-015	2.50		$ 17.35
	910-160-005	1.00		$ 6.94
	910-170-003	1.00		$ 6.94
	910-170-004	0.50		$ 3.47
	910-020-069	1.00		$ 6.94
	910-150-001	1.00		$ 6.94
	910-150-005	5.00		$ 34.70
	910-160-002	1.00		$ 6.94
	910-160-003	1.00		$ 6.94
	910-160-015	9.44		$ 65.51
	910-170-015	1.00		$ 6.94
	910-180-015	1.00		$ 6.94
	910-210-008	1.22		$ 8.47
	910-210-017	2.39		$ 16.59
	910-160-004	1.00		$ 6.94
	910-170-009	1.50		$ 10.41
	910-100-014	5.15		$ 35.74
	910-170-008	3.00		$ 20.82
	910-170-017	1.00		$ 6.94
	910-170-018	1.33		$ 9.23
	910-180-017	1.81		$ 12.56
	910-180-023	1.81		$ 12.56
	910-210-001	2.61		$ 18.11
	910-210-002	2.62		$ 18.18
	910-210-010	2.39		$ 16.59
	910-210-015	2.39		$ 16.59
	910-180-003	0.25		$ 1.74
	910-180-010	2.00		$ 13.88
	910-210-004	1.28		$ 8.88
	910-210-005	1.28		$ 8.88
	910-210-011	2.39		$ 16.59
	910-210-012	1.33		$ 9.23
	910-150-011	1.00		$ 6.94
	910-150-012	2.00		$ 13.88
	910-160-011	0.94		$ 6.52
	910-160-012	0.94		$ 6.52
	910-160-013	0.94		$ 6.52
	910-180-004	0.25		$ 1.74
	910-180-005	0.50		$ 3.47
	910-150-013	1.00		$ 6.94
	910-170-002	1.00		$ 6.94
	910-170-012	0.50		$ 3.47
	910-170-014	2.00		$ 13.88
	910-180-024	1.95		$ 13.53
	910-220-008	1.49		$ 10.34
	910-220-016	25.07		$ 173.99
	910-220-004	3.74		$ 25.96
	910-220-009	1.49		$ 10.34
	910-220-014	4.83		$ 33.52
	910-210-007	1.00		$ 6.94

TABLE 6

PARCELS SUBJECT TO ANNEXATION STANDBY CHARGES
AS OF JULY 1, 2024

Annexation	Parcel Number	Acres		Proposed Standby Charge (FY 2025/26)
Eastern MWD	910-220-007	4.36		$ 30.26
	910-210-016	2.39		$ 16.59
	910-210-020	2.34		$ 16.24
	910-220-005	5.59		$ 38.79
	910-220-010	1.48		$ 10.27
Western MWD	910-410-011	18.03		$ 166.42

REORGANIZATIONS BETWEEN MEMBER AGENCIES

Annexation	Parcel Number	Acres	Original Standby Charge	Proposed Standby Charge (FY 2025/26)
Reorg Fallbrook Public Utility District from San Diego County Water Authority to Eastern Municipal Water District	No APN Presented		$ 11.51	$ 6.94

PARCELS SUBJECT TO ANNEXATION STANDBY CHARGES
ANTICIPATED AS OF JULY 1, 2025

Annexation	Parcel Number	Acres		Proposed Standby Charge (FY 2025/26)
None	No APN Presented			

REORGANIZATIONS BETWEEN MEMBER AGENCIES

Annexation	Parcel Number	Acres	Original Standby Charge	Proposed Standby Charge (FY 2025/26)
Reorg Rainbow Municipal Water District from San Diego County Water Authority to Eastern Municipal Water District	No APN Presented		$ 11.51	$ 6.94

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

RESOLUTION ____

RESOLUTION OF THE BOARD OF DIRECTORS OF THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA FIXING AND ADOPTING A CAPACITY CHARGE EFFECTIVE JANUARY 1, 2026

The Board of Directors of The Metropolitan Water District of Southern California (the "Board") hereby finds that:

1. The Board of The Metropolitan Water District of Southern California ("Metropolitan"), pursuant to Sections 133, 134 and 134.5 of the Metropolitan Water District Act (the "Act"), is authorized to fix such rate or rates for water as will result in revenue which, together with revenue from any water standby or availability of service charge or assessment, will pay the operating expenses of Metropolitan, provide for repairs and maintenance, provide for payment of the purchase price or other charges for property or services or other rights acquired by Metropolitan, and provide for the payment of the interest and principal of its bonded debt; and

2. The amount of revenue to be raised by the Capacity Charge shall be as determined by the Board and allocation of such charges among member agencies shall be in accordance with the method established by the Board; and

3. The Capacity Charge is a charge fixed and adopted by Metropolitan and charged to its member agencies, and is not a fee or charge imposed upon real property or upon persons as an incident of property ownership; and

4. The Capacity Charge is intended to recover the debt service and other appropriately allocated costs to construct, operate and maintain projects needed to meet peak demands on Metropolitan's distribution system, as shown in the FYs 2024/25 and 2025/26 Cost of Service Report for Proposed Water Rates and Charges (the "2024 Cost of Service Report"); and

5. Pursuant to Resoluation 8322, adopted by the Board on May 14, 1991, Resolution 8329, adopted by the Board on July 9, 1991, Resolution 9199, adopted by the Board on March 8, 2016, and Resolution 9201, adopted by the Board on March 8, 2016, and as each is thereafter amended and supplemented, proceeds of the Capacity Charge and other revenues from the sale or availability of water are pledged to the payment of Metropolitan's revenue bonds, subordinate revenue bonds and short-term certificates, and commercial paper; and

6. The Capacity Charge is charged (on a dollar per cubic-foot-per-second basis) to member public agencies ("member agencies"), based upon the amount of capacity used by such member agency that is designed to recover the cost of providing peaking capacity within the distribution system; and

7. On April 9, 2024, the Board considered the rates and charges presented by the General Manager and approved the biennial budget for fiscal years 2024/25 and 2025/26 and adopted recommended water rates for

calendar years 2025 and 2026 and charges for calendar year 2025, and received information and documents available at https://www.mwdh2o.com/who-we-are/budget-finance/; and

8. In approving the biennial budget and adopting the rates and charges on April 9, 2024, the Board determined the amount of revenue to be raised by the Capacity Charge in calendar year 2026 to be based on a Capacity Charge in such year of $14,500 per cubic-feet-per-second, based on information and documents available at https://www.mwdh2o.com/who-we-are/budget-finance/; and

9. Each of the meetings of the Board were conducted in accordance with the Brown Act (commencing at Section 54950 of the Government Code), for which due notice was provided and at which quorums were present and acting throughout;

NOW, THEREFORE, the Board does hereby resolve, determine and order as follows:

Section 1. That the Board hereby fixes and adopts a Capacity Charge, as described below, to be effective January 1, 2026.

Section 2. That said Capacity Charge shall be in an amount sufficient to provide for payment of the capital financing costs not paid from *ad valorem* property taxes, as well as other appropriately allocated costs, incurred to provide peaking capacity within Metropolitan's distribution system.

Section 3. That such Capacity Charge effective January 1, 2026 shall be a charge as specified in Section 5 (set in dollars per cubic-feet-per-second of the peak day capacity) for capacity provided to a member agency, based on the maximum summer day demand placed on the system between May 1 and September 30 for the three-calendar year period ending December 31, 2004, and thereafter for a rolling three-calendar year period.

Section 4. The allocation of the Capacity Charge among member agencies is based on data recorded by Metropolitan and shall be conclusive in the absence of manifest error. Corrections may be made by staff for any incorrect recording or calculation, upon verification by the member agency.

Section 5. That the Capacity Charge shall be a fixed charge as shown in the following table and collected from each member agency monthly, quarterly or semiannually as agreed to by Metropolitan and the member agency.

Table 1. Calendar Year 2026 Capacity Charge

Calendar Year 2026 Capacity Charge					
	Peak Day Demand (cfs) (May 1 through September 30)				Rate ($/cfs): $14,500
	Calendar Year				
Member Agency	2022	2023	2024	3-Year Peak	Calendar Year 2026 Capacity Charge
Anaheim	74.5	64.0	23.9	74.5	$1,080,250
Beverly Hills	23.7	20.6	20.9	23.7	$343,650
Burbank	8.4	16.3	15.5	16.3	$236,350
Calleguas	138.8	159.6	167.1	167.1	$2,422,950
Central Basin	47.1	53.7	50.4	53.7	$778,650
Compton	0.0	3.2	0.0	3.2	$46,400
Eastern	187.3	190.5	233.2	233.2	$3,381,400
Foothill	16.1	14.9	18.1	18.1	$262,450
Fullerton	15.1	13.8	24.8	24.8	$359,600
Glendale	31.8	29.0	32.6	32.6	$472,700
Inland Empire	95.2	99.5	68.7	99.5	$1,442,750
Las Virgenes	34.8	37.9	30.6	37.9	$549,550
Long Beach	44.1	41.5	37.9	44.1	$639,450
Los Angeles	633.1	452.3	433.5	633.1	$9,179,950
MWDOC	282.0	233.6	258.5	282.0	$4,089,000
Pasadena	38.3	33.0	35.0	38.3	$555,350
San Diego CWA	841.5	558.6	498.5	841.5	$12,201,750
San Fernando	5.3	5.0	0.0	5.3	$76,850
San Marino	4.9	4.3	4.5	4.9	$71,050
Santa Ana	18.0	6.2	10.3	18.0	$261,000
Santa Monica	18.0	21.0	20.1	21.0	$304,500
Three Valleys	86.6	110.4	98.4	110.4	$1,600,800
Torrance	29.0	27.1	28.2	29.0	$420,500
Upper San Gabriel	25.3	11.5	16.4	25.3	$366,850
West Basin	173.7	171.7	175.6	175.6	$2,546,200
Western MWD	177.4	181.7	180.6	181.7	$2,634,650
Total	**3,050.0**	**2,560.9**	**2,483.3**	**3,194.8**	**$46,324,600**

Totals may not foot due to rounding

Section 6. That the Capacity Charge for each member agency, the method of its calculation, cost allocations and other data used in its determination are as specified in the adopted rates and charges to be effective January 1, 2026, which forms the basis of the Capacity Charge, and the corresponding 2024 Cost of Service Report. The adopted rates and charges and cost of service reports are on file and available for review by interested parties at Metropolitan's headquarters.

Section 7. That the Capacity Charge specified in Section 5, together with other revenues from Metropolitan's water rates, other charges, ad valorem property taxes, and other miscellaneous revenue, does not exceed the reasonable and necessary cost of providing Metropolitan's water service for which the rates and charges are made, or conferring the benefit provided, and is fairly apportioned to each member agency in proportion to the peak day capacity utilized by each member agency.

Section 8. 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 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.

Section 9. That the General Manager and the General Counsel are hereby authorized to do all things necessary and desirable to accomplish the purposes of this Resolution, including, without limitation, the commencement or defense of litigation and taking all necessary action to satisfy relevant statutes requiring notice by publication.

Section 10. That the Board Executive Secretary is hereby directed to transmit a certified copy of this Resolution to the presiding officer of the governing body of each member agency.

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 April 8, 2025.

_____

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

NOTICE TO MEMBER AGENCIES OF PROPOSED ADOPTION OF READINESS-TO-SERVE CHARGE AND CAPACITY CHARGE FOR CALENDAR YEAR 2026 AND CONTINUATION OF STANDBY CHARGE FOR FISCAL YEAR 2025/26

The Board of the Metropolitan Water District of Southern California (Metropolitan) adopted a biennial budget for fiscal years 2024/25 and 2025/26 on April 9, 2024. On the same date, the Board also adopted rates for calendar years 2025 and 2026 and charges for calendar year 2025 to meet revenue requirements for fiscal years 2024/25 and 2025/26. The Board's determinations were based on the assumption of Readiness-To-Serve charge collections for calendar year 2026 of $188 million and a Capacity Charge set at $14,500 per cubic-foot-second. Accordingly, notice is hereby given to each member public agency of Metropolitan that at its regular meeting to be held April 15, 2025 (or such other date as the Board shall hold its regular meeting in such month), Metropolitan's Board of Directors will consider the adoption of the Readiness-To-Serve Charge and Capacity Charge for calendar year 2026.

The Board's determinations on April 9, 2024 were also based on the continuation of Metropolitan's water standby charge for fiscal year 2025/26. Accordingly, at its regular meeting to be held May 13, 2025, (or such other date as the Board shall hold its regular meeting in such month), the Board will consider the General Manager's recommendation to continue Metropolitan's water standby charge for fiscal year 2025/26 under authority of Section 134.5 of the Act on land within Metropolitan at rates not to exceed, per acre of land, or per parcel of land less than an acre, as presently in effect. Any such water standby charge will be continued for the purpose of applying the collected revenues to the corresponding agencies' Readiness-To-Serve charge obligation.

Board letters with information about the proposed charges will be provided to the Board prior to the board meetings.

Dated: March 17, 2025

Katano Kasaine

Katano Kasaine
Assistant General Manager/
Chief Financial Officer

PROOF OF SERVICE

STATE OF CALIFORNIA)
) ss.
COUNTY OF LOS ANGELES)

I am employed in the County of Los Angeles, State of California. I am over the age of 18 years and am employed by The Metropolitan Water District of Southern California; my business address is 700 North Alameda Street, Los Angeles, California 90012.

On March 17, 2025, I served the foregoing document described as:

NOTICE TO MEMBER AGENCIES OF PROPOSED ADOPTION OF READINESS-TO-SERVE CHARGE AND CAPACITY CHARGE FOR CALENDAR YEAR 2026 AND CONTINUATION OF STANDBY CHARGE FOR FISCAL YEAR 2025/26

on the Metropolitan member public agencies via electronic mail (email) to the following email addresses:

anatole.falagan@lbwater.org;cobegolu@glendaleca.gov;cbilezerian@torranceca.gov;
cparker@anaheim.net;cmiller@wmwd.com;ddenham@sdcwa.org;DPedersen@lvmwd.com
davidreyes@cityofpasadena.net;edwardc@westbasin.org;elainej@centralbasin.org;
garry.hofer@amwater.com;hdelatorre@mwdoc.com;Janisse.Quinones@ladwp.com;
mouawadj@emwd.org;jgarfias@comptoncity.org;kmccaffrey@calleguas.com;
MSamra@burbankca.gov;mlitchfield@tvmwd.com;nsaba@santa-ana.org;
nina.jaz@fmwd.com;PEskandar@cityofSanMarino.org;RWilson@burbankca.gov;
sepstein@beverlyhills.org;sdeshmukh@ieua.org;stephen.bise@cityoffullerton.com;
sunny.wang@smgov.net;tom@usgvmwd.org;wjohnson@sfcity.org

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct. Executed on March 17, 2025, at Los Angeles, California.

Mya Ros
Mya Ros

Finance, Affordability, Asset Management and Efficiency Committee

Approve Resolutions Fixing and Adopting the Readiness-to-Serve Charge and Capacity Charge for 2026

Item 7-7
April 8, 2025

Item 7-7

Approve Resolutions Fixing and Adopting the RTS Charge and Capacity Charge for 2026

Subject

- Approve Resolutions Fixing and Adopting the Readiness-to-Serve (RTS) Charge and Capacity Charge for Calendar Year (CY) 2026

Purpose

- Approve the Resolutions fixing and adopting the RTS charge and Capacity charge for CY 2026 at levels previously determined by the Board

Background

April 9, 2024:

- Board adopted charges for Calendar Year (CY) 2025
  - Readiness-to-Serve (RTS) charge set at $181M
  - Capacity charge set at $13,000 per cubic foot per second (CFS)
- Board approved biennial budget for Fiscal Years (FYs) 2024/25 and 2025/26, with revenue assumptions from charges for CY 2026, as follows:
  - RTS charge set at $188M
  - Capacity charge set at $14,500 per CFS

- FYs 2024/25 & 2025/26 Cost of Service Report Published April 2024 to support 2025 & 2026 RTS & Capacity Charge

Fixed Charges Determinations

- RTS charge recovers capital costs of the portion of Metropolitan's system available for emergency service and available capacity during outages and hydrologic variability
  - RTS charge for CY 2026 allocated to member agencies based on their ten-year rolling average firm demands for Fiscal Year (FY) 2014/15 to FY 2023/24

- Capacity charge recovers capital costs of the portion of Metropolitan's system for peaking capacity
  - Capacity charge for CY 2026 charged on the member agencies' peak day demand between May and September for 2022 to 2024

Requested Action

- Approve the Resolutions fixing and adopting the RTS charge and Capacity charge for CY 2026 at levels previously determined by the Board

Board Options

- Option # 1
  - Adopt CEQA determination
  - Approve resolutions fixing and adopting the RTS charge and Capacity charge, effective January 1, 2026

- Option # 2
  - Direct staff to revisit FY 2025/26 of the biennial budget and water rates and charges for CY 2026

Staff Recommendation

- Option # 1
  - Adopt CEQA determination
  - Approve resolutions fixing and adopting the RTS charge and Capacity charge, effective January 1, 2026


THE METROPOLITAN WATER DISTRICT OF
SOUTHERN CALIFORNIA
1928

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Report

Group

- **Real Property Quarterly Report (Q3) January 1 to March 31, 2025**

Summary

This report provides an update on real estate activities for the period of January 1, 2025, through March 31, 2025. During this reporting period, twelve (12) transactions were executed, including six (6) transactions for the acquisition of real property interests for Metropolitan use, six (6) transactions for the issuance of rights to use Metropolitan land by others, and zero (0) transactions for the disposition of Property and/or Property Rights by Metropolitan. These transactions include secondary compatible uses on Metropolitan property and the acquisition of property and/or property rights for construction and operational purposes.

Purpose

Metropolitan Water District Administrative Code Section 2720: General Manager's Quarterly Reports

Metropolitan Water District Administrative Code Section 8257: Quarterly Report

Attachments

Attachment 1 Fee properties, easements, leases, licenses, and permits acquired for Metropolitan use

Attachment 2 Easements, leases, licenses, and permits issued to others by Metropolitan

Attachment 3 Disposition of Property and/or Property Rights by Metropolitan

Detailed Report

Fee Properties, Easements, Leases, Licenses and Permits acquired by Metropolitan

A six-month entry permit was obtained from the Los Angeles County Flood Control District to conduct soil resistivity testing on two parcels in Bellflower as part of the Pure Water Southern California Program. The tests support geotechnical exploration to determine pipeline feasibility along the proposed alignment.

A one-week temporary entry permit was acquired from Southern California Edison to conduct soil resistivity testing on 16 parcels across ten cities in Los Angeles County in support of the Pure Water Southern California Program. This geotechnical exploration is used to help determine pipeline feasibility along the proposed alignment.

A four-month extension of a License Agreement was obtained from the Serrano Highlands Master Association to complete restoration activities incurred from the construction of the Allen McColloch Pipeline Urgent Repair Project.

A four-month Purchase and Sale Agreement extension was obtained from Scuderia Development LLC to complete construction on the Perris Valley Pipeline Project. This Agreement and temporary construction easement were necessary to accommodate the turning radius of heavy construction vehicles during construction.

Two license amendments were executed with Bcore Retail Heritage Hill LLC to extend the current licenses for one additional month. The licenses were necessary to provide temporary field office spaces supporting the Allen McCulloch Pipeline PCCP Urgent Relining project in the City of Lake Forest.

Date of Report: April 8, 2025

Easements, Leases, Licenses, and Permits issued to others by Metropolitan

Two entry permits have been issued to Brookfield and Masters University for potholing purposes along the San Diego Pipeline 4 and Foothill Feeder right of way in Temecula and Santa Clarita, respectively. The permits will help facilitate two distinct private development projects adjacent to Metropolitan's land as well as minimize potential impacts to Metropolitan's facilities.

A new lease has been executed with Bouldin Farming Company comprising the entirety of Webb Tract in the Bay Delta. The lease is for an eight-month term to allow the farming of a winter wheat crop and to offset Metropolitan's land maintenance costs. Staff is working towards securing a long-term lease through an RFP process.

Metropolitan recently entered into an option to lease agreement with a subsidiary of AES Corporation (AES) for a long-term lease of up to 6,742 acres of Metropolitan's Palo Verde Mesa property to be used for carbon-free energy production and storage, contingent upon further project permits, approvals and environmental clearances under CEQA. If AES successfully obtains the permitting and approvals and exercises its option to lease, Metropolitan and AES would execute a long-term for all or a portion of the 6,742 acres.

Lease amendments were executed to extend the tenancy of Dinelli Farms and Sierra Cattle on Bouldin Island for an additional one-year period and the option to renew for a second, one-year extension. Staff is continuing to assess the feasibility of rice farming and other uses on the islands with intentions to publish an RFP in 2025 or 2026.

Disposition of Property and/or Property Rights by Metropolitan

None

Annexations

None

Fee Properties, Easement, Leases, Licenses and Permits acquired for Metropolitan Use
During 3rd Quarter of FY 2024/25
January 1, 2025 through March 31, 2025

GRANTOR	AREA	TYPE	TERM	USE	EXECUTED DATE	COSTS
Los Angeles County Flood Control District	3.43 acs	Entry Permit	6 months	To conduct soil resistivity testing	2/20/2025	$1,723
Southern California Edison	97.36 acs	Entry Permit	one week	To conduct soil resistivity testing	12/13/2024	$5,000
Serrano Highlands Master Association	10,617 sf	License Agreement (Extension)	4 months	To complete work on the Allen McCulloch Pipeline Urgent Relining project	2/26/2025	$6,400
Scuderia Development LLC	6,900 sf	Purchase & Sale Agreeement (Extension)	4 months	To complete work on the Perris Valley Pipeline project	2/27/2025	$5,660
BCore Retail Heritage Hill LLC	785 sf	License Amendment	1 month	To complete work on the Allen McCulloch Pipeline Urgent Relining project	2/21/2025	$3,605.10
BCore Retail Heritage Hill LLC	900 sf	License Amendment	1 month	To complete work on the Allen McCulloch Pipeline Urgent Relining project	2/21/2025	$4,135

(1) No compensation due to the mutual benefits derived by both parties.
(2) No compensation required by the property owner.
(3) Transaction not reported in previous quarter due to timing of report deadline or executed contract.

Date of Report: 7/12/2022

Easements, leases, licenses, and permits issued to others by Metropolitan
During 3rd Quarter of FY 2024/25
January 1, 2025 through March 31, 2025

Grantee/Lessee/Licensee	ACREAGE	TYPE	TERM	USE	EXECUTION DATE	REVENUE
Brookfield	4.2	Permit	12 Weeks	Geotechnical	12/11/2024	$4,000 lump sum
Master's University	12	Permit	10 Days	Geotechnical	12/16/2024	$2,500 lump sum
Bouldin Farming Company	5,497.0	Lease	8 Months	Agriculture	1/27/2025	35% of net profit
AES Corporation	Up to 6,742	Option to Lease	5-9 Years	Carbon Free Energy	2/27/2025	$100,000 annually
Dinelli Farms	3,103	Lease Amendment	1-2 Years	Agriculture	3/12/2025	$315,413 annually
Sierra Cattle	2,728	Lease Amendment	1-2 Years	Agriculture	3/17/2025	$336,150 annually

*** Transaction not reported in previous quarter due to timing of report deadline or executed contract**
n/a = Not Applicable

Disposition of Property and/or Property Rights by Metropolitan
During 3rd Quarter of FY 2024/25
January 1, 2025 through March 31, 2025

GRANTEE	AREA	TYPE	TERM	USE	EXECUTED DATE	SALES PRICE

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Board Report

Finance and Administration Group

- **Finance and Administration Group Activities Report**

Summary

This report provides a summary of the Finance and Administration group activities for for February 2025 and March 2025

Purpose

Informational

Attachments

Attachment 1–Finance and Administration group activities for February 2025 and March 2025.

Date of Report: 3/8/2025

Finance and Administration Group Activities Report for February 2025 and March 2025

Maintain Strong Financial Position

Provide timely and discerning financial analyses, planning, and management to ensure that forecasted revenues are sufficient to meet planned expenses and provide a prudent level of reserves consistent with board policy.

In February, an informational report was provided to the Finance and Asset Management Committee to review 2nd Quarter Financial Results and projections for Fiscal Year 2024/25. In addition, the Committee provided an update from the Business Model Review and Refinement Ad Hoc Working Group on treated water cost recovery, fixed versus volumetric revenues and unrestricted reserve policy.

Manage risk to protect Metropolitan's assets against exposure to loss.

The Risk Management Unit completed 43 incident reports communicating instances of Metropolitan property damage, liability, workplace injuries, regulatory visits, and spills.

Risk Management completed 48 risk assessments on contracts, including professional service agreements, construction contracts, entry permits, special events, and film permits.

Business Continuity

Facilitate district-wide planning and training to prepare employees and managers to effectively carry out critical roles and recover mission essential functions, thus ensuring continuity of operations and resiliency in the event of a disaster.

Manage the Business Continuity Management Program in accordance with Operating Policy A06.

- Developed a template in the Fusion software to capture and print Business Impact Analyses (BIA) information. The BIA information describes financial and operational impacts over time for business processes and determines recovery priorities.
- Worked with various areas across the District to facilitate Business Continuity Plan updates.
- Continued working with Fusion Risk Management to implement a third-party risk management module to the software. This would allow for us to survey critical vendors to ensure that Metropolitan can count on their products/services during an emergency.

Financial Management

Manage Metropolitan's finances in an ethical and transparent manner and provide consistent, clear, and timely financial reporting. Update Metropolitan's capital financing plans and work with rating agencies and investors to communicate Metropolitan's financial needs, strategies, and capabilities, thus ensuring that Metropolitan has cost-effective access to capital markets and the ability to finance ongoing future needs. In addition, actively manage Metropolitan's short-term investment portfolio to meet ongoing liquidity needs and changing economic environments.

Record and report the financial activities of Metropolitan in a timely, accurate, and transparent manner to the Board, executive management, member agencies, and the financial community.

FY24-25 Cash Water Transactions and Revenues Budget vs Actual (Preliminary, subject to change)

Month		Acre-Feet (AF)[2]		Variance		Revenue ($)[1]		Variance	
Delivered/ Billed In	To be Collected in	Budget	Actual	AF	%	Budget	Actual	$	%
May	July	111,381	93,988	(17,393)	-16%	115,411,844	111,844,425	(3,567,419)	-3%
June	August	119,830	101,259	(18,571)	-15%	142,766,424	100,440,378	(42,326,046)	-30%
July	September	133,150	113,715	(19,435)	-15%	141,775,001	121,901,017	(19,873,984)	-14%
August	October	136,454	116,650	(19,804)	-15%	145,410,622	129,047,328	(16,363,294)	-11%
September	November	127,137	114,291	(12,846)	-10%	133,836,426	124,663,850	(9,172,576)	-7%
October	December	123,989	115,743	(8,246)	-7%	128,665,932	122,055,973	(6,609,959)	-5%
November	January	124,881	99,081	(25,800)	-21%	125,782,252	110,437,861	(15,344,391)	-12%
December	February[3]	104,337	240,153	135,816	130%	103,324,010	265,305,379	161,981,369	157%
January	March	88,988	85,355	(3,633)	-4%	95,074,177	97,849,865	2,775,688	3%
February	April	77,291	67,202	(10,089)	-13%	81,911,825	75,548,551	(6,363,274)	-8%
YTD Total		**1,147,438**	**1,147,437**	**(1)**	**0%**	**1,213,958,513**	**1,259,094,627**	**45,136,114**	**4%**
March	May	82,757	-	-	0%	88,153,603	-	-	0%
April	June	107,565	-	-	0%	116,431,176	-	-	0%
FY Total		**1,337,760**	**1,147,437**	**N/A**	**N/A**	**1,418,543,292**	**1,259,094,627**	**N/A**	**N/A**

[1] Includes Water Sales, Exchanges, and Wheeling for member agency and non-member agency.
[2] AF reflected does not include non-member agency transactions.
[3] Actual amounts include 100 TAF and $125.6 million of Reversed Cyclic sales to be delivered within five years.

Update capital financing plans and work with rating agencies and investors to communicate financial needs and capabilities, ensure cost-effective access to capital markets, and maintain long-term bond ratings of AA or better.

In February 2025, staff convened our Disclosure Working Group to initiate the process of updating Appendix A for upcoming bond sales in June 2025. Staff also selected bond counsel for the various financial transactions that we anticipate over the next four to five months. Workplans and schedules were developed accordingly. Coordination with internal and external team members was discussed to identify key milestones and/or challenges.

Prudently manage the investment of Metropolitan's funds in accordance with policy guidelines and liquidity considerations.

As of February 28, 2025, Metropolitan's investment portfolio balance was $1.3 billion; the total February earnings were $3.85 million, and the effective rate of return was 4.33%.

In February 2025, Metropolitan's portfolio manager executed 18 buy and three sell trades.

Treasury staff managed daily cash flow to cover Metropolitan's operational expenditures and invest excess funds.

Treasury staff completed the following transactions:

- 42 Dreyfus Cash Management Fund transactions
- 19 CAMP Investment Pool transactions
- $2.54 million in Metropolitan's bond and Swap payments
- 1,103 disbursements by check, 22 by Automated Clearing House (ACH), and 153 by wire transfer
- 74 receipts by check, 28 by ACH, and 48 by incoming wires and bank transfers
- One exception confirmation and no unauthorized ACH

The Treasury staff also processed for Delta Conveyance Design and Construction Authority the following transactions:

- Received and deposited five checks totaling $0.26 million
- Issued seven checks and 14 wires totaling approximately $2.80 million

In addition, Treasury staff processed 13 professional services invoice payment requests totaling approximately $0.34 million.

Furthermore, 8,785 P-One Card transactions, totaling $1.37 million, recorded in the February bank statement were monitored by the P-One Card Administrator.

Administrative Services

Accomplishments

Request for Proposal (RFP) No. 1388 – Landscape and Residential Survey Program. Completed and awarded solicitation to conduct in-person commercial and residential large landscape irrigation surveys with a minimum of one acre of irrigated area and in-person indoor/outdoor residential surveys.

Request for Proposal (RFP) No. 1367 – Cybersecurity Operation Center Support Services. Completed and awarded solicitation for support services for the Metropolitan Cybersecurity Operations Center (CSOC), which operates around the clock, 365 days a year, to protect the Metropolitan's information technology, operational technology, and enterprise network infrastructure.

Request for Proposal (RFP) No. 1379 – Investment Management Services. Completed and awarded solicitation to provide investment management services for Metropolitan's short-term liquidity, long-term core, and endowment portfolio in accordance with the laws of the State of California, California Government Code § 53600-53686, and Metropolitan's Investment Policy.

Request for Qualifications (RFQ) No. 1380 – Agricultural and Urban Water Use Measurement, Modeling, and Analysis. Completed solicitation to develop a list of pre-qualified Respondents to provide support for Water Resource Management programs related to agriculture and urban water use, design of urban and agricultural conservation programs, irrigation flow and soil moisture measurement, land cover classification, evapotranspiration estimation, and data analysis on an on-call basis.

Sole Source Agreement Workflow Controls: Updated the Sole Source Justification form to prompt users and approvers to diligently deliberate the merits of why their procurement cannot be competitively bid, provide a strong sole source justification, and clearly identify which Admin Code exemption to competitive procurement they intend to use.