The Metropolitan Water District of Southern California



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

Board of Directors - Final - Revised 2

May 9, 2023

12:30 PM

Tuesday, May 9, 2023 **Meeting Schedule**

08:30 a.m. FAIRP 10:30 a.m. LC 12:00 p.m. Break

12:30 p.m. BOD 02:30 p.m. EOP

Agendas, live streaming, meeting schedules, and other board materials are available here: https://mwdh2o.legistar.com/Calendar.aspx. A listen-only phone line is available at 1-877-853-5257; enter meeting ID: 891 1613 4145. Members of the public may present their comments to the Board on matters within their jurisdiction as

listed on the agenda via in-person or teleconference. To participate via teleconference 1-833-548-0276 and enter meeting ID: 815 2066 4276 or click https://us06web.zoom.us/j/81520664276pwd=a1RTQWh6V3h3ckFhNmdsUWpKR1c2Z z09

MWD Headquarters Building • 700 N. Alameda Street • Los Angeles, CA 90012 **Teleconference Locations:**

> 3008 W. 82nd Place • Inglewood, CA 90305 2680 W. Segerstrom Avenue Unit I, • Santa Ana CA 92704

Casa Munras Garden Hotel & Spa • 700 Munras Avenue, Monterey • Marbella Room, CA 93940 Fullerton City Hall Council Chambers • 303 W. Commonwealth Avenue • Fullerton, CA 92832

1. Call to Order

a. Invocation: Vice Chair - Climate Action, Heather Repenning, City of 21-2276 Los Angeles

Attachments: 05092023 BOD 1a Video

b. Pledge of Allegiance: Director Dennis Erdman, Municipal Water District of Orange County

2. Roll Call

3. **Determination of a Quorum**

4. Community Reflections: Robert Sausedo and Jennie Carreon, 21-2274 Groundswell For Water Justice

Attachments: 05092023 BOD 4 Groundswell Project F

A. Approval of the Minutes of the Board of the Directors Meeting for April 11, 2023 (Copies have been submitted to each Director, any additions, corrections, or omissions)

<u>Attachments</u>: 05092023 BOD 7A (04112023) Minutes

7-4 Amend the Capital Investment Plan for fiscal years 2022/2023 and 2023/2024 to include the Diemer Helicopter Hydrant Facility project; the General Manager has determined that the proposed actions are exempt or otherwise not subject to CEQA (EOT)

<u>Attachments</u>: <u>05092023 EOT 7-4 B-L</u>

05082023 EOT 7-4 Presentation

Board of Directors May 9, 2023

Page 4

7-5 Award a \$1,466,665 procurement contract to B&K Valves & Equipment, Inc. for 72 combination air release/vacuum valves to be installed on San Diego Pipeline Nos. 3 and 5; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA (EOT)

21-2226

<u>Attachments</u>: <u>05092023 EOT 7-5 B-L</u>

05082023 EOT 7-5 Presentation

7-6 Authorize an increase in the maximum amount payable under contract with Thompson Coburn LLP for legal advice on state and federal energy regulatory and contractual matters by \$200,000 to a maximum amount payable of \$300,000; the General Manager has determined that this proposed action is exempt or otherwise not subject to CEQA (LC)

21-2234

Attachments: 05092023 LC 7-6 B-L

<u>05092023 LC 7-6 Presentation</u>

7-7 Approve changes in the Administrative Code to clarify provisions relating to Board committees and the role of the Vice Chairs of the Board, to delete references to certain Ad Hoc Committees, and to correct the pay grade for Board Executive Secretary due to elimination of the job title of Board Administrator; the General Manager has determined that this proposed action is exempt or otherwise not subject to CEQA (LC)

21-2233

Attachments: 05092023 LC 7-7 B-L

05092023 LC 7-7 Presentation

** END OF CONSENT CALENDAR ITEMS **

9. OTHER BOARD ITEMS - ACTION

8-1 Award a \$2,601,437 procurement contract to Sojitz Machinery Corporation of America for two large-diameter butterfly valves to be installed at the Foothill Pump Station Intertie as part of water supply reliability improvements in the Rialto Pipeline service area; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA (This action is part of a series of projects that are being undertaken to improve the supply reliability for State Water Project dependent areas) (EOT)

21-2222

Attachments: 05092023 EOT 8-1 B-L

05082023 EOT 8-1 Presentation

8-2 Award a \$5,266,000 contract to Leed Electric, Inc., to install 12 flow monitoring stations along the Colorado River Aqueduct conveyance system; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA (EOT)

21-2225

<u>Attachments</u>: 05092023 EOT 8-2 B-L

05082023 EOT 8-2 Presentation

8-3 Adopt a resolution to support an approximately \$20,900,000 grant application to the Sacramento-San Joaquin Delta Conservancy to develop a multi-benefit landscape opportunity on Webb Tract; and authorize the General Manager to accept the grant if awarded; the General Manager has determined that the proposed actions are exempt or otherwise not subject to CEQA. [REVISED SUBJECT 5/1/23] (OWS)

21-2229

Attachments: 05092023 OWS 8-3 B-L

05082023 OWS 8-3 Presentation

9344 Resolution

8-4 Authorize the General Manager to enter into an agreement with Western Municipal Water District, Rubidoux Community Services District, West Valley Water District, and San Bernardino Valley Municipal Water District to deliver water to Western's service area through facilities not owned by Metropolitan or Western; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA (OWS)

21-2231

Attachments: 05092023 OWS 8-4 B-L

05082023 OWS 8-4 Presentation

8-5 Review and maintain the General Manager's implementation of the Cyclic Cost-Offset Program effective April 15, 2023 pursuant to the Program terms approved by the Board on April 9, 2019; the Program previously was determined to be exempt or otherwise not subject to CEQA. [REVISED SUBJECT 5/1/23] (OWS)

<u>21-2232</u>

Attachments: 05092023 OWS 8-5 B-L (REVISED)

05082023 OWS 8-5 Presentation

8-6 Adopt resolution to continue Metropolitan's Water Standby Charge for fiscal year 2023/24; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA (FAIRP)

21-2242

21-2235

Attachments: 05092023 FAIRP 8-6 B-L

05092023 FAIRP 8-6 Presentation

9345 Resolution

- 8-7 Report on litigation in Joshua Rivers v. Metropolitan Water District, Los Angeles County Superior Court Case No. 22STCV09741; and authorize increase in maximum amount payable under contract for legal services with Sheppard, Mullin Richter & Hampton LLP in the amount of \$150,000 for a total amount not to exceed \$250,000; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA [Conference with legal counsel existing litigation; to be heard in closed session pursuant to Gov. Code Section 54956.9(d)(1)] (LC)
- 8-8 Authorize filing a cross-complaint in Oswalt v. The Metropolitan Water District of Southern California, San Diego County Superior Court Case No. 37-2023-00009934-CU-PO-CTL; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA [Conference with legal counsel existing litigation and initiating litigation; to be heard in closed session pursuant to Gov. Code Section 54956.9(d)(1) and 54956.9(d)(4)]. [ADDED ITEM 5/2/23] (LC)

10. BOARD INFORMATION ITEMS

9-1 Conservation Program Board Report

21-2114

21-2237

<u>Attachments</u>: <u>05092023 BOD 9-1 B-L</u>

9-2 Renewal Status of Metropolitan's Property and Casualty Insurance Program (FAIRP)

Attachments: 05092023 FAIRP 9-2 B-L

05092023 FAIRP 9-2 Presentation

11. OTHER MATTERS

NONE

12. FOLLOW-UP ITEMS

Board of Directors May 9, 2023

Page 7

NONE

13. FUTURE AGENDA ITEMS

14. ADJOURNMENT

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

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

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





May 9, 2023 Board Meeting

Item 6A



Metropolitan Water District of Southern California Summary of Events Attended by Directors at Metropolitan's Expense in April 2023

Date(s)	Location	Meeting Hosted by:	Participating Director(s)
April 20	Sacramento, CA	Delta Conveyance Design and Construction Authority (DCA)	Miguel Luna



Chair of the Board Monthly Activity Report – April 2023

Summary

This report highlights the activities of the Chair of the Board during the month of April 2023 on matters relating to The Metropolitan Water District of Southern California's business.

Monthly Activities

Key Activities

Attended meeting with General Manager Adel Hagekhalil and Los Angeles Mayor Bass' Chief of Staff Chris Thompson and Deputy Mayor Nancy Sutley to provide updates on Metropolitan's strategic priorities, the Colorado River, and matters of common interest. We also discussed climate adaptation master planning efforts.

Attended a Fish Out Event at Copper Basin in the desert with General Manager Adel Hagekhalil, where we joined over 80 Metropolitan field employees and their families on this once-per-year activity through the Department of Fish & Wildlife.

Participated in a demonstration of aerial firefighting methods by CalFire near Metropolitan's Diemer Treatment Plant with General Manager Adel Hagekhalil, Group Manager, Engineering Services John Bednarski, Brett Barbre, Board President of Yorba Linda Water District, and General Manager Major Mark Toy to tour the district's Marc Marcantonio permanent Heli-Hydrant, an innovative 12-foot wide, 2400-gallon water tank for firefighting helicopters. This was a preview to a similar facility planned near the Diemer Treatment Plant. The Heli-Hydrant allows first responders from CalFire to save critical time and effectively fight fires by offering a strategically placed, quick-fill, pilot-operated water source. The remote operation allows for greater safety of ground firefighters and water sources. This Heli-Hydrant enables the ability to safeguard life, property, and the environment for the benefit of the community.





Speaking Engagements/Events

Served as the opening keynote speaker at the American Water Works Association California-Nevada Spring Conference addressing efforts to adapt to climate change and answering questions from the audience of 1,000 conference participants. I emphasized that climate change is having a significant impact on the operations of water systems by affecting water availability, quality, infrastructure, and resilience, among other factors. I discussed Metropolitan's Climate Adaptation Plan, which will inform Metropolitan's Capital Investment Plan, regional and local water project development, and long-term financial planning. This plan looks at everything through a climate lens to ensure we are developing the best possible future for the communities we serve.





Served as a speaker at the Orange County Water Infrastructure Networking Summit (WINS). I was joined by One Water and Stewardship Committee Chair Tracy Quinn, who served as a panelist, as well as Vice Chair Michael Camacho, Directors Karl Seckel, Larry Dick, Linda Ackerman, and Engineering Operations and Technology Committee Chair Dennis Erdman. I focused my remarks on the importance of "cutting the blue tape," stifling the reliability of water supply resources, and access to safe drinking water for many communities in California. I spoke about the outlook for Metropolitan's critical water planning objectives, including the ongoing Climate Adaptation Master Planning process and the bold stand taken by Metropolitan's Board that potable water should not be used on decorative turf in commercial sectors.





Served as the keynote speaker at Western Riverside County Reception, sponsored by both Eastern Municipal Water District and Western Municipal Water District, reflecting on the leaders and key initiatives of the past. I emphasized the need for continued efforts to develop solutions for the future to address climate change impacts and vulnerabilities facing the region's water system and the communities' Metropolitan serves to advance strategies for an equitable and resilient water future, as well as answered questions from the audience.





Addressed the Metropolitan's Employee Service Award Luncheon, sharing brief reflections on my own
career at Metropolitan, the talent our staff brings to our challenges, and vision for Metropolitan as a
reliable and equitable water provider and as a diverse, inclusive workforce.



• Provided welcoming remarks at Groundswell's Day of Action event on Earth Day, ensuring every Californian can access clean and affordable water. I was joined by Director Juan Garza, who testified at the hearing, and General Manager Adel Hagekhalil, Ethics Officer Abel Salinas, and Diversity Equity and Inclusion Officer Liji Thomas. National civil rights, social justice, labor, business, water policy leaders, and community activists attended this unprecedented Water Justice Hearing and press conference held at Metropolitan's Headquarters building. Following the hearing, I met with a small group of community leaders to discuss the crisis facing California water needs and social justice. I had the privilege of greeting Labor and Civil Rights Leader Dolores Huerta and State Senator Steven Bradford in the Chair's office.







• Served as the keynote speaker at the Hispanic Coalition of Small Business Association's Spheres of Sustainability Summit, noting that Metropolitan has made a holistic, 360 degrees commitment to equity and inclusion in our workforce, supplier base, and the diverse communities in which we serve. I participated in a robust question-and-answer session addressing the needs of the small, diverse, owned business community and the need to cut the blue tape that has slowed progress in building the new class of infrastructure needed by utilizing the talent pool and services of all Southern California.







• Joined General Manager Adel Hagekhalil in kicking off Metropolitan's Sustainability Resilience and Innovation Expo and Earth Day celebration, emphasizing Metropolitan's long history of environmental stewardship. In the area of Sustainability, as we develop a climate lens for which all Metropolitan will subscribe to the new Climate Adaptation Master Plan, future people, and financial resources will be rooted in diversity, equity, and inclusion. This approach will also help Metropolitan deliver on our commitment to finding solutions that benefit people, communities, and the environment.





Joined Board Vice Chair Heather Repenning in paying tribute to General Manager Adel Hagekhalil at an event sponsored by Cedars Rotary Club, honoring him for his leadership in the Arab-American community highlighting efforts to increase access to drinking water.





Conference Attendance and Participation

I approved travel requests for Directors wishing to attend the Association of California Water Agencies Spring Conference in Monterey, California, as well as those wishing to attend the upcoming "Law of the River" seminar in Scottsdale, Arizona.

Approvals to Represent Metropolitan

Given unforeseen circumstances I asked Director Anthony Fellow to preside during the meeting of the Diversity, Equity, Inclusion, and Affordability Committee on April 8. The committee's business included a panel of member agency managers to discuss the proposal to provide a connection for the Rubidoux Community Services District.

Director John Morris, Vice Chair of the Sub-Committee on Pure Water SoCal and Regional Conveyance was asked to participate at a meeting in Hemet with Congressman Raul Ruiz and White House Infrastructure Czar Mitch Landrieu. Vice Chair Morris provided testimony about Metropolitan's funding priorities.

Date of Report: May 9, 2023

Regularly Scheduled/Ongoing Meetings

I received no additional comments from Directors about the new board room seating arrangement and participation of individual member agency managers who will be invited to sit with the board in alphabetical order of member agencies beginning in May 2023. The vendor has made the necessary changes to the electronics in the room for each director, and staff is reaching out to member agency managers for scheduling.

Committee and board meetings are now running mostly on time. In March, only one standing committee started late following the longer-than-expected board meeting. On March 25, all of the subcommittees and the Executive Committee meeting started on time. We have held two sets of concurrent meetings without complaint as well. Thank you to all the Committee Chairs and Vice Chairs for providing the Board Vice Chairs and myself with helpful feedback during the board agenda planning process. Also, thank you to members of the public I will continue to solicit feedback from the board during the Executive Committee meetings.

I continue to meet regularly to review issues and coordinate activities with the Board Vice Chairs, Department Heads, and Directors.

Date of Report: May 9, 2023



General Manager's Monthly Report



Activities for the Month of April 2023

A CALIFORNIA

Table of Contents

Message from the GM	3
Strategic Priorities Update	4-5
Executive Summary	6-7
Reflections	8
Water Resources and Engineering	
Water Resource Management	9-11
Bay-Delta	12-13
Colorado River	14
Engineering	15-21
Operations	
Water System Operations	22-44
Information Technology	45-46
Real Property	47-51
Security	52-53
Finance and Administration	
Finance	54-55
Administrative Services	56
Human Resources	57-58
Diversity, Equity and Inclusion	59-60
External Affairs	61-66
Sustainability, Resiliency and Innovation	67-74

Message from the

General Manager

Every day, I witness the commitment, expertise and ingenuity of our Metropolitan team. Whether in the shop manufacturing unique fittings from scratch, in a conference room building consensus among diverse interests, in the lab ensuring our water stays safe to drink, or in the field repairing a levee during a rainstorm, it is staff's constant, skillful, heroic work that ensures reliable and affordable supplies of high-quality water reach 19 million Southern Californians.

It has taken tremendous agility, creativity and coordination to react to the dramatic swings in weather over the past few months—the climate whiplash from extreme drought to epic rain and snowfall that is expected to become the "new abnormal." Last year at this time, we were grappling with extended scarcity on the State Water Project. This year, a 100% allocation was announced for the first time since 2006. That's three times as much water as we received in the last three years combined. Meanwhile, due to the cool and rainy winter in Southern California, water use is lower than last year, too. Demand in April was the lowest since 1983 and was just half of what it was last April.

As a result, we've had to completely re-operate our system, shifting over the course of a few short weeks from draining our reservoirs to filling them. Metropolitan staff has responded to floodwaters, emergency repairs, and water quality fluctuations. I am incredibly proud of how our team has kept the Metropolitan system running smoothly amid such changes.

Meanwhile, we are busy preparing for what's ahead: continuing strain on imported supplies, threats from emerging contaminants, and the inevitable next dry cycle. Working closely with our member agencies, staff are finding opportunities for groundwater replenishment, planning the expansion and modernization of infrastructure, embracing innovation, and identifying new ways to adapt to climate change. I am so grateful for the daily, tireless work of Metropolitan staff. Working together, we will meet today's challenges and simultaneously prepare for tomorrow's opportunities.

We are one,

Adel



"A dream does not become reality through magic; it takes sweat, determination, and hard work."

- Colin Powell, Former United States Secretary of State



Strategic Priorities Update

The General Manager's Strategic Priorities guide actions in key areas of focus, investment, and transformation for Metropolitan.

Empower the workforce and promote diversity, equity, and inclusion

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

The General Manager, in both email and his all-staff meeting, reminded work teams to begin their meetings with a "Safety Moment." Safety Moments are brief discussions, anywhere from one to five minutes, on a safety-related topic. A library of sample Safety Moments are readily available on the Intramet for staff to draw from.

The chief EEO officer presented the EEO Statistical Report to the Ethics, Organization, and Personnel Committee, and the EEO Office has closed 85 percent of the cases it inherited one year ago.

On schedule, we have fully implemented all 19 recommendations from the State Auditor. We have submitted information about this implementation status for the Auditor's assessment.

Prepare and support the workforce by expanding training and skill development and updating strategies to recruit and retain diverse talent at a time when Metropolitan's needs are evolving and employee expectations about the workplace are changing.

Organizational Development & Training Unit (OD&T) and Recruitment has deepened its collaboration with DE&I to broaden recruitment efforts and attract and retain a highly qualified and diverse candidate pool.

Sustain Metropolitan's mission with a strengthened business model

Manage rate pressure on member agencies through attention to programmatic costs, organizational efficiencies and efforts to secure external funding for projects with broad and multi-purpose benefits.

Metropolitan received \$80 million that the state directed to support design work for the Pure Water Southern California project. We received and have begun reviewing multiple responses to the Request for Statements of Interest for ideas for developing renewable energy and storage projects on Metropolitan properties. Staff reported to the Engineering, Operations and Technology Committee on the Jensen Operating Capacity Analysis. The analysis highlights CIP savings, under the phased approach, to Jensen capacity and annual savings of more than \$400,000 by reducing O&M for out-of-service facilities.

Adapt to changing climate and water resources

Provide each member agency access to an equivalent level of water supply reliability through necessary adaptive implementation of the IRP findings.

U.S. Bureau of Reclamation (USBR) this month released a draft Supplemental Environmental Impact Statement for near-term Colorado River operations. Alternatives considered in the analysis focus on water levels at Lake Powell at the apparent expense of Lake Mead and include significant supply cuts that would hurt Metropolitan and our partners across the Basin. Metropolitan is in conversation with the Basin States, the federal government, and our partners to pursue protections for the lakes and river while minimizing negative impacts. Comment deadline on the draft SEIS is May 30.

Efforts to replace turf and reduce non-functional turf advanced this month. USBR awarded Metropolitan an additional \$5 million to further increase activity in the turf replacement program. The grant will increase the residential and commercial, industrial, and institutional rebates from \$2 to \$3 per square foot. Also, staff presented to the One Water & Stewardship Committee updates about the information being developed and already available through the interactive turf dashboard.

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

Metropolitan released the first annual Climate Action Plan report, which details GHG reductions through green power purchases, energy efficiency measures, and turf replacement. We are on track to meet the Plan's carbon neutrality goal.

Engineering conducted a workshop on the PCCP Rialto Feeder Reach 1 project to consider piloting the Envision sustainability framework on this project.

(continued)

Meetings with Southern California Edison (SCE) regarding the power needs for Pure Water Southern California have identified the construction and implementation of the AWT substation as a critical facility to meet the early delivery milestone. A Method of Service (MOS) with SCE will be prepared to further define the available power, redundancy, and needed facilities. The Draft EIR remains on schedule for a first quarter 2024 publishing.

Staff received an update on the Sites Reservoir project planning schedule for the Final EIR/EIS, and information regarding principles for the storage, delivery, and sale of Sites Reservoir Project water. State and federal agencies are coordinating to determine next steps for permitting, which is critical to advance project planning.

Staff provided updates on multiple projects at the April Subcommittee on Bay-Delta: the Pilot Propagation Study for Delta Smelt and Native Species Preservation; the Delta Island Collaborative Landscape Planning Effort; and a Proposed grant opportunity for Webb Tract. The \$20 million proposal submitted for Webb Tract to the Delta Conservancy has a strong chance to be awarded grant funding, and it would be accepted only if the Board approves, based on further board discussion scheduled in May.

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

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

Seismic preparedness was a special focus at the April meeting of the Engineering, Operations, and Technology Committee. Staff presented an annual seismic readiness report, including information about our coordination with DWR and LADWP regarding seismic assessment and preparation related to aqueducts. The Board took action to initiate a detailed seismic analysis of the Lake Skinner outlet tower and seismic upgrades to the Foothill Hydroelectric Plant and Control Building.

Two dam Emergency Action Plans were approved and another two were submitted to the California Office of Emergency Services for approval.

The Business Continuity Dashboard is on schedule to be completed by the end of the fiscal year.

Staff met with a vendor to discuss the use of fiber-optic monitoring as part of a pipeline leak detection system.

The RFP for servicing the newly completed Cybersecurity Operations Center is being re-released because of issues with the first submittal. In the interim, a sole source agreement will be sought for these services.

A board update on the Climate Vulnerability and Risk Assessment is set for May. The first phase is complete, and we will incorporate identified vulnerabilities and potential impacts into the Climate Adaptation Master Plan for Water.

Apply innovation, technology, and sustainable practices across project lifecycles (design, construction, operations, maintenance, and replacement).

On SCADA, the consultant performed equipment verification and is developing control narratives and a training plan.

A green procurement policy is in draft form and is being further refined regarding roles and responsibilities. The Technical Writing Team is facilitating the workflow for the policy.

On innovation, SRI launched IdeaScale, an online platform for employees to submit ideas through focused campaigns. The first campaign was launched at the Sustainability Expo and is soliciting input on Metropolitan's sustainability strategy.

Partner with interested parties and the communities we serve

Reach underserved communities and non-traditional interested parties to better understand their needs and ensure their inclusion in decision making.

Staff organized and led a Job Tour at Intake and Gene Camp in support of tribal workforce development. About 15 Colorado River Indian Tribes (CRIT) students participated, mostly from grade 10 through 12, accompanied by CRIT office staff. They toured facilities, and Metropolitan staff discussed the variety of work they do.

A Business Outreach Update was provided to the Equity, Inclusion, and Affordability Committee, including information on outreach for the Project Labor Agreement (PLA) and Equity in Infrastructure Pledge. It also highlighted the contract dollars awarded to small business totaling more than 24 percent or \$32M for FY 2021/22.

Executive Summary

This executive summary is added to this report to provide a high-level snapshot of a key accomplishment from each area of the organization. Detailed information is reported in the pages following this summary.

Administrative Services

The Technical Writing Team successfully managed updates to Operating Policy A-02: Delegation of Command, Authority and Responsibility. Operating policies are high-level instructions established by management for conducting Metropolitan's day-to-day business activities. Staff works with Legal and Executive Management to create or revise policies to ensure clarity for Metropolitan's business practices. Currently, 23 of the 71 policies are in revision and an additional new policy is in development.

Bay-Delta Initiatives

Bay-Delta Initiatives staff received an update on the Sites Reservoir Project planning, including an update on the schedule for the Final Environmental Impact Report/Environmental Impact Statement and information of Principles for the Storage, Delivery and Sale of Sites Reservoir Project Water.

Chief Financial Officer

In April 2023, the Board approved resolutions fixing and adopting a Readiness-to-Serve Charge and a Capacity Charge for calendar year 2024.

Colorado River

On April 14, Reclamation announced the release of the Draft Supplemental Environmental Impact Statement (SEIS) for amending the 2007 Interim Colorado River Guidelines. The Draft SEIS includes two action alternatives along with a no action alternative with additional water delivery cutbacks to protect critical infrastructure on Lake Powell and Lake Mead. Comments on the Draft SEIS are due May 20, 2023. Metropolitan is working with the Basin States to develop a unified comment letter.

Diversity, Equity & Inclusion

Members of the Diversity, Equity & Inclusion Team continued to advance outreach and engagement efforts across key areas of our service territory, from attendance at the fourth Tribal Water Summit in Sacramento to attendance at the 2023 State Contracting Summit in Irvine, California, which drew over 200 small business owners and provided an opportunity for Metropolitan staff to present on our small business program.

Engineering Services

Upon the enactment of the John D. Dingell, Jr. Conservation, Management, and Recreation Act, Public Law 116-9 in March 2019, Engineering Services Group (ESG) collaborated with the United States (U.S.) Bureau of Land Management (BLM), Metropolitan's Real Property Group, and Metropolitan's Legal Counsel to develop the documentation necessary to terminate the U.S. reversionary interest in approximately 73,000 acres of Metropolitan fee properties. ESG researched, organized, and analyzed Metropolitan's historic 1932 Act land records. ESG prepared the applications, title documents, and quitclaims submitted to BLM. ESG also developed an interactive web map to track the status of project and share documents with BLM. Metropolitan has submitted 50 applications to BLM, as of April 2023. Eight quitclaims have been received from BLM and recorded in the Official County Records. Metropolitan expects to receive executed quitclaims for 42 more applications by July 2023. There will be 100 applications and quitclaims total to complete the project. The project is on schedule to be completed by the end of 2025.

External Affairs

GM Hagekhalil appeared on NBC 4 Conan Nolan's "News Conference" public affairs show to talk about improved State Water Project conditions, the Colorado River, and initiatives to address climate change. (April 23)

Executive Summary

Human Resources

The Organizational Development & Training Unit (OD&T) facilitated a training session at Diamond Valley Lake for the Apprenticeship Program. Topics included Learning Styles, Test Taking Strategies, Communications Skills, and Stress Management. A team training was also provided for Engineering's Design Section focusing on Building Trust, Communication Skills, and Employee Engagement.

Information Technology

As part of annual testing of the Fire Life Safety System at the Metropolitan headquarters building, IT successfully completed the Union Station Data Center power shutdown exercise between Friday, April 21, 2023, at 6:00 p.m. through Sunday, April 23, 2023, at 6:00 a.m. This exercise confirmed that Metropolitan has created true resiliency, seeing all the business-critical applications running normally from our remote data centers during the shutdown.

Real Property

The Diamond Valley Lake Marina drew a record number of visitors to the Wildflower Trail this month. Over 40,000 people have visited the trail thus far to enjoy the wildflowers in bloom. Several thousand more visitors are expected through the remaining weeks of spring.

Security Management

Metropolitan Security Specialists collaborated with multiple public safety agencies over the Easter weekend to conduct a surprise enforcement sweep of Metropolitan's Eagle Valley fee property situated west of Lake Mathews. Warnings and citations were issued for a variety of charges.

Sustainability, Resilience and Innovation

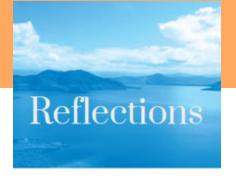
SRI released its inaugural Climate Action Plan report, detailing its progress over the past year on a suite of measures designed to help the district achieve carbon neutrality by 2045, and it hosted its first Sustainability Expo for Metropolitan staff at Headquarters. It was a day for learning, sharing, and connecting and showcased Metropolitan and its sustainability and innovation champions. SRI also coordinated a Planning Team for the Climate Adaptation Master Plan for Water (CAMP4W) from WRM, ESG, WSO, CFO, DEI, BDI, and SRI and presented at the Member Agency Monthly Meeting (MAMM) and Long-term Regional Planning Processes and Business Modeling (LRPPBM) meeting on this topic.

Water Resource Management

In April, DWR increased the Table A allocation to their contractors to 100 percent. With this final allocation increase, Metropolitan can now receive more than 2 million AF through the SWP system. Since December, WRM staff needed to pivot from a drought emergency to a large surplus condition. Staff are now focused on storing as much of this bountiful water as possible.

Water System Operations

This month, WSO's Apprenticeship Program welcomed a new class of apprentices with six electricians and five mechanics. This recruitment was open only to internal applicants to provide existing employees a career development opportunity. Apprentices began their work and training by attending a first day orientation and a study skills class. The first day was designed to prepare apprentices for success throughout their academic and on-the-job training on the path to becoming journey-level technicians. The new class is scheduled to graduate in 2027.







"Being able to work together to quickly pivot from delivery to storage was a testament on how well the teams worked together as one."

Nadia Hardjadinata, Resource Specialist
Supply Acquisition Team

PROGRAM DESCRIPTION

The Semitropic Groundwater Banking Program improves water supply reliability for Metropolitan by increasing dry-year storage capacity and operational flexibility.

Approved in 1994, the agreement with Semitropic Water Storage District allows Metropolitan to manage its State Water Project supplies using Semitropic's water bank in Kern County. In wet years, Metropolitan can store SWP supplies underground in the Program. When supplies are needed, Metropolitan can recover this stored water through delivery to the California Aqueduct. Metropolitan's initial investment of \$49M helped construct the bank, and additional investments have paid for treatment upgrades and 6,700 acre-feet per year (AFY) of additional yield. In total, Metropolitan can store up to 31,675 AFY and recover 44,700 AFY to 61,450 AFY, depending on the SWP allocation.

IMPORTANCE TO METROPOLITAN

The Program is beneficial both in times of drought and surplus. In 2022, Metropolitan recovered 59,335 AF of banked water to boost supplies during the drought emergency. This year, the 100-percent SWP allocation and additional surplus supplies present Metropolitan with storage challenges. Fortunately, Semitropic has operational capacity to move some of Metropolitan's SWP supplies to the bank. So far in 2023, 361 AF have been delivered for storage in the Program. This not only provides resiliency for shortages in the future, but it allows Metropolitan to capture some of the surplus supplies currently available.

MEMORABLE MOMENT

As DWR increased the State Water Project allocation in 2023, WSO and WRM staff had to quickly coordinate the change from a recovery to a storage mode. Staff identified banking programs that could accept Metropolitan supplies, even though the banking partners might be facing supply challenges themselves. Fortunately, early coordination with Semitropic resulted in an ability for Metropolitan to store supplies in the Program this year. Moving forward, staff hopes to continue banking as much water as possible into all of the district's storage and banking programs.

Water Resource Management

Ensure Reliable State Water Project (SWP)



Staff continues to submit weekly requests for Article 21 supply to the Department of Water Resources (DWR). Article 21 is interruptible supply in addition to State Project Water Table A allocation, and its availability is tied to storage levels in San Luis Reservoir. In March and April combined, Metropolitan received a total of approximately 148 thousand acre-feet of Article 21 supply. Metropolitan used the Article 21 supply to replenish the depleted SWP surface storage, including Metropolitan's Diamond Valley Lake, to help ensure future reliability.

Ensure Access to Sufficient Water Supplies to Operate a Full Colorado River Aqueduct in Times of Drought

Staff attended a meeting of the Colorado River Basin Salinity Control Forum (Forum) Technical Work Group in Glenwood Springs, Colorado. Topics discussed included (1) proposed language for the 2023 federal Farm Bill to reduce the state cost-share requirement from 30 percent to roughly 15 percent for salinity control funding from the Natural Resources Conservation Service (NRCS), which would reduce the existing Salinity Control Program (Program) funding deficit; (2) a report that ongoing operation of the Paradox Valley Unit at 2/3-capacity has yielded no unusual seismic or well pressure results; (3) progress toward the 2023 "Triennial Review," in which the Forum communicates to the U.S. Environmental Protection Agency an assessment of the sufficiency of existing water quality criteria for salinity on the Lower Colorado River; and (4) updates from key federal agencies involved in the Program, including USBR, NRCS, the Bureau of Land Management, and the U.S. Geological Survey.

Manage Existing and Develop New Regional Water Management Programs to Maintain Water Supply Reliability in the Face of Increasing Water Supply Volatility

Pursuant to the Board's April 2019 authorization, Metropolitan's General Manager implemented the Cyclic Cost-Offset Program, effective April 15, 2023, to help member agencies offset the additional costs incurred from capturing increased volumes of water into their cyclic accounts. Maximizing the amount of water stored along with continued water-use efficiency from the region will help prepare the region against future dry years and the uncertainties on our imported water supply.

Implement Regional Conservation Program

Metropolitan's conservation outreach activities effort this month included hosting a Water Efficient Landscaper Dual Certification Program class in Mission Viejo for 45 landscape professionals. The class series was co-hosted by Moulton Niguel Water District. In addition, staff also coordinated a Program Advisory Committee (PAC) Meeting with member and retail agency staff. The discussion focused on a potential new Tree Requirement for the existing Turf Replacement Program that may be available later in the year. Finally, staff attended The Southern California Facilities Expo held at the Anaheim Convention Center. The Expo attracts a diverse audience of facilities managers, maintenance managers, and energy managers from a wide variety of industries with a focus on sustainability. Staff

(continued)

gave a presentation on the current water supply conditions and potential regulations around outdoor water use in California. Staff also presented Metropolitan's incentive programs available to Commercial, Industrial, and Institutional (CII) customers and facilities.

Collaborate with Member Agencies, Water Agencies and Associations, and Provide Leadership for Policy Development, Advocacy, Outreach and Education

Department of Water Resources continues to develop the California Water Plan Update 2023. On March 29, 2023, DWR held a virtual public workshop to provide an in-depth overview of the content of the draft plan update. The draft content centers on three central themes: climate change, watershed resilience, and water equity. Staff submitted comments to encourage state leadership in developing recommendations and implementable actions that will improve inter-watershed infrastructure, promote appropriate implementation of water use efficiency and demand reduction, expand collaboration with local entities, and develop appropriate metrics for measuring achievements in advancing the three themes. An Administrative Draft is scheduled to be completed in July 2023, and the Public Review Draft is anticipated to be released in October 2023.

Staff participated as a member of the Western Drought Task Force at its quarterly meeting on April 13, 2023. Staff presented on Southern California's regional water supply conditions and outlook, which had improved dramatically since the emergency conditions presented at the Task Force's last meeting in December 2022.

Implement Future Supply Actions Funding Program

Staff participated in a Water Resource Foundation (WRF) webinar on April 20th. The webinar covered two reuse studies Metropolitan co-funded with WRF in collaboration with the SWRCB. Over 350 water resource stakeholders from across the country joined the webinar. The Future Supply Action Program final reports and webinar recordings can be accessed here: https://www.mwdh2o.com/funding-opportunities#future-supply.

Promote Metropolitan's technical capabilities and innovation efforts to advance the understanding of water resources management

Staff hosted a meeting with Las Virgenes MWD (Las Virgenes) and Natural Ocean Wells (NOW). Las Virgenes is partnering with NOW to explore an alternative approach to seawater desalination with potential sustainability benefits. The innovative approach locates the desalination equipment, including the intakes and outfalls, offshore in submerged buoys. Through CalDesal, staff also met with several companies with similar technologies including Waterise, FSubsea, Sea Wells, Oneka, and others. Staff is researching the potential for offshore desalination as a potential solution to some of the barriers to traditional seawater desalination projects.

Staff met with LADWP and peer utilities from Australia to discuss preparation for the Olympics and other large events. WaterStart, one of Metropolitan's P2P innovation consultants, coordinated the meeting. The peer agencies shared their experience with water quality testing of both water supplies and water bodies where Olympic events are located. Future meetings will include water utilities from France and cover cyber security, sustainability, and additional water quality topics.

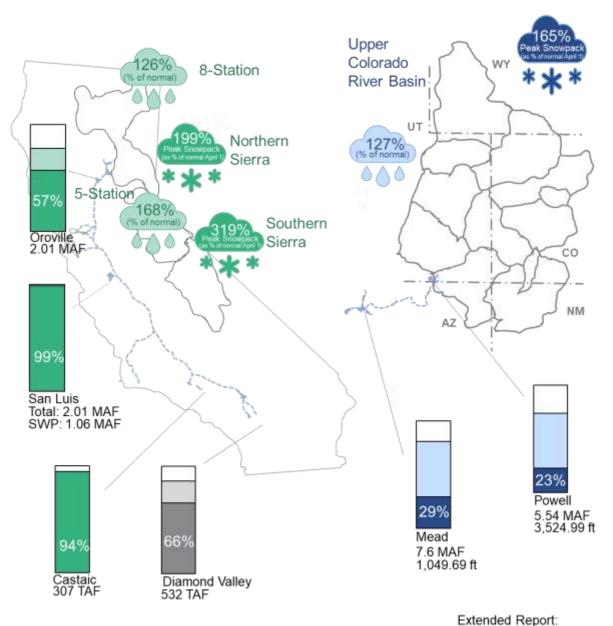
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State Water Project Resources

SWP Table A - 100% - 1,911,500 AF

Colorado River Resources

Projected CRA Diversions - 991,000 AF



https://www.mwdh2o.com/WSCR

As of April 30, 2023

(continued)

Bay-Delta Initiatives

Project Highlights

Delta Conveyance Project Planning Activities

The California Department of Water Resources (DWR) is continuing efforts to organize and develop responses to the comments received on the Delta Conveyance Project (DCP) draft Environmental Impact Report (EIR), as required under the California Environmental Quality Act CEQA. DWR received more than 700 unique comment letters with over 6,000 individual comments. The Final EIR is expected at the end of 2023, which will include responses to all substantive comments on the Draft EIR and, where appropriate, edits to the Draft EIR responsive to comments received.

The U.S. Army Corps of Engineers (USACE) draft Environmental Impact Statement (EIS) comment period closed on March 16, 2023. The DCP draft EIS is required under National Environmental Protection Act. The USACE is also starting the initial organization of the comments received on the DCP draft EIS.

DWR's field activities under the Initial Study/Mitigated Negative Declaration for Soil Investigations in the Delta are planned to resume in early May 2023. These activities include data collection, soil samples, and surveys to better understand the region's geology to support the evaluation of potential activities, including the proposed DCP. DWR will update its public information website to provide information on the soil investigations to interested members of the public (https://water.ca.gov/Programs/State-Water-Project/Delta-Conveyance/Environmental-Planning).

Delta Conveyance related Joint Powers Authorities

The Delta Conveyance Design and Construction Authority (DCA) Board of Directors took no public action at its April 20 regularly scheduled board meeting. It did, however, request a moment of silence in memoriam for Piraborooban "Praba" Shanmugam, DWR's Delta Conveyance Office principal engineer who served with distinction until his recent passing. The DCA Board also received the Monthly Board Report information item and the Treasurer's Monthly Report for February and March 2023. The April 20 regularly scheduled Delta Conveyance Finance Authority meeting was cancelled.

Sites Reservoir

At the Sites Reservoir Authority Joint Authority Board and Reservoir Committee meeting on April 21, an update on the Final EIR/EIS schedule was presented. It is anticipated that certification of the Final EIR will be an action item for consideration at the July or August Authority Board Meeting. At that time, the Authority Board will also need to adopt CEQA findings and a Statement of Overriding Considerations and a Mitigation Monitoring and Reporting Program. Following these actions, the Authority Board will consider approval or denial of the Sites Reservoir Project.

Sites Reservoir Authority staff also presented information on the Principles for the Storage, Delivery and Sale of Sites Reservoir Project Water (Storage Principles). The Storage Principles describe a framework for procedures related to Sites Reservoir Project water that includes system losses, available storage, and allocation. The available storage in Sites Reservoir is calculated to be 1.41 million acre-feet, which includes recent refinements and a 60 thousand acrefeet dead pool that is unavailable stored water.

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Regulatory Activities

In April, staff presented an update on the Voluntary Agreements to Metropolitan's One Water and Stewardship Committee. The presentation included information on the schedule and the Draft Scientific Basis Report Supplement in Support of Proposed Voluntary Agreements for the Sacramento River, Delta, and Tributaries Update to the Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary (Bay-Delta Plan). The State Water Resources Control Board (SWRCB) will continue its public and peer review process for the Draft Scientific Basis Report Supplement through early 2024, and SWRCB consideration for adoption of a Bay-Delta Plan update and implementation plan is tentatively scheduled for the end of 2024.

Science Activities

Staff continued participating in collaborative science activities addressing native fish species in the Delta, their habitats, and the effects of stressors. In April, staff worked with university researchers to conduct field sampling work for an assessment of contaminant occurrence in the Sacramento Deep Water Ship Channel. Delta smelt use the ship channel as habitat, and the study will inform contaminant risk in the ship channel.

Staff is also continuing to work on Phase 3 of the Reorienting to Salmonid Recovery project. In this phase, participants will develop an agreed-upon suite of priority actions for salmonid recovery. In late March, staff facilitated the first structured decision-making workshop for the Reorienting to Salmonid Recovery project. The workshop participants included state and federal resource agencies, public water agencies, non-governmental organizations, commercial and recreational fishing interests, and tribes. At the workshop the participants discussed potential management options and recovery scenarios to benefit salmon and provided input on bookend scenarios to evaluate.

Delta Island Activities

Staff prepared and submitted a \$19.7 million grant application to the Delta Conservancy's Nature Based Solutions: Wetland Restoration Grant Program. If awarded, the grant will fund development of a multi-benefit mosaic of wetlands, rice, and other habitat projects on Webb tract that are designed to stop and/or reverse subsidence, generate carbon credits from carbon sequestration opportunities, and create habitat. Staff provided an oral presentation on the proposed project to the April 25 Metropolitan Subcommittee on Bay-Delta. Staff is also developing outreach materials and met with Contra Costa County representatives and CDFW representatives to discuss the project. Contra Costa County's Board of Supervisors will consider a resolution of support for the project at its May meeting.

Ecosystem Restoration

Staff attended the Delta Plan Interagency Implementation Committee Restoration Subcommittee meeting where the California Department of Fish and Wildlife (CDFW) gave a presentation on the Cutting the Green Tape Initiative designed to increase the pace and scale of environmental restoration projects and discussed the potential implications for Delta projects. Staff also attended a Southern Yolo Bypass tour with representatives from Yolo County that included a visit to the Lookout Slough Project, which is a multi-benefit project to restore 3,400 acres of tidal wetland.

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Colorado River

Reclamation Releases Draft Supplemental Environmental Impact Statement for amending the 2007 Interim Colorado River Guidelines

In late 2022, the Bureau of Reclamation (Reclamation) begin a process to modify the 2007 Interim Colorado River Guidelines (2007 Guidelines) by developing a Supplemental Environmental Impact Statement (SEIS). Reclamation stated that it needed to be able to implement additional actions to protect critical infrastructure at Hoover Dam and Glen Cany Dam if critically dry conditions continued. The SEIS was to consider additional Lower Basin shortages and modified Lake Powell operations and allowed a seven-state consensus alternative to be included in the analysis. The seven states worked to meet the deadline but were unable to reach a seven-state consensus and instead submitted two proposals for the SEIS.

On April 14, the Draft SEIS was released for public comment. The document did not include either of the proposals submitted by the Basin States, but instead included a no action alternative and two action alternatives, which include significantly higher cutbacks to Lower Basin water users than the existing 2007 Guidelines contained. The two action alternatives had the same level of additional water delivery cuts but applied them differently. The first alternative followed the strict priority system, while the second alternative ignored the priority system altogether and instead applied even cuts to each water contractor. In general, Metropolitan fared better in Alternative 1, since California has a higher priority than other states and experienced cuts after other states were cut back. But given the level of cuts, Metropolitan would be at risk under either of the two scenarios.

Comments on the Draft SEIS are due May 20, 2023. Metropolitan is working with the other Colorado River Basin States to see whether a consensus approach can be developed with our Basin State partners. Metropolitan staff are meeting regularly with our partners on the Colorado River to attempt to craft a solution that works across state lines. The significantly improved hydrology reduces the likelihood of additional curtailments in the near-term, which may help in reaching a consensus response to the Draft SEIS. Staff will provide an overview of the Draft SEIS at the May Metropolitan One Water Committee.

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Engineering

Core Business Function – Execute Capital Investment Plan projects

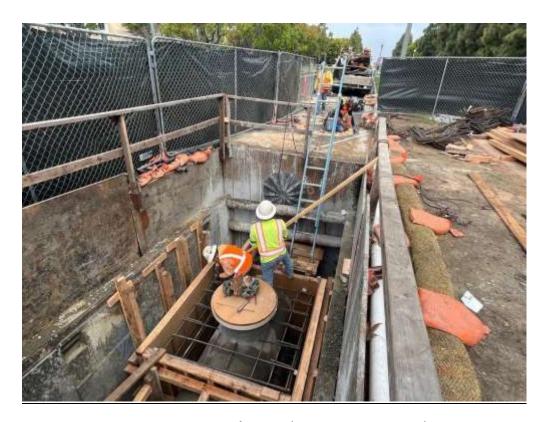
Engineering Services manages and executes projects within the Capital Investment Plan (CIP) to maintain infrastructure resiliency, ensure regulatory compliance, enhance sustainability, and provide flexibility in system operations to address uncertain water supply conditions.

Distribution System Reliability Program

This program maintains reliable water deliveries through specific rehabilitation and upgrade projects on Metropolitan's pipelines, reservoirs, and control structures. Recent activities include the following:

- Orange County Feeder Lining Repairs—This project replaces the deteriorated internal lining along an 11-mile portion of the Orange County Feeder within the cities of Santa Ana, Costa Mesa, and Newport Beach. Rehabilitation is proceeding in three stages. Construction of Stages 1 and 2 are complete. Metropolitan's Board awarded a construction contract for the final stage in April 2022. For the third stage, the contractor is continuing to remove existing coal tar lining and apply mortar lining; mortar ling has been applied to more than half the reach. Construction is approximately 40 percent complete and is anticipated to be complete by September 2023.
- Lake Mathews Wastewater Replacement—This project consists of replacing the existing septic tank system with a wastewater collection system at Lake Mathews. The new wastewater system connects to a nearby off-site Western Municipal Water District main wastewater line. Metropolitan's Board awarded a construction contract for the final stage in October 2021. The contractor continues to install the sewer line and manholes. Construction is approximately 88 percent complete and is scheduled to be complete in June 2023.
- La Verne Shops Building Completion—Stage 4—This project will complete the La Verne Shops building improvements and install Metropolitan-furnished shop equipment. Metropolitan's Board awarded a construction contract in May 2022. Construction is approximately 20 percent complete and is expected to be completed in August 2024.
- Live Oak Reservoir Pipelines Cathodic Protection—This project installs a cathodic protection system to prevent corrosion of the pipelines at Live Oak Reservoir. All work was recently completed.

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Orange County Feeder—Outlet Structure Formwork

Prestressed Concrete Cylinder Pipe (PCCP) Reliability Program

This program was established to enhance the reliability of Metropolitan's water distribution system and to reduce the risk of costly emergency repairs of PCCP. The priority pipelines included in the program are the Second Lower Feeder, Sepulveda Feeder, Calabasas Feeder, Rialto Pipeline, and the Allen-McColloch Pipeline. A total of 100 miles of PCCP pipelines will eventually be relined with new steel pipe liners under this 20-year program. Recent activities include the following:

- Second Lower Feeder PCCP Rehabilitation Reach 3A—This project enhances distribution system reliability by rehabilitating 6,500 feet PCCP portions of the Second Lower Feeder within the city of Rolling Hills Estates. Metropolitan's Board awarded a construction contract for the final stage in May 2022. The contractor has completed all the steel liner pipe installation, grouting, cement mortar lining, and continues with valve relocation and installation of the closure pieces. Construction is 82 percent complete and is scheduled to be complete in June 2023.
- Second Lower Feeder PCCP Rehabilitation Reach 3B—This project enhances distribution system reliability by installing steel lining along a 3.7-mile-long portion of the Second Lower Feeder that traverses the cities of Lomita, Los Angeles, and Torrance. A contract was awarded by Metropolitan's Board on January 10, 2023. The contractor is currently preparing contract submittals for review and obtaining permits. This will be followed by utility potholing work in May or June 2023. Major

(continued)

construction activities will commence in July 2023 with site preparation for the Palos Verdes Reservoir temporary bypass line, followed by site preparation for pipe relining access shafts in November 2023. Construction is 5 percent complete and is scheduled to be complete in December 2025.

- Second Lower Feeder Valve Procurement—This procurement contract provides 13 conical plug valves for the Second Lower Feeder PCCP rehabilitation. Metropolitan's Board awarded a procurement contract for the valves in December 2018. Seven valves have been delivered as of March 23, 2023. Three more valves are scheduled to be delivered in summer 2023. Fabrication of the last three valves will be completed in early 2024.
- Sepulveda Feeder PCCP Rehabilitation Reach 1—This project enhances distribution system reliability by rehabilitating PCCP segments of the Sepulveda Feeder. Reach 1 spans 4.7 miles through several cities including the cities of Hawthorne, Inglewood, and Los Angeles. Final design is approximately 73 percent complete and is scheduled to be complete in August 2023.
- Rialto Pipeline Reach 1—This project will rehabilitate approximately 4.5 miles of Rialto Pipeline PCCP from Indian Hills Sectionalizing Valve to San Dimas Hydroelectric Plant. The project is currently in preliminary design, and all pipe access sites for relining of this reach have been identified. Preliminary design is approximately 55 percent complete and is scheduled to be completed by mid-2024.



Second Lower Feeder PCCP Rehabilitation Reach 3A
Installing trench shoring during excavation for air release and vacuum valve relocation

Colorado River Aqueduct (CRA) Reliability Program

This program maintains the reliability of Metropolitan's CRA conveyance system. Recent activities include the following:

(continued)

- **CRA Main Transformer Replacement**—This project replaces the 35 230 kV and 69 kV step-down transformers that are used to run the main pumps at all five of Metropolitan's Colorado River Aqueduct pumping plants. Preliminary design is 90 percent complete and is scheduled to be completed by May 2023. The new transformers will be procured by Metropolitan. A procurement contract is scheduled to be awarded in August 2023.
- CRA Storage Buildings at Hinds, Eagle Mountain, and Iron Mountain—This project furnishes and installs storage buildings at the three sites and constructs associated site improvements at the Hinds, Eagle Mountain, and Iron Mountain Pumping Plants. A workshop was held to optimize the design and reduce contract costs. The project is currently being advertised, and board award of a construction contract is scheduled for June 2023.
- **Conduit Structural Protection**—This project consists of installing new reinforced concrete slab protection crossings over portions of the cut-and-cover conduits on the Colorado River Aqueduct. Metropolitan's Board awarded a construction contract in April 2023.

System Flexibility/Supply Reliability

Projects under this program will enhance the flexibility and/or increase the capacity of Metropolitan's water supply and delivery infrastructure to meet current and projected service demands. Projects under this program address climate change affecting water supply, regional drought, and alternative water sources for areas dependent on State Project Water.

The following projects are part of a series of projects that are being undertaken to improve supply reliability for State Water Project dependent member agencies.

- Inland Feeder—Foothill Pump Station Intertie—This project will connect San Bernardino Valley Municipal Water District's (SBVMWD) Foothill Pump Station with the Inland Feeder to provide the needed hydraulic lift to deliver water from DVL to Rialto service area. A procurement contract for isolation valves will be awarded in May 2023. A separate procurement contract for a sectionalizing valve is scheduled to advertise in summer 2023. Final design is 98 percent complete and is scheduled to be complete in May 2023. Environmental permitting and right of way acquisition is also ongoing. A Joint Use Agreement for the pump station is being drafted between Metropolitan and SBVMWD.
- Badlands Surge Protection Facilities—This project will protect the Inland Feeder from excessive negative pressures that could develop from an unexpected shut down of the pumps at Wadsworth Pumping Plant. Final design is 98 percent complete and is scheduled to be complete in May 2023.
- Sepulveda Feeder Pumping Stations—This project will install new pump stations at the existing Venice and Sepulveda Canyon Pressure Control Facilities, providing the ability to reverse flow in the Sepulveda Feeder and deliver water from the Central Pool to portions of the Jensen plant exclusive area. This project will use progressive design-build (PDB) for delivery. Preparation of the Request for Qualifications (RFQ), including a Conceptual Design Report, is complete and the solicitation was issued in March 2023. Statements of Qualification are due in May 2023. Board award of the Phase 1 agreement for preconstruction services under the PDB contract is scheduled for August 2023.

Treatment Plant Reliability Program

This program was initiated to maintain reliability and improve the operating efficiency of Metropolitan's water treatment plants through specific improvement projects. Recent activities include the following:

(continued)

- Weymouth Basins 5–8 and Filter Building No. 2 Rehabilitation—This project rehabilitates major mechanical and structural components including the flocculation/sedimentation equipment, sludge pumps, baffle boards and walls, launders, inlet gates, and outlet drop gates at the Weymouth plant. Other improvements included in this contract are seismic upgrades of basin walls and inlet channel, hazardous material abatement, and replacement of filter valves and actuators in Filter Building No. 2. Metropolitan's Board awarded a construction contract for the final stage in May 2022. The contractor began demolition of filter valves and piping in Filter Building No. 2 and continued other work under the first quarter-plant outage, including removal of mechanical equipment from the flocculation and sedimentation basins, and hazardous waste abatement. Construction is 25 percent complete and is scheduled to be complete by May 2025.
- Mills Ozonation System PLC Upgrade—This project replaces the outdated generator control system at the
 Mills plant with new programmable logic controller equipment along with upgraded software. Installation of
 the new software was completed in March 2023 and testing is underway. The ozone system is scheduled to
 be fully returned to service in May 2023.
- Mills Electrical Upgrades, Stage 2—This project upgrades the electrical system with dual-power feeds to key process equipment to comply with current codes and industry practices; improve plant reliability; and enhance worker safety. Stage 1 construction is complete. Stage 2 improvements will add a second incoming 12 kV service from Riverside Public Utilities, reconfigure the existing 4160-volt switchgear, and replace the standby generator switchgear and the emergency generator programmable logic controller. Metropolitan's Board awarded a construction contract for the final stage in November 2021. The contractor continued the Riverside Public Utility switchyard installation work and is preparing for demolition of the west wall at the ORP switchgear building. Construction is 23 percent complete and is scheduled to be complete by December 2024.
- Jensen Ozone PSUs Replacement—This project rehabilitates the ozone generation system at the Jensen plant by replacing four existing ozone power supply units (PSUs) and four sets of generator dielectrics. The project also makes required modifications to the associated electrical, control, and cooling water systems. Metropolitan's Board awarded a construction contract in June 2022. All PSUs and dielectrics have been manufactured and delivered. Installation of two PSUs is complete, and dielectrics for two ozone generators have been replaced. The contractor is preparing for start-up testing of the two newly installed PSUs and is proceeding with modifications to the cooling water system. Construction is 40 percent complete and is scheduled to be complete by December 2023.



Weymouth Basins 5–8 and Filter Building No. 2 Rehabilitation Removal of original clarifier equipment from Basin 7

(continued)



Weymouth Basins 5–8 and Filter Building No. 2 Rehabilitation Removal of original gates from Basin 7

System Reliability Program

The System Reliability Program consists of projects to improve or modify facilities located throughout Metropolitan's service area using new processes and/or technologies and improve facility safety and overall reliability. Recent activities include the following:

- Headquarters Physical Security Upgrades—This project implements comprehensive security upgrades for the Metropolitan Headquarters Building. These upgrades are consistent with federally recommended best practices for government buildings. This work has been prioritized and staged to minimize rework and impacts on day-to-day operations within the building. Stage 1 work is complete and provides enhanced security related to perimeter windows and doors. Stage 2 work is complete and provides security system upgrades inside the building with a focus on the main entry rotunda area, boardroom, executive dining lounge, and security control room. Stage 3 improvements will provide security system upgrades around the perimeter of the building. Metropolitan's Board awarded a construction contract in December 2022. The contractor began demolition of the sidewalk around the building and is preparing for installation of the safety bollards. Construction is 10 percent complete and is scheduled to be complete by January 2024.
- Headquarters Building Fire Alarm and Smoke Control System Upgrades—This project upgrades the Metropolitan Headquarters Building fire life safety systems, which includes replacement of the fire detection and alarm system and HVAC system improvements for smoke control. The fire alarm and smoke control systems in the Metropolitan Headquarters Building provide detection, notification, and control of building functions so that occupants and visitors can safely exit in the event of a fire. Metropolitan's Board awarded a construction contract in August 2020. The contractor is continuing work on the smoke control upgrades. Construction is 85 percent complete and is scheduled to be complete by September 2023.
- SCADA System Upgrades—This project will upgrade Metropolitan's entire control system in incremental stages, spanning the Colorado River Aqueduct, the five water treatment plants, and the conveyance and distribution system. The first stage of this project replaces the control system at the Mills plant, starting with a pilot effort on one of the plant's remote terminal units. The pilot effort will demonstrate the proposed technology and the consultant's approach for the plant and the overall project. The consultant continued providing submittals, performing equipment verification, and developing control narratives and a training

Water Resources and Engineering

(continued)

plan. The Pilot phase is 21 percent complete and is scheduled to be complete by September 2023. The system upgrades at the Mills plant are scheduled to be complete by April 2026.



Headquarters Building Fire Alarm and Smoke Control System Upgrades
Commissioning smoke and fire detectors

Protecting the Public and Metropolitan's Assets

Engineering Services continued to develop Emergency Action Plans (EAPs) for Metropolitan's state-regulated dams to help ensure long-term public safety. In April, EAPs for the Copper Basin and Gene Wash Dams were completed and are currently under review by the local emergency management agencies.

21

Water System Operations

Core Business Objectives

Prepare Employees for New Opportunities

The Water System Operations Apprentice and Technical Training Programs develop and train personnel to become qualified mechanics and electricians responsible for maintaining Metropolitan's water treatment and distribution systems. This month, the Program welcomed a new class of apprentices with six electricians and five mechanics. This recruitment was open to internal applicants only and provided existing employees with a career development opportunity. Apprentices began work by attending first day orientation and a study skills class. Orientation included staff introductions, an overview of the Apprenticeship Program, and review of roles, responsibilities, policies, and procedures. The study skills class provided apprentices with insight into learning styles, time management techniques, and strategies for coping with stress and test anxiety. The first day was designed to prepare apprentices for success throughout their academic and on-the-job training on the path to becoming journey-level technicians. The new class is scheduled to graduate in 2027.





Class of 2027 Apprentices



Class of 2027 Apprentices participating Study Skills training

Manage Vacancies

WSO filled six vacant positions in March 2023.

Provide Reliable Water Deliveries

Metropolitan member agency water deliveries were 68,000 acre-feet (AF) for April with an average of 2,300 AF per day, which was 300 AF per day higher than March. Treated water deliveries increased by 5,600 AF from March for a total of 42,600 AF, or 63 percent of total deliveries for the month. The Colorado River Aqueduct (CRA) pumped a total of 47,000 AF in April. State Water Project (SWP) imports averaged 3,100 AF per day, totaling about 93,400 AF for the month. The target SWP blend is 100 percent for Weymouth and Diemer plants and as high as possible for the Skinner plant. System limitations and storage priorities allowed the blend leaving Lake Skinner to increase to about 10 percent by the end of the month.

Manage Water Reserves

The State Water Project (SWP) allocation increased to 100 percent and when combined with Colorado River supplies provides the region with a water surplus. Water continues to be managed according to Water Surplus and Drought Management (WSDM) principles and operational objectives with an emphasis to position State Water Project supplies to meet a future demand in the State Water Project-dependent area. Metropolitan has installed two gates along the Colorado River Aqueduct that allow for higher flows to Desert Water Agency and Coachella Valley Water District to meet Metropolitan's exchange obligation. Metropolitan has been managing Table A and Article 21 supplies with deliveries to meet demands, Diamond Valley Lake storage, flex storage, and payback of the 2022 Human Health and Safety supplies. Staff facilitated a workshop with member agencies to discuss groundwater and reservoir storage. The General Manager initiated the Cyclic Cost Offset Program that provides a credit to member agencies to offset costs to store supplies. This program is implemented under high State Water Project allocations, when Metropolitan may not be able to manage all of its Table A supplies.

Support Imported Supply Reliability

Metropolitan discharges water to Coachella Valley Water District (CVWD) at Whitewater River. CVWD then percolates the water into the groundwater aquifer to supply the Coachella Valley area. On April 10, a blocker gate was installed in the outlet transition of the Whitewater Siphon. This gate stops water flow completely on the first barrel, forcing all water flow into the second barrel, where the turnouts to the river are located. The larger weir gate was installed during the week of April 17, to back up water in the transition structure, further increasing flow capability to the river to 710 cubic feet per second. This work allows maximum storage in the Desert Water and Coachella Valley Advanced Delivery storage account in 2023 to support imported supply reliability in a future drought year.



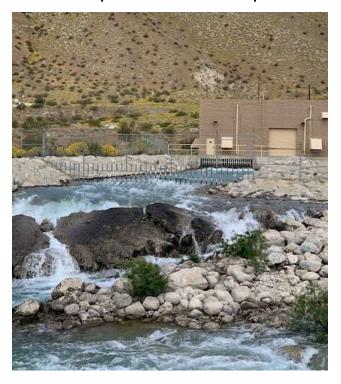
Blocker gate installed stopping water flow in first barrel of Whitewater Siphon



Transition weir gate being placed into position at Whitewater Siphon



Transition weir gate installed to back up water at Whitewater Siphon and increase storage deliveries



CRA water being discharged to Whitewater River

Support the Pure Water Southern California Program

Following feedback from the Independent Science Advisory Panel and regulators during Workshop No. 6 in March, staff continued secondary membrane bioreactor (sMBR) operations and testing at the Pure Water Southern California demonstration plant with intentionally compromised membranes. Microbial samples and reverse osmosis concentrate samples were collected for analysis during April. Staff also prepared for spiking studies on the ultraviolet light/advanced oxidation process (UV/AOP) using free chlorine or hydrogen peroxide as an oxidant. Staff also

continued developing in-house analytical methods for key constituents, including nitrosamines, 1,4-dioxane, and formaldehyde.

On April 25–26, staff completed source testing pursuant to the demonstration plant air permit under the South Coast Air Quality Management District (SCAQMD). Staff also worked with the Los Angeles County Sanitation Districts to evaluate nitrous oxide and volatile organic compound emissions from the MBR process with the bioreactors enclosed. These results will inform future design of the full-scale facility process air handling systems to comply with anticipated permit requirements.



Staff removing a membrane cassette (left) and cutting membrane fibers (right) for compromised membrane testing at the demonstration plant



Staff collecting samples to develop in-house analytical methods for UV/AOP treatment studies at the demonstration plant





Installation of an enclosure over bioreactors to support SCAQMD air permit source testing at the demonstration plant

Manage Power Resources and Energy Use in a Sustainable Manner

Energy markets in April 2023 continued to exhibit reduced price volatility, and electricity prices in the California ISO market were generally within seasonal norms. CRA energy costs for April 2023 were about \$2.5 million; the total energy cost to operate the CRA for fiscal year 2022-23 is forecast to be around \$138 million.

Because of system operating conditions focused on low demands and refilling water storage, generation output from Metropolitan's hydroelectric plants was negligible. Hydroelectric plant output is forecast to trend upwards later in 2023 as demands increase and Metropolitan begins to receive deliveries from the 100 percent SWP allocation. Metropolitan's solar facilities, totaling 5.4 megawatts of capacity, generated approximately 600 megawatt-hours in April 2023.

Ensure Water Quality Compliance, Worker Safety, and Environmental Protection

Metropolitan complied with all water quality regulations and primary drinking water standards during March 2023.

On April 19, the Water Quality Section hosted a workshop on Metropolitan's cross-connection control program. Participants included staff who are responsible for testing backflow prevention devices at the water treatment plants. Topics covered included certification and gauge calibration requirements, cross-connection control regulatory updates, reporting of backflow test results, backflow prevention assembly replacements, and temporary connections. Regular workshops and coordination promote collaboration between testers at different locations to ensure a consistent and effective cross-connection prevention program.



Participants in Cross-Connection Control Program workshop

Staff across multiple crafts collaborated to renovate the maintenance break room at the Skinner plant. The work included installation of a sink, new flooring, upgraded electrical, microwaves, IT connectivity, and cubicle desks. Before this renovation, staff desks and the lunch area occupied the same space as the machine shop. The lunch area is now separate from the workspace, including separate HVAC/ventilation systems.



Newly renovated maintenance break area at the Skinner plant

This month staff resumed the shoe mobile facility site visits at Metropolitan facilities. These site visits support Metropolitan's Foot Protection Program to efficiently provide employees with the appropriate steel-toe safety shoes. Employees have the option to obtain safety shoes from the shoe mobile, on-line, or going to a store location.



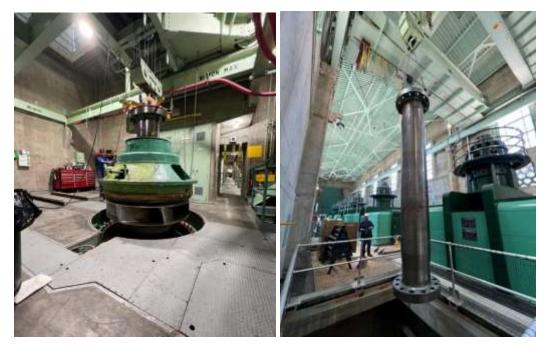
Shoe Mobile at the Weymouth plant



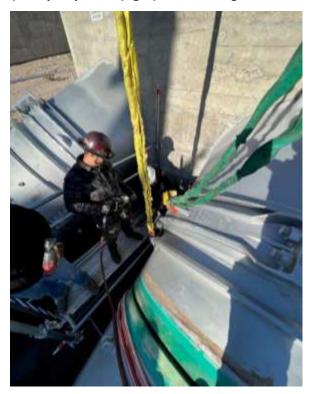
Wide selection of brands and styles of safety shoes available

Optimize Maintenance

To facilitate repair of a discharge valve at Iron Mountain pumping plant, staff worked to disassemble and remove the pump. Once the pump is removed, the discharge valve can be accessed and repaired. This task will include a full disassembly, assessment, and repair of the large conical plug valve. As part of the work, staff installed an isolator to allow for continued pumping of adjacent discharge lines. This isolator allows crews to work safely on an isolated portion of the system while the rest of the delivery line remains in service.



Staff removing the pump (left) and pump shaft (right) of a discharge valve at Iron Mountain pumping plant



Staff installing a discharge line isolator at Iron Mountain pumping plant

General Manager's Monthly Report

30

Colorado River Aqueduct components require frequent maintenance because of consistent use and harsh conditions. Pumping raw water takes its toll on equipment. Debris such as sand, silt, and vegetation increase wear on pump components. Staff rebuilt a circulating water pump at the Eagle Mountain pumping plant to ensure an adequate supply of cooling water in the upcoming summer months.



Staff measuring the circulating water pump case at Eagle Mountain pumping plat

Many projects are underway in the Desert, including the Iron Mountain Station Light and Power Switchrack Rehabilitation Project. Staff is working to excavate a new area to accommodate the construction work. This project will modernize the medium-voltage systems at Iron Mountain pumping plant.



Excavation work to facilitate an electrical system rehabilitation project at Iron Mountain pumping plant



Excavation work to facilitate an electrical system rehabilitation project at Iron Mountain pumping plant

Staff performed 6-year maintenance at Lake Mathews Hydroelectric Plant (HEP). Staff inspected the mechanical components and performed a variety of electrical testing in both the switchyard and control room. While exercising the capacitor bank disconnect switch for routine maintenance, the operating chain snapped. Staff locally purchased an immediate replacement for this critical component to complete the work.



Staff performing battery and switchyard maintenance at Lake Mathews HEP



Scroll case prepared for inspection at Lake Mathews HEP



Disconnect switch with new operating chain installed at Lake Mathews HEP

During routine maintenance on structures along the Palos Verdes Feeder, the electrical utility supply circuitry at a relief structure was found to have deteriorated. The Palos Verdes Feeder relief structure allows water to be discharged into the Dominguez Channel. A section of the underground conduit at the deteriorated section was

replaced, restoring reliable power. Consistent with Metropolitan's sustainability priorities, staff used a zero-emission mini-excavator for the repair.





Staff using an electric mini excavator for a new duct bank along the Palos Verdes Feeder

Staff repaired a deteriorated storm drainpipe at the Diemer plant. Heavy rains this winter caused a storm drain lateral on the south side of the plant to fail, creating a large depression. Staff completed excavation, shoring, and repair of the pipe that extends from a catch basin into the storm drainpipe.





Staff excavating between structures (left) and installing a shoring box (right) at the Diemer plant

Optimize Water Treatment and Distribution

The State Water Project (SWP) target blend entering the Weymouth plant stayed at 100 percent in April. The SWP blend at the Diemer plant was approximately 97 percent, because of an operational need to maintain a small Colorado River water flow on the Lower Feeder. The SWP target entering Lake Skinner increased from zero to around 50 percent to maximize the delivery of Article 21 supplies.

Flow-weighted running annual averages for total dissolved solids from March 2022 through February 2023 for Metropolitan's treatment plants capable of receiving a blend of supplies from the SWP and the Colorado River Aqueduct were 605, 609, and 608 mg/L for the Weymouth, Diemer, and Skinner plants, respectively.

Changes in system water demand on the Skinner plant cause flow changes that are often frequent and significant. Instruments measuring residuals of chemicals such as chlorine and ammonia are critical for keeping water quality variables within compliance, as changing demand can make chemical dosing decisions difficult to predict. This month, staff repaired the ammonia analyzer of the plant's Finished Water Reservoir Inlet. Getting these instruments back online is of the highest priority to plant operations when a failure occurs.



Staff repairing the Finished Water Reservoir Inlet's ammonia analyzer at the Skinner plant

Staff performed vibration testing on one of the used washwater return pumps at the Diemer plant. Vibration monitoring is one of many strategies that Metropolitan uses as part of its overall Preventive Maintenance (PM) Program. Machine vibration analysis is a predictive maintenance and a proactive approach in determining the overall condition of rotating machinery. Vibration monitoring allows early failure detection before major equipment damage that can require extensive repairs and a lengthy outage.





Staff performing vibration testing on a used washwater return pump at the Diemer plant

The Mills plant is completing its semiannual Washwater Equalization Basin cleanout. This laborious task typically requires several days using multiple crafts. Mills plant staff collaborated with the Construction Services Unit to provide a front loader and operator. These additional resources allowed the Equalization Basin to be put back inservice ahead of schedule, freeing up valuable staff time. This maintenance is performed during warmer temperatures and before the high flows of the summer months.



Staff hosing down debris and using a front loader to push solids towards the pump for removal at the Mills plant

Staff is currently working to convert the lighting in the four oldest tank farms to new energy-efficient LED fixtures at the Weymouth plant. These tank farms include the ammonia/caustic, alum/ferric, fluoride, and polymer chemicals. The ammonia/caustic and fluoride tank farms have been completed, and work on the polymer tank farm has just begun. The existing light fixtures date back to 1996 and have been requiring more frequent maintenance. This work will reduce the overall electricity consumption by approximately 45 percent, as well as deferring future maintenance

for about 10 years. The lighting also provides greater overall illumination and color/visual rendering, as well as adding an instant illumination benefit when compared with the previous lighting system.





Staff removing existing light fixture (left) and the tank farm with new LED lighting (right) at the Weymouth plant



Staff installing new valve position element at Live Oak Reservoir

Improve Emergency Preparedness and Response

Emergency response training for Metropolitan staff continued this month. On March 24 and April 21, staff completed training from the Governor's Office of Emergency Services. Additionally, staff from three Metropolitan Incident

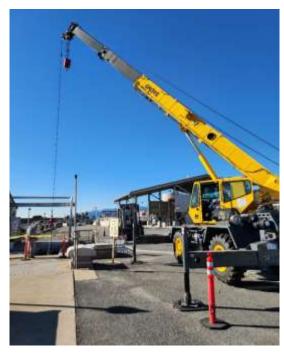
Command Posts completed refresher training emergency response procedures and participated in tabletop exercises.

Staff reached out to other utilities through participation in a review of Southern California Edison's emergency response plan and participating in the California Utilities Emergency Association's quarterly Board of Directors meeting.

Actively Engage in Capital Project Planning and Execution

On April 17, the design team for the Water Quality building improvement project presented the preliminary design layout. Three potential approaches to redesigning and expanding the Water Quality Laboratory were discussed along with the rationale and constraints for various design options. In addition to seismic resilience and improved building functionality for current and future testing requirements, the final facility design will also consider sustainability, opportunities for community education and outreach, and building longevity. A preliminary design update will be presented to the Board in July.

Staff installed an isolation drop gate in the Filter Building #2 Effluent Channel at the Weymouth plant. The Effluent Channel contains filtered water that requires coordination with Water Quality staff to ensure that proper disinfection of the gate is completed before its installation. Water Quality testing of the Effluent Channel is also required before and after gate installation. The gate is being installed as an isolation point for the upcoming filter valve replacement, which is part of the Basin 5–8 Rehabilitation Project.





Staff using a crane to lower the isolation gate (left) and guiding the isolation gate (right) into the Effluent Channel at the Weymouth plant

Protect Source Water Quality

On April 4, staff participated in the Clearinghouse Task Force meeting for the Topock Chromium-6 Groundwater Remediation Project held in Lake Havasu City, AZ. The California Department of Toxic Substances Control and Pacific Gas and Electric provided an update on project activities. Construction of the groundwater treatment system is underway and expected to be completed in 2026, followed by long-term operation and maintenance of the system. The long-term soil cleanup remedy is in development, and the feasibility study is expected to be completed in 2026.

On April 27, staff participated in the Clean Colorado River Sustainability Coalition board meeting in Lake Havasu City. Metropolitan is a member of this coalition, which comprises key stakeholders in the Lower Colorado River Basin focused on protecting the river's water quality. The coalition discussed activities involving Lake Havasu, including an ongoing mapping project and current water quality conditions.

Prepare for Future Legislation and Regulation

On March 24, the Department of Toxic Substances Control released its revised Generator Improvements Rule for public comment. The Generator Improvements Rule applies to hazardous waste generators such as Metropolitan. Staff is reviewing the revised rule before the May 8 comment deadline.

On March 29, the Environmental Protection Agency (EPA) published draft maximum contaminant levels (MCLs) for PFOA and PFAS at 4 parts per trillion (ppt) for each compound—the detection limit of EPA's test method. The proposed rule also set maximum contaminant level goals (MCLGs) for both PFOA and PFOS to 0 ppt. Last, the EPA proposed regulating PFNA, PFHxS, PFBS, and GenX as a mixture. The EPA hopes to finalize the regulation by early 2024 with a three-year compliance timeline from the rule's effective date. Staff will submit comments before the May 30 comment deadline.

On March 30, Cal/OSHA released a 45-day comment period package for the Proposed Indoor Heat Illness Prevention Standard. Cal/OSHA can adopt the standard as early as summer 2023. The proposed standard applies to all indoor work areas where the temperature exceeds or equals to 82° F with additional requirements when temperature equals or exceeds 87° F. Key requirements include providing access to water at worksites and within cooling areas; establishing cool-down areas at all times, and encouragement of breaks; and using control measures to minimize the risk of heat illness (i.e., PPE, engineering controls). Employees must also be trained on indoor heat Illness prevention. Staff is currently reviewing the requirements and assessing impacts. Public comments are due on May 18.

On April 5, the EPA published proposed revisions to the Consumer Confidence Reports (CCRs) under the Safe Drinking Water Act. When finalized, the EPA's proposal would, among other things, require public water systems serving over 10,000 people to deliver CCRs twice a year, encourage modern electronic delivery options, clarify information regarding lead levels and efforts to reduce lead in drinking water, and provide translation for customers with limited English proficiency. The EPA held two informational webinars about the proposed CCR Rule on April 12 and April 20, 2023. Staff is reviewing the proposed CCR Rule for potential changes to Metropolitan's Annual Water Quality Report that informs the member agency CCRs.

On April 7, Metropolitan submitted a comment letter on the California Air Resources Board's (CARB) 15-day Proposed Advanced Clean Fleets (ACF) Regulation. Set for adoption on April 28, the ACF includes a 50 percent zero-emission vehicle (ZEV) purchase mandate for medium to heavy-duty vehicles weighing more than 8,500 pounds beginning in 2024 with 100 percent completion by 2027. The ACF will affect more than 500 Metropolitan vehicles. Metropolitan's

comment letter requested that CARB delay the 100 percent ZEV purchase requirement compliance date from 2027 to 2030 to allow both the ZEV marketplace and state's charging infrastructure to mature. Staff will continue to monitor the development of the ACF Regulation.

On April 13, the EPA requested public "input and data" regarding whether to designate the precursors to PFOA and PFOS, as well as seven additional PFAS as hazardous substances under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund). The seven additional PFAS are PFBS, PFHxS, PFNA, Gen X, PFBA, PFHxA, and PFDA. This proposal follows the EPA's September 6, 2022, Notice of Proposed Rulemaking to designate PFOA and PFOS as hazardous substances under the CERCLA--which is not yet final. The April 1 Federal Register notice also requests input on regulating groups or categories of PFAS as hazardous substances. Staff is preparing comments by the June 12 comment deadline.

Enhance Support Infrastructure at the Desert Facilities

Staff continued construction efforts to improve the Desert facility infrastructure for the residents by constructing carport canopies to protect the residents' vehicles from the intense desert sunlight and heat. Staff has completed work at Gene Camp and has mobilized to the Iron facility. The work includes concrete footing placement for the canopies needed to anchor the structures and protect them from damage by the frequent wind events experienced at the Desert facilities.

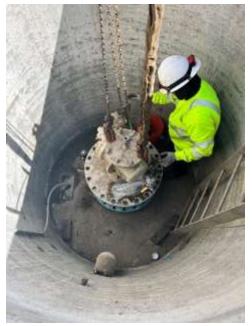




Vacuum excavation revealing rock (left) and staff locating buried utility conflicts (right) at a Desert facility

Ensure Accurate Billing Infrastructure

Staff repaired the Los Angeles Department of Water and Power's (LADWP) Automatic Meter Reader billing meter at Magazine Canyon. This flow meter is installed in a pumpwell located on the LADWP/Metropolitan interconnection that joins the Los Angeles Aqueduct to the Balboa Inlet Tunnel at Magazine Canyon. This service connection is used to receive water deliveries from the Los Angeles Aqueduct for treatment at the Jensen plant. After removal of the pumpwell flange, staff replaced the faulty flow meter sensor and programmed it for use. Verification testing will occur when the service connection is used—historically when LADWP has a surplus of water from the Owens Valley.





Staff repairing the LADWP service connection flow meter at Magazine Canyon



Staff repairing the LADWP service connection flow meter at Magazine Canyon

Advance Education and Outreach Initiatives

This month, Safety and Technical Training Staff participated as a speaker at the California-Nevada Section AWWA Spring Conference 2023 in San Diego. As part of the conference Environmental Health & Safety Series, a presentation on Wildfire Smoke Prevention: Regulation, Compliance, and Control was delivered to conference attendees. Metropolitan general field workers complete this training to help protect them from unhealthy air quality from a nearby wildfire while performing outdoor work. This training was modified for the AWWA presentation to help member agencies to develop a plan for protecting their workforce when a potential for exposure to wildfire smoke is present.



Staff presenting Wildfire Smoke Prevention at CA-NV AWWA Spring Conference in San Diego

Spring brought an increase in the frequency of in-person facility tours. Staff provided tours of the Water Quality Laboratory for congressional support staff on April 13, to Metropolitan Directors and guests on April 21, and to various internal Metropolitan groups throughout the month.



Directors Morris and Dennstedt and their guests enjoy lunch before a tour of the Water Quality Laboratory

Support and Engage with Member Agencies on Technical Matters

Staff conducted a tour of the Diemer plant for Director Thai Phan and staff from the city of Santa Ana. The tour included a general overview of the source water supplies and water treatment process. It also included a walking tour of the sedimentation basins, filters, pipe gallery, control room, and water quality lab.

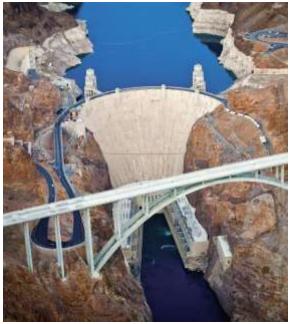


Staff with representatives from the city of Santa Ana during a tour of the Diemer plant

On April 12, staff hosted a microplastics workshop for member agencies. A webinar in the morning was open to all member and retail agencies and provided background information on microplastics, legislative requirements, sample collection, and analysis methods. The webinar was attended by over 120 online and approximately 20 in-person participants, representing most member agencies. The primary focus of the workshop was reviewing monitoring requirements and potential sampling locations with the State Water Board's representative on microplastics. The workshop increased awareness on monitoring requirements for potentially affected agencies and provided the State Water Board with information on some of the constraints and challenges of collecting and analyzing samples. The goal of this and future outreach with the State Water Board is to ensure a robust monitoring program and reliable data.

Monthly Update as of: 4/30/2023

Reservoir	Current Storage	Percent of Capacity
Colorado River Basin	_	
Lake Powell	5,516,000	23%
Lake Mead	7,661,000	30%
DWR		
Lake Oroville	3,229,977	91%
Shasta Lake	4,430,129	97%
San Luis Total	2,013,748	99%
San Luis CDWR	1,056,169	99%
Castaic Lake	307,060	95%
Silverwood Lake	69,136	92%
Lake Perris	120,058	91%
MWD		
DVL	530,639	66%
Lake Mathews	170,274	94%
Lake Skinner	35,816	81%



Hoover Dam

Information Technology

Project Highlights

Cybersecurity Internship

From April 3 to April 6, 2023, Metropolitan IT staff participated in the Metropolitan Internship program with a group of student interns from Narbonne and Carson High schools. The Cybersecurity Internship, was coordinated through Information Technology, Sustainability, Resiliency and Innovation Office, External Affairs/Conservation, and Community Services/Education teams, and hosted through Metropolitan partner "Tomorrow's Talent."

To evaluate career paths and assist in next-step planning, students immersed themselves in a weeklong IT-related, bootcamp-style, classroom training event to learn about the knowledge, skills, and abilities desired in a successful Cybersecurity professional within the critical infrastructure areas of responsibility. These classes included various hands-on activities in a live Cybersecurity Operations Center environment such as conducting Open Source Intelligence (OCINT) Research and daily ops briefings, networked systems session identification/troubleshooting and incident response, incident response trouble ticket creation, system component repair, and identification and review of basic network components and architecture.

Emphasis was placed on the critical infrastructure aspect of why we do what we do, when the students took a field trip to the Metropolitan Cybersecurity Operations Center in La Verne, California. While at the Cybersecurity Operations Center, students reviewed and conducted daily tasks routinely conducted by Cybersecurity Operations Center personnel and monitored systems for security events. While at the Cybersecurity Operations Center facility, students also took a WSO-hosted tour of the Control Room, Pump House, and Water Lab, in addition to walking the grounds of the entire facility to better understand the magnitude of the duties, responsibilities, and gratification that come with a career within the Water Industry.



Unmanned Aerial Vehicle Recent Missions

Recent drone missions were conducted to document the repair of one of the forebay gates at Lake Mathews. The team captured imagery before, during, and after the removal of the old forebay gate and the installation of the new forebay gate.

Additionally, the team captured aerial video footage of the water flow out of the I/O tower at Diamond Valley Lake. Footage covering the Article 21 press event was made available to the press. While covering the water flow, the team also took aerial video footage of the incredible wildflower bloom occurring at the northeast area of Diamond Valley Lake.

All material from the recent missions can be viewed here: MWD UAV Stream Channel



Real Property

Highlights

Provide right-of-way planning, valuation, and real property acquisition support services for the protection and reliability of existing infrastructure.

Obtained a permanent easement from Calleguas Metropolitan Water District to construct a new access route to the West Valley Feeder located in the city of Chatsworth. The new road will provide Metropolitan access to the pipeline to perform maintenance.

Obtained a temporary right of entry permit from Morlin Asset Management, Los Angeles County Metropolitan Transportation Authority's (LACMTA) property management company, to facilitate the installation of new fencing, gates, and bollards as part of the Metropolitan Headquarters Building Exterior Physical Security Improvements Project. This permit will allow the space necessary for construction activity, which will occur from April 2023 through January 2024. This permit supplements permanent easement rights acquired from LACMTA in August of 2021 for the permanent fixtures described.

Foster staff training and development.

Attended the following training:

Attended the Eighth Annual Southern California Chapter of the Appraisal Institute and IRWA Chapter 57 Luncheon and Program in which the topic "Public Agency Valuation Considerations for Properties That Have No Market" was presented. This training enables staff appraisers to properly value land and to understand alternative methods of deriving land value, which may be used during the negotiation process for land acquisition by public agencies.

Attended the American Planning Association's National Planning Conference online and achieved several needed credits toward the maintenance of the American Institute of Certified Planners (AICP) designation.

Provide right-of-way planning, valuation, and real property acquisition support services for the sustainability and reliability of both imported and regional water supplies, and protection of water rights.

Acquired a one-year temporary access permit from the Los Angeles County Flood Control District for visual environmental surveys in support of Pure Water Southern California. The surveys will be conducted along the San Gabriel River alignment and will observe current biological, cultural resource, noise, and hazmat conditions.

Obtained a five-year license from the United States Army Corps of Engineers to enter Santa Fe Dam, Morris Reservoir, and Whittier Narrows Dam areas. The license was obtained for the purpose of conducting non-invasive site walks and observational studies to gather information for environmental surveys in connection with preparing the Pure Water Southern California Program's Environmental Impact Report.

Core Business: Real Property Acquisition, Management, and Revenue Enhancement

Provide valuation, land management, and real property disposition support services for the maximum return or use of Metropolitan-owned land and facilities.

Issued a five-year license to West Air Gases and Equipment for parking purposes within the Second Lower Feeder right-of-way in Anaheim. The premises will be paved for supplemental parking to accommodate the licensee's staff.

Efficiently maintain and operate assets not related to the treatment and distribution of water.

The Diamond Valley Lake Marina drew a record number of visitors to the Wildflower Trail this month. Over 40,000 people have visited the trail thus far to enjoy the wildflowers in bloom. Several thousand more visitors are expected through the remaining weeks of spring.



Sidewalk repair work was completed in the east DVL recreational area. Work consisted of concrete grinding to remove potential tripping hazards throughout the area.



District Housing Maintenance and Management.

Replacement of flooring at District Housing located at Live Oak Reservoir was completed. Old vinyl tile and carpet were scrapped out and new vinyl flooring and carpet were installed.





Pre-occupancy repairs on two houses were completed this reporting period. Repairs to these two houses consisted of extensive renovations to include interior/exterior painting, flooring, complete kitchen renovation, bathroom renovation, plumbing re-piping, extensive yard cleanup, etc.

Desert Housing and Recreation Interim Action Plan (DHRIAP) has been implemented and work continues several key projects continue. The carport installations at Gene Camp are now complete. The installation efforts have now transitioned to Iron Mountain where excavations for concrete footings have already begun. The Iron Mountain Wellness Center is progressing. All drywall finish work and interior texturing and painting has been completed in the wellness center. The flooring for the wellness center will be installed by 4/19. The plumbing work is now complete in the renovation of house 25-I at Iron Mountain. The next phase of the project includes the installation of drywall. The fencing privacy slats have been installed for four houses at Iron Mountain.



Carport Installations Complete at Gene Camp



Plumbing Re-piping and Drywall Installation at Iron Mountain House 25-I



Fencing Privacy Slat Installations at Iron Mountain

Security

Project Highlights

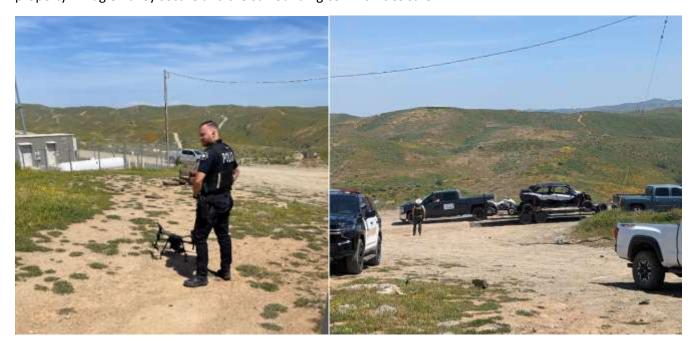
Develop and Refine Security's Strategic Plan

Metropolitan Security Specialists collaborated with multiple public safety agencies over the Easter weekend to conduct a surprise enforcement sweep of Metropolitan's Eagle Valley fee property situated west of Lake Mathews. Two Metropolitan Special Agents facilitated access and provided vital route mapping information and detailed guidance on "hot spots" on the district's property.

The Corona Police Department, California Highway Patrol, Riverside County Sheriff, and other public safety agencies used drones to scout the area and identify potential violators; they issued 81 warnings and 16 written citations for various offenses including:

- Illegal off-roading
- Illegal discharge of a firearm
- Vehicle code violations
- Possession of an unserialized "ghost" firearm
- An unoccupied stolen vehicle

Metropolitan Agents and Riverside County Sheriff pledged to continue working with Metropolitan in keeping its fee property in Eagle Valley secure and the surrounding communities safe.



Security Specialists assist law enforcement in safeguarding Metropolitan's Eagle Valley

Security and Emergency Response

Protective Security Advisors (PSAs) from the Department of Homeland Security (DHS) met with Metropolitan Security Management staff at the Julian Hinds Pumping Plant for an internal security briefing, area familiarization, and facility tour of critical infrastructure.

The PSAs belong to CISA Region 9, which includes Arizona, California, Hawaii, and Nevada. They play a critical role in areas such as chemical security, emergency communications, and cybersecurity.

PSAs frequently collaborate with Metropolitan Security Specialists to provide essential risk and risk mitigation advice, vulnerability assessments and inspections, trainings, and tabletop exercise support.



DHS PSAs from CISA Region 9 met with Security Management staff

Finance and Administration

Finance



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.

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

The Risk Management Unit completed 36 incident reports communicating instances of Metropolitan property damage, liability, workplace injuries, regulatory visits, and spills.

Risk Management completed 56 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 A-06.

- Facilitated meetings between Payroll and Information Technology to better understand impacts during an extended system outage and develop strategies to continue paying employees.
- Collaborated with IT and Cybersecurity to develop plans for the district to continue working in the event of a cyberattack rendering systems unavailable.
- Worked with the Fusion vendor to make updates to the guided workflows used by planning coordinators to update their business continuity plans.
- Assisted Risk Management with the review and rating of candidates for third party administrators for liability/property claims.
- Participated in planning meetings with Engineering, Legal, WSO, and consultants to develop a Hazard Mitigation Plan to enable the district to seek grant funding for projects.
- Participated in planning efforts for the 4/23 power shutdown at Headquarters to ensure no business impacts.

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.

• In April 2023, the Board approved resolutions fixing and adopting a Readiness-to-Serve Charge and a Capacity Charge for calendar year 2024.



Finance and Administration

(continued)

- Water Transactions for March 2023 (for water delivered in January 2023) totaled 61.9 thousand acre-feet (TAF), which wase 39.3 TAF lower than the budget of 101.2 TAF and translates to \$61.0 million in receipts for March 2023, which was \$35.3 million lower than budget of \$96.3 million.
- Year-to-date water transactions through March 2023 (for water delivered in May 2022 through January 2023) were 1,189.4 TAF, which was 91.4 TAF lower than the budget of 1,280.8 TAF. Year-to-date water receipts through March 2023 were \$1,128.3 million, which was \$80.0 million lower than the budget of \$1,208.3 million.
- In March 2023, Accounts Payable processed approximately 3,400 vendor invoices for payment and took advantage of about \$2,800 in discounts.

Manage investor relations to ensure clear communications, accuracy of information, and integrity.

Treasury and Debt Management staff provided updates to our investor relations portal, including Metropolitan's most-recent finance-related documents, such Monthly Treasurer's Report, Quarterly CIP Update, and Quarterly Financial Report. Treasury Section Manager, Sam Smalls, participated in a panel hosted by the California Debt and Investment Advisory Commission (CDIAC) on "Approaches to Bond Disclosure," highlighting Metropolitan's best-in-class methods for developing accurate, primary, and continuing bond disclosures.

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.

Metropolitan staff and the finance team are working on finalizing documentation for an estimated \$280 million revenue bond sale in May 2023, including Appendix A, Metropolitan's primary disclosure document. Finance staff also has been working on developing a rating agency strategy and two presentations to Moody's and S&P for the upcoming bond sale.

The Treasury and Debt staff has made progress in developing key components of the Long-Range Finance Plan document and coordinating the development of key finance approaches to scenario analysis with the Budget, Rates, and Planning Section and WRM Group.

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

As of March 31, 2023, Metropolitan's investment portfolio balance was \$1.2 billion; in March 2023, Metropolitan's portfolio managers executed 33 trades.

In March 2023, Treasury staff processed 1,140 disbursements by check, 28 disbursements by Automated Clearing House (ACH), and 123 disbursements by wire transfer. Treasury staff also processed 82 receipts by check, 43 receipts by ACH, and 50 receipts by incoming wires and bank transfers.

In addition, there were 8,417 P-One Card transactions, totaling \$1.2 million, recorded in the March bank statement.

Finance and Administration

(continued)

Administrative Services

Accomplishments

Rideshare Quarterly Newsletter Distribution



The quarterly Rideshare newsletter was distributed to its participants this month! This quarter staff welcomes participants into spring and provides updates on many events and transportation throughout Southern California. This newsletter is an opportunity for Rideshare staff to share fun local transportation-related events, provide updates to commuting services that Metropolitan employees use daily, and provide Metropolitan Rideshare program updates. Please contact Rideshare at Ridshare@mwdh2o.com for a copy of the full newsletter.

Operating Policy Revisions Underway

The Technical Writing Team successfully managed updates to *Operating Policy A-02: Delegation of Command, Authority and Responsibility*. Operating policies are high-level instructions established by management for conducting Metropolitan's day-to-day business activities. Staff works with Legal and Executive Management to create or revise policies to ensure clarity for Metropolitan's business practices. Currently, 23 of the 71 policies are in revision and an additional new policy is in development.

(continued)

Human Resources

HR Priorities

Partner with Metropolitan leadership to support learning, development, and adaptive workforce planning initiatives.

In April, 669 Metropolitan employees attended virtually facilitated classes, including Resume Writing, MS Project, Personal Security Awareness, Conflict Resolution, Avoid Burnout in the Workplace, and Communication Strategies.

LinkedIn Learning, Metropolitan's online e-learning content platform, was accessed for such topics as Program Management Fundamentals, Improving Your Memory, Leading with Emotional Intelligences, Ergonomics 101, and Communication Within Teams.

The Organizational Development & Training Unit (OD&T) facilitated a training session at Diamond Valley Lake for the Apprenticeship Program. Topics included Learning Styles, Test Taking Strategies, Communications Skills, and Stress Management. A team training was also provided for Engineering's Design Section focusing on Building Trust, Communication Skills, and Employee Engagement.

Seek diverse, high-quality talent, and establish partnerships to discover additional outreach opportunities that aid in staffing positions.

Recruitment successfully filled 17 positions for April. Recruitment received 17 new staffing requisitions, resulting in 207 positions currently in recruitment.

HR Core Business: Comply with Employment Laws and Regulations

Effectively administer all Human Resources policies, programs, and practices in compliance with applicable federal and state laws and Metropolitan's Administrative Code, Operating Policies, and Memorandum of Understanding.

HR Benefits worked with HRIS and IT to issue the 1095-C statements to all employees and filed the 1094-C Employer report with the IRS by March 1, 2023, as mandated by law under the Affordable Care Act (ACA).

In April, three new workers' compensation claims were received. Five employees are currently off work because of an industrial injury or illness, and four employees have returned to work. This reflects Metropolitan's effort to accommodate injured workers, while enabling them to be productive and on the job. Staff is currently addressing four accommodations both in house and with Shaw HR Consulting.

In addition, staff added three industrial medicine providers to the roster to increase the number of options for Metropolitan employees. Staff continues to work closely with our Workers' Compensation Third-Party Administrator, TRISTAR Risk Management.

Activities of the Medical Screening Unit are summarized as follows for April:

- Coordinated four medical Medvan visits (DMV, respirator exams, and hearing tests) at desert facilities (Hinds, Eagle, Iron, Gene).
- Facilitated return-to-work from leave for four employees.
- Addressed 45 accommodation issues, including referrals and follow ups with Shaw HR Consulting.

(continued)

HR Metrics	June 2022	April	Prior Month
		2023	March 2023
Headcount			
Regular Employees	1,762	1766	1,764
Temporary Employees	37	14	19
Interns	2	0	0
Recurrents	18	18	18
Annuitants	19	24	25

	April 2023	March 2023
Number of Recruitments in Progress	207	218
(Includes Temps and Intern positions)		
Number of New Staffing Requisitions	17	24
	April 2023	March 2023
Number of Job Audit Requests in Progress	9	10
Number of Completed/Closed Job Audits	2	4
Number of New Job Audit Requests	1	2

Transactions Current Month and Fiscal YTD (includes current month)			
External Hires	FY 21/22 Totals	April 2023	FISCAL YTD
Regular Employees	82	7	93
Temporary Employees	36	3	17
Interns	4	0	0
Internal Promotions	70	2	50
Management Requested Promotions	152	12	117
Retirements/Separations (regular employees)	127	5	88
Employee-Requested Transfers	15	0	13

Departures

Last	First Name	Classification	Eff Date	Reason	Group
				Retirement-	Water System
Martinez	Conrad	O&M Tech IV	2/28/2023	Service	Operations
Perez	Gilbert	O&M Tech IV	3/16/2023	Retirement—	Water System
				Service	Operations
Shorter	Joyce	Storekeeper III	3/16/2023	Retirement—	Administration
				Service	
Stubblefield	Joshua	O&M Tech IV	2/24/2023	Resign—Accepted	Water System
				Other Employment	Operations
Venson	Cora	Admin Analyst	3/3/2023	Resign—Accepted	Administration
				Other Employment	

(continued)

Diversity, Equity and Inclusion

Tribal Outreach & Engagement

The DEI Team attended the fourth Tribal Water Summit in Sacramento, April 11 to April 13, 2023. The summit convenes every five years. The goal is to provide a high-level dialogue between tribal governments and state/federal government officials to discuss the most important water supply policy and water management issues tribal governments face today. The topics covered include tribal water rights, water resource management, cultural inclusion in government planning, and tribal research assessments for California's climate plan. A discussion in emerging water markets included case studies by the Colorado River Indian Tribe's leasing program and Quechan Tribe's seasonal fallowing program with Metropolitan. The summit was attended by over 400 tribal leaders from both federally recognized and unrecognized tribes.

Business Outreach & Community Engagement

On April 28, 2023, staff attended the 2023 State Contracting Summit in Irvine, CA. Over 200–250 small business owners from the region participated in the conference focusing on State and Local Contracting and Access to Capital. Staff exhibited a table, and John Arena, Business Outreach Section Manager, presented during a breakout session during the conference to discuss Metropolitan's small business program and how businesses can prepare for contractual opportunities. During the last segment, "Meet the Speakers," speakers had the opportunity to interact directly with attendees.



Business Outreach attended The Associated General Contractors (AGC) Tri-District Board of Directors Meeting, On Wednesday, April 5. Metropolitan updated the board on the potential construction contracting opportunities. Together, we actively create opportunities to build and strengthen our water district. AGC believes construction is vital to the success of California. Partnerships with AGC improve industry relationships and develop our workforce.

(continued)



Business Outreach attended the IFMA-LA event on Monday, April 10. IFMA-LA is the premier facilities management organization in Los Angeles, fostering excellence in both the workplace environment and its workforce. (200 in attendance)

Business Outreach attended The Water Infrastructure Networking Summit (WINS) on Friday, April 14, in Costa Mesa. The Keynote Speaker was The Honorable Antonio Villaraigosa, Infrastructure Advisor of California. Metropolitan Chair Ortega was among the speakers at the event. Over 300 guests attended from water districts, cities, community organizations, consulting firms, and non-profit agencies including elected officials.

Business Outreach attended the Spheres for Sustainability Summit on Thursday, April 27. Adan Ortega Jr, Chairman, Metropolitan Water District of Southern California, was the keynote speaker. The goal of the conference is to champion and empower coalitions among Hispanic and diverse small businesses, government, and local communities in the Greater Inland Empire region and beyond by providing resources and opportunities to ensure their success.

External Affairs



External Affairs

Highlights

GM Hagekhalil joined Felicia Marcus on the AirTalk with Larry Mantle radio show to discuss the release of the federal government's Supplemental Environmental Impact Statement for near-term Colorado River operations, and the impacts to Southern California residents, businesses, agriculture, and the environment. (April 12)

Metropolitan co-hosted the California Colorado River Board meeting and provided a tour of the Pure Water Southern California demonstration facility for board members and staff. (April 12–13)

GM Hagekhalil spoke to the Orange County Business Council where he discussed PFAS, One Water, State Water Project, and Colorado River issues. (April 13)

Chair Ortega spoke to the group and Directors Ackerman, Alvarez, Dick, Erdman, Jung, Quinn, and Seckel, and





California Colorado River Board members including newly appointed member and MWD Director Cordero (left) and Pure Water Southern California facility tour (right)

GM Hagekhalil and staff attended, and Metropolitan sponsored the Water Infrastructure Networking Summit (WINS) an event to bring awareness of the needs and funding opportunities for regional water and wastewater infrastructure. (April 14)



GM Hagekhalil, former LA Mayor Villaraigosa, BizFed's Hernandez, and MWD Chair Ortega at the Water Infrastructure Networking Summit

GM Hagekhalil was a featured guest on Fox 11's "In-Depth" public affairs show to discuss drought, recent storms, and actions to secure future water supplies.

Director McCoy attended and Metropolitan sponsored the California Greenworks CELA Awards, at which Director Sutley was honored. (April 20)

Metropolitan hosted and Chair Ortega provided welcoming remarks to a coalition of elected officials and community, labor, business, and environmental leaders at the Groundswell Water Justice legislative hearing. (April 21)

External Affairs

GM Hagekhalil appeared on NBC4 Conan Nolan's "News Conference" public affairs show to talk about improved State Water Project conditions, the Colorado River, and initiatives to address climate change. (April 23)

Chair Ortega participated in the Hispanic Coalition of Small Businesses (HCSB) Spheres of Sustainability Summit (April 27)

Legislative Services

Federal

Fourteen staff from Congressional offices representing Metropolitan's service area toured the Colorado River to learn about Metropolitan's water systems, current year supply conditions, and future initiatives. (April 11–14).



GM Hagekhalil on KNBC4 News Conference public affairs

Metropolitan staff continues to advocate for increased federal investments in water infrastructure funding as lawmakers continue to work on the fiscal year 2024 appropriations process.

State

Several bills of interest to Metropolitan and its member agencies have been introduced in the legislature, including those related to non-functional turf, native plants, water rights, Delta issues, and proposed bond measures. Staff is analyzing, monitoring, and working with the administration and legislators to provide input based on policy principles and board direction.

Metropolitan and six SWP-dependent member agencies sent a letter to Governor Newsom and the legislature requesting \$50 million in state funding to accelerate work on critical regional conveyance water infrastructure.

Local

Director Morris and Metropolitan staff attended a community roundtable on the Bipartisan Infrastructure Law for local projects, including water infrastructure projects, hosted by Rep. Ruiz (D-Indio) and Sr. Advisor to the President and Infrastructure Implementation Coordinator Landrieu. (April 5)

Sponsored the Valley Industry & Commerce Association's Congressional Luncheon, which featured Reps. Porter (D-Irvine), Sherman (D-Sherman Oaks) and Garcia (R-Santa Clarita). (April 13)

Attended the Greater West Covina Business Association Legislative Breakfast with Representative Napolitano (D-Norwalk), attended by over 100 local community and business leaders. (April 21)

Metropolitan sponsored and Director McMillan and staff attended the Association of Water Agencies of Ventura County Annual Water Symposium. (April 20)

Southern California Water Coalition (SCWC) held its Quarterly Luncheon in Temecula. (April 28)

Metropolitan staff presented, monitored, and/or participated in 68 webinars, virtual meetings, and events this month with community organizations, trade associations, and local officials on water-specific topics.

Media and Communications

Hosted a media tour of Hoover Dam, Colorado River Aqueduct, and the Yuma Project with reporters and photographers from the Los Angeles Times, CNN, Spectrum News, and Associated Press.

Coordinated the following interviews:

- PPIC and EO/AGM Upadhyay on long-term water challenges and strategies for reliability
- LA Times reporter Ryan Fonseca and WRM's Polyzos on water supply conditions



Participants of the Colorado River media tour at Intake

- Colorado River Resources Manager Hasencamp and KNX-AM 1070, Los Angeles Times, and KCBS-TV 2/KCAL 9 regarding Colorado River supplemental environmental assessment
- KNBC4 reporter Tony Shin and WRM's Polyzos regarding runoff and water supply
- ProPublica reporter Mark Olalde and Colorado Resources Manager Hasencamp regarding Metropolitan's agricultural partnerships
- KPCC-FM 89.3's Jacob Margolis and WRM's Polyzos regarding 100 percent SWP allocation

Press Releases

- Governor's drought action, increased State Water Project allocation
- Metropolitan replenishing storage at DVL
- Launch of conservation advertising campaign on world's largest digital billboard, The Reef
- Release of draft SEIS for Colorado River operations
- SWP allocation increasing to 100 percent

Creative Design

Launched new digital notification program in 800 hardware, garden, and mom-and-pop nurseries that sends messages about rebates and smart irrigation controllers to customer mobile phones as they enter the stores.



Metropolitan's BeWaterWise message on The Reef

Entered the next phase of social media influencer campaign

with actor/director Fred Armisen and author/designer Justina Blakeney. Spots have helped Metropolitan reach a broader and younger demographic and have increased visitors to Instagram.

Finalized video of the Delta smelt propagation study, photographed two service awards luncheons, and created a video for BizFed event that features Liz Crosson, Metropolitan's SRI chief, discussing district sustainability initiatives and goals.



DVL wildflowers and wildlife are showcased on new mwdh2o.com web pages

Website

- Added new pages and features highlighting Diamond Valley Lake wildflower bloom and the Project Labor Agreement.
- Generated nearly 98,000 views on mwdh2o.com, with DVL's wildflower bloom, careers, and job listings being the top visited pages.
- Five-fold increase in traffic to bewaterwise.com, with nearly 120,000 views.

Social Media

- Earned more than 23 million impressions, with more than 139,000 clicks to bewaterwise.com from social media.
- Generated significant interest on social media for posted video on Diamond Valley Lake press conference, surpassing benchmarks on Instagram.
- Posted drone aerial videos of DVL's wildflower trail and The Reef conservation messaging on social media platforms.
- Highlighted employees for Armenian History Month by posting photos from the Armenian American Employees Group event and posted a quote from Chair Ortega on Cesar Chavez's contributions









Social media postings included new turf rebate assets, Armenian History Month, lifestyle influencer Josie Maran, and native plant artwork

Public Outreach and Member Services

Pure Water Southern California

 Tours for Long Beach Utilities (April 6); Council for Watershed Health Recycled Water Communications Workgroup (April 10); Cal Poly Pomona students (April 11); California Colorado River Board (April 12); LA County Public Health (April 24); San Gabriel Watermaster (April 26); UCLA (April 27)

64

- Presentations and briefings to the Lakewood Rotary Club (April 13);
 Long Beach School Board Member Dr. Felton Williams (April 18);
 Downtown Long Beach Lions Club (April 21)
- Community engagement at the Carson Earth Day Celebration (April 15); Bike Tour with Active San Gabriel Valley (April 15); Los Angeles Counties Sanitation Districts' Earth Day Festival (April 22)
- Notified residents and businesses in Covina, West Covina, and Baldwin Park about Middle Feeder Shutdown



Conducted five director inspection trips to the State Water Project, Diamond Valley Lake, Weymouth and the Water Quality Lab, and conveyance infrastructure



Provided a Water Supply Update at Rancho Water District's Annual Farm Managers meeting (April 5)

Participated in the city of Blythe Community Outlook conference (April 10)

Organized UCLA student tour of Jensen Plant (April 19) and Korean delegation tour of Weymouth (April 21)

Conservation materials were provided for Walnut Valley Water District's Community Water Summit, focused on outreach to Asian American and Pacific Islander communities (April 22)

Education and Community Relations

Interacted with more than 4,000 teachers, students and parents through in-person and online field trips, career days, community events, meetings, and customized class

presentations.

- Provided water education materials to LA County Office of Education Girls in STEM program
- Career events in Pomona, San Fernando Valley, Monterey Park, and Rialto
- Hosted water education booths at Splash into Spring in Riverside, the annual LACSD Earth Day event, the Orange County Children's Drinking Water Festival, Future Green Leaders Conference, Annual Youth Summit in partnership with Tree People, and Generation Earth at the Natural History Museum



One of many water education classroom presentations for schools throughout Southern California



Metropolitan's cybersecurity interns toured several Metropolitan facilities

The 37 winners of the 2023 Water is Life Poster Contest had their art displayed this month at Three Valleys Municipal Water District and Pomona City Hall.

In partnership with Tomorrow's Talent, Metropolitan staff supported a pilot Workforce Development Initiative with seven cybersecurity interns from Narbonne High School, Harbor City, and Carson High.

The Water Engineering 4 Good, an online STEM pilot program concluded this month with final presentations and an awards ceremony for 12 teams of middle and high school students.

Community Partnering and Sponsorship Program

- Theodore Payne Native Garden Plant Tour (April 14–15)
- Monte Vista Water District Waterwise Expo
- The Samburu Project—Kids Helping Kids
- Weaving Earth, Inc. LA Walks of Resilience and Accountability
- Sustainable Claremont—Earth Day Celebration
- Topanga Enrichment Programs, Inc.—Science Day and Conservation Garden Box Project
- Oceanographic Teaching Stations, Inc.—Keep it Green, Keep it Clean Earth Day Festival
- City of Oxnard—Water Wise Student Art Contest

66



Sustainability, Resiliency, Innovation and Environmental Planning

SRI Core Activities

Committee and Subcommittees Presentations

The Chief of SRI presented at the One Water and Stewardship (OW & S) and Finance, Audit, Insurance, and Real Property (FAIRP) committees and Long-Term Regional Planning Processes and Business Modeling (LTRPPBM) subcommittee. At the OW & S the Chief of SRI gave an update on our sustainability strategy, which includes guiding principles, section-specific goals, and key performance indicators. At the FAIRP committee, the Chief of SRI gave a presentation on *Next Steps on the Climate Adaptation Master Plan for Water (CAMP4W)*. The potential upcoming board policy decisions and potential adaptation master planning process were discussed. Additionally, at the LTRPPBM subcommittee, the Chief of SRI gave an update on CAMP4W discussion for the upcoming May 23 Board Workshop (terminology and interests).

Climate Panel at Infraday California

The Chief of SRI participated on the *Collaborating to Address Climate Risk* panel in Los Angeles. The panel brought together experts and practitioners in the field of climate adaption and resilience at the municipal, regional, and state level. The Chief of SRI discussed the challenges that their communities face in dealing with climate change impacts, such as droughts, wildfires, sea level rise, and extreme weather events, and explored strategies to build resilience.





Panel of Speakers at the Infraday—Collaborating to Address Climate Risk

Inaugural Climate Action Plan Annual Report

SRI released its inaugural Climate Action Plan report, detailing its progress over the past year on a suite of measures designed to help the district achieve carbon neutrality by 2045. Highlights include transitioning retail accounts to green power, the establishment of the ZEV Executive Task Force, launching a public-facing GHG dashboard, and exceeding turf replacement goals, which also reduces Metropolitan's carbon footprint.

67

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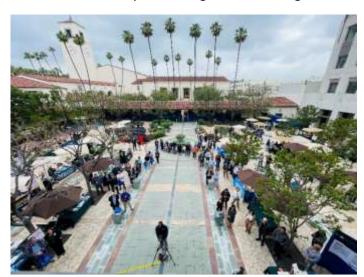
CAMP4W (Climate Adaptation Master Plan for Water) Planning Team

The Chief of SRI convened and conducted initial meetings with CAMP4W Planning Team leaders across Metropolitan. The CAMP4W team began work to engage Metropolitan's board and member agencies in the CAMP4W process. Initial Board Workshops and Member Agency Manager Meetings will focus on coming to mutual understanding of how Metropolitan defines *Resilience*, *Reliability*, *Affordability*, and *Financial Sustainability*.

Sustainability Expo 2023

Metropolitan hosted its first Sustainability Expo/Earth Day on April 25, 2023, at our headquarters building, courtyard, and on Zoom. Expo showcased Metropolitan and its sustainability and innovation champions. Over 400 Metropolitan employees attended the Expo and learned from colleagues about sustainability practices, including zero-emission vehicles, water conservation tips, drought-tolerant gardening, and composting. The engaging exhibits showed how Metropolitan and the work we do inspire a better future. It was a day for sharing and connecting.





Sustainability Expo 2023 at Metropolitan's Headquarters



Metropolitan Employee Panel discussing "Sustainable Transformation at Home Using Solar Panels and Drought Resistant Gardening"

(continued)



Metropolitan Employee Panel discussing "Driving Sustainability with Zero Emission Vehicles"



Panel Speakers Discussing "Circular Economy"

Envision 2-day Training

This month SRI and Human Resources began offering staff training in support of Metropolitan's adoption of Envision Sustainable Infrastructure Standards. The training provided participants with an introduction to the Envision framework and fostered conversations on synergistic opportunities with Metropolitan's current Environmental Planning and Engineering workflows.



SRI and Human Resources first staff training on Envision Sustainable Infrastructure Framework

SRI Lunch and Learn

This month the SRI Office partnered with Engineering and Water Resource Management to host Professor Graeme Stephens, Director of NASA Jet Propulsion Laboratory's Center for Climate Sciences, Distinguished University Professor (Colorado State University, Emeritus). This talk reviewed the progress made in understanding the global hydrological cycle, how it varies over time, and over a range of spatial scales. This hybrid presentation was the fourth SRI sponsored Lunch and Learn of the year.

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SRI Council Meeting

This month's SRI Council Meeting focused on introducing the tool *IdeaScale*, which promotes promising staff-generated novel SRI initiatives. IdeaScale is a software hub to store, process, and organize Metropolitan staff's best SRI ideas. The SRI Council also discussed outreach strategies to inform staff of upcoming SRI training and learning opportunities (see **Envision 2-day Training** and **Sustainability Expo 2023**).

Zero Emissions Fleet (ZEV) Transition

The SRI Office continued to liaison between WSO, ESG, Finance, and Procurement to develop and implement Metropolitan's transition to zero emission vehicles and equipment.

Green Procurement

The SRI Office continued to work with the Administrative Services Section to modify the existing G-05 Operating Policy, Procurement of Goods and Services, to incorporate sustainable purchasing practices. Team members are also developing a new Operating Policy, G-06, Sustainable Procurement, which outlines Metropolitan's commitment to the procurement of sustainable products and services.

Innovation

Membership in WaterStart

On April 19, Metropolitan's SRI Innovation, Engineering, Operations, WRM, Cyber, and IT Teams participated in peer-to-peer discussions with global water agencies and Olympic groups from Paris, Los Angeles, Australia, Brazil, and Japan on water quality at the Olympic Games.





SRI's Innovation Team is a member of WaterStart and participates in co-funded pilots with WaterStart and WaterStart members. WaterStart's next RFP is now open for novel technologies to solve critical water challenges for water agencies and major consumers. The RFP is a call for innovative technologies that transform the way we track, safeguard, and transport our most essential resource—water.

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This is an opportunity for tech providers that can address this round's challenges related to #drinkingwater, #agriculture, #environmental, #cooling. #RFP23 closes on Monday 12 May 2023. Find out more and submit your RFP through the WaterStart online portal https://waterstart.com/rfps/rfp23/.

- WaterStart is a non-profit collective of water agencies and large water consumers who are adapting to change by scaling up new solutions to water challenges.
- To solve our member's critical priorities, we recruit, evaluate, and co-fund pilot projects with our members to test and validate novel solutions from across the globe.
- Successful applicants are awarded contracts ranging from \$25,000 to 100,000 to deploy their technology with our members.
- Results captured from pilot projects are promoted among our wide network to help drive learning and collaboration opportunities across the global water industry.

Centralized Grants Management Office

The General Manager approved staff's plan to create Metropolitan's first Centralized Grants Management Office (CGMO). The main goals of a CGMO are to provide organizational leadership and oversight over grant policy, evaluation, administration, and training as well as to provide expertise on grant management systems and to streamline processes. The Coordinated Grants Management Office will provide services and support to Metropolitan groups throughout the agency. The office will increase Metropolitan's opportunities to acquire outside funding while reducing risks associated with grant management and compliance.

Full development of the CGMO with staffing support is expected to be completed by September 2023. Until then, staff has secured a contract with a consultant to assist with any urgent grant needs. The CGMO has already started coordination with Legal, Finance, Engineering, WRM, and WSO and is gathering feedback on the needs of each organization.

Environmental Planning Section

Core Business: Environmental Planning and Regulatory Compliance Support

Bay Delta Initiatives

Delta Smelt Preservation and Enhancement Project

• Prepared responses to public comments on the Mitigated Negative Declaration (MND) in preparation for the Board's consideration of MND adoption.

Delta Conveyance Project

- Continued supporting preparation of the Draft Environmental Impact Report (EIR) responses to comments for cultural resources and tribal cultural resources impact categories on behalf of Public Water Agencies.
- Continued coordination and support of meetings with regulatory agencies for permitting efforts.

Engineering Services Group

Copper Basin Discharge Valve Replacement and Access Road Improvements Project

• Supported execution of professional services agreement for pre-construction surveys and environmental construction monitoring and initiated preparations for environmental work during construction phase.

Etiwanda Pipeline Relining Project

• Continued oversight of project environmental construction monitoring.

71

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Prestressed Concrete Cylinder Pipe (PCCP) Rehabilitation Program

- Initiated construction monitoring for PCCP Second Lower Feeder Reach 3B.
- Continued construction monitoring for PCCP Second Lower Feeder Reach 3A and Lake Mathews Valve Storage Facility Project (see photos).



Noise Barrier Mitigation Measure at PCCP Second Lower Feeder Reach 3A Pipe Access Site



Lake Mathews PCCP Storage Facility under Construction

Perris Valley Pipeline

- Conducted a Workers Environmental Awareness Program training for the contractor and Metropolitan staff in support of environmental construction monitoring activities.
- Finalized the environmental construction monitoring checklist for project construction activities and initiated mitigation monitoring.

Pure Water Southern California Program

- Continued preparation of draft hydrology and water quality, paleontological resources, biological resources, traffic/transportation, and jurisdictional delineation technical reports for the Program EIR.
- Continued tribal cultural resources consultation.

(continued)

Weymouth Water Treatment Plant and La Verne Site Improvements PEIR

- Finalized technical studies for air quality/greenhouse gas and traffic/transportation resource categories.
- Continued preparation of the Administrative Draft Program EIR and the health risk analysis, noise, traffic, and site access technical reports.

Design Support

• Provided design review and support for the Weymouth Hazardous Waste and Storage Facility, Diemer North Slope Upgrades, and San Gabriel Tower Seismic Upgrades projects.

Construction Monitoring

• Continued environmental construction monitoring for Orange County Feeder Relining Reach 3, Weymouth Basins 5–8 Rehabilitation (see photos), La Verne Shops Upgrades, Weymouth Battery Energy Storage System, and Live Oak Reservoir Cathodic System Replacement projects.





Contractor Removing Internal Components at Basins 7 and 8 for the Weymouth Basins 5–8 Rehabilitation Project

External Affairs Group

- Conducted a tour of the Southwestern Riverside County Multi-Species Reserve for Secretary Wade Crowfoot, California Natural Resources Agency; Ted Craddock, Deputy Director, State Water Project; and Lisa Lien-Mager, Senior Advisor for Strategic Communications, California Natural Resources Agency.
- Provided legislative analysis for HR 520 (Amend Endangered Species Act of 1973) and AB 830 (Lake and Streambed Alteration Agreements).

Sustainability, Resilience and Innovation Office

Climate Action Plan (CAP) Monitoring and Reporting

- Continued preparation of the first annual CAP Progress Report.
- Finalized the natural gas equipment inventory usage survey and continued coordination of data gathering related to employee commute survey, net zero waste policies, and LED lighting inventory measures.

Reserve Management

Lake Mathews Multiple Species Reserve

- Conducted an Earth Day event on April 15 with local community volunteers, California Conservation Corps, and Waste Management, Inc. employees to clean up illegally dumped trash within reserve boundaries (see photo).
- Managed approximately 450 acres of grassland by mowing and grazing.
- Continued stinknet removal and treated 50 acres; approximately 175 acres have been treated this year.
- Continued coordination efforts with the Riverside County Sheriff's Office to prevent trespassing.

73

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Lake Mathews Earth Day Clean-Up

Southwestern Riverside County Multi-Species Reserve

- Conducted bird surveys; noted observations included rufous-crowned sparrow, coastal California gnatcatcher, Bell sparrow, least Bell's vireo, and Lawrence's goldfinch.
- Coordinated with researchers on the reserve surveying for white-tailed kite, Quino checkerspot butterfly, rare plants, Stephens' kangaroo rat, and riparian bird surveys.
- Reserve interpreter conducted outreach on the Wildflower Trail.
- Conducted weed abatement and invasive plant species removal.

External Document Reviews

• Reviewed seven CEQA notices for external projects and prepared comment letters for those that may affect Metropolitan facilities and/or operations.







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.

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Office of the General Counsel





Metropolitan Cases

County of Butte, et al. v. Department of Water Resources (Sacramento County Superior Court)

On April 7, 2023, the Third District Court of Appeal issued a decision in favor of the Department of Water Resources (DWR) in a lawsuit filed by Butte County, Plumas County and Plumas County Flood Control and Water Conservation District (collectively "Counties") under the California Environmental Quality Act (CEQA). The Counties' lawsuit challenged the environmental impact report (EIR) issued by DWR in conjunction with relicensing of the Lake Oroville hydroelectric facilities (Oroville Facilities) by the Federal Energy Regulatory Commission (FERC).

The Oroville Facilities are located on the Feather River in Butte County and include the Oroville Dam and Reservoir, Hyatt Powerplant and Thermalito Facilities. The Oroville Facilities are operated under a license first issued to DWR by FERC in 1957 with an initial term of 50 years. Since 2007, FERC has granted annual extensions of the license. Work to relicense the Oroville Facilities began in the late 1990s, with formal negotiations commencing in January 2001 under FERC's Alternative Licensing Procedure (ALP). In January 2005, DWR submitted its application for license renewal to FERC as ALP negotiations continued. Ultimately, those negotiations culminated in a Settlement Agreement (SA) containing recommended conditions for a new license, which was signed by over 50 stakeholders, including DWR, Metropolitan, other State Water Project (SWP) contractors, the City of Oroville, the Town of Paradise, various business and recreation interests, and several key federal and state regulatory agencies. On March 24, 2006, the SA was submitted to FERC as supplemental information in support of DWR's license application. From that point forward, the SA served as the "preferred alternative" for purposes of DWR's environmental review under CEQA.

The SA contains numerous provisions aimed at protecting and enhancing a wide variety of environmental, recreational and cultural resources potentially affected by relicensing of the Oroville Facilities. It also provides for the creation of a

\$60 million fund to support local projects benefitting the communities nearest to these facilities. Despite this, the Counties opted not to sign the SA, asserting that it did not adequately address certain impacts. Among other things, the Counties demanded over \$12 million per year in direct compensation for what they asserted were lost tax revenues resulting from operation and maintenance of Lake Oroville and the Oroville Facilities, which DWR rejected. In 2008, DWR certified the EIR and approved the project (i.e., the SA), and this litigation ensued. DWR was named as the primary defendant in the Counties' complaint; State Water Contractors, Inc., Metropolitan and other SWP contractors who were signatories to the SA (collectively "SWCs") were named as real parties in interest.

Following a three-day hearing, the trial court issued a decision upholding the EIR, which the Counties appealed. Initially, the Court of Appeal found that the Counties' CEQA claims were preempted by the Federal Power Act (FPA). The litigation then moved back and forth twice between the Court of Appeal and the Supreme Court of California on this particular issue. Ultimately, the California Supreme Court held that while the Counties could not challenge the environmental sufficiency of the SA or seek to unwind it, they nonetheless could challenge the sufficiency of DWR's EIR. Thus, this is the Court of Appeal's third decision in this case, but it is the first on the merits.

In affirming the trial court's decision, the Court of Appeal rejected various arguments advanced by the Counties, including an assertion that the EIR failed to properly evaluate the fiscal impacts associated with relicensing the Oroville Facilities. Over the years, the Counties have pressed similar economic claims in various fora, including at FERC and in federal court, without success. The current CEQA lawsuit, while couched in environmental terms, largely reflected a continuation of the Counties' historical disputes concerning these alleged economic impacts. Not surprisingly, the Court of Appeal rejected the Counties' claims, finding they failed "to demonstrate how these fiscal impacts are linked to physical changes in the environment." The Court of Appeal has awarded costs to DWR. The SWCs likewise plan to seek recovery of their attorneys' fees and costs.

As before, the Counties may seek review of this CEQA decision by the California Supreme Court. In addition, the Counties will have an opportunity to challenge the FERC license once it is issued by filing a federal lawsuit directly in the Ninth Circuit or the DC Circuit. However, it is our assessment that the Counties are unlikely to be successful in either venue. Accordingly, this decision represents a significant step toward finally obtaining a new 50-year license for the Oroville Facilities. To that end, the SWCs plan to send a letter to FERC informing it of the Court of Appeal's decision against the Counties and requesting that the license be issued without any further delay.

Association of Confidential Employees v. Metropolitan (Unfair Practice Charge filed with PERB)

On April 11, 2023, the Association of Confidential Employees (ACE) bargaining unit filed an unfair practice charge with the Public Employment Relations Board (PERB). The charge alleges an ACE representative was retaliated against by Metropolitan for engaging in protected bargaining unit activity.

Metropolitan disputes the charge and will file a position statement with PERB seeking a dismissal of the charge. The Legal Department has retained the Renne Public Law Group to represent Metropolitan.

Matters Impacting Metropolitan

EPA Seeks Input on Designating Additional PFAS as CERCLA Hazardous Substances

On April 13, 2023, the U.S. Environmental Protection Agency (EPA) issued an Advance Notice of Proposed Rulemaking (Advance Notice) asking the public for input and data regarding whether EPA should designate several per- and polyfluoroalkyl substances (PFAS) chemicals as hazardous substances under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), also known as "Superfund."

Specifically, EPA is considering designating the following seven PFAS as CERCLA hazardous substances: perfluorobutanesulfonic acid (PFBS), perfluorohexanesulfonic acid (PFHxS), perfluorononanoic acid (PFNA), hexafluoropropylene oxide dimer acid (HFPO-DA) (sometimes called GenX), perfluorobutanoic acid (PFBA), perfluorohexanoic acid (PFHxA), and perfluorodecanoic acid (PFDA). These seven PFAS chemicals were identified based on the availability of toxicity information previously reviewed by EPA and other federal agencies.

In addition, EPA is considering designating as CERCLA hazardous substances: (1) precursors to perfluorooctanoic acid (PFOA), perfluorooctanesulfonic acid (PFOS) and the seven other PFAS; and (2) certain groups or categories of PFAS. According to EPA, a "group or category" refers to a set of PFAS that share one or more similar characteristics. Characteristics of interest could include, but are not limited to, chemical

structure (e.g., carbon chain length, functional group), physical and chemical properties, mode of toxicological action, precursors or degradants, or co-occurrence.

To help inform its decision making regarding these potential designations, EPA asks for input on twelve specific technical questions and topics. Comments must be received on or before June 12, 2023.

Previously, on September 6, 2022, EPA proposed designating PFOA and PFOS, including their salts and structural isomers, as CERCLA hazardous substances. Designating PFOA and PFOS as CERCLA hazardous substances would allow EPA to seek to recover cleanup costs for PFOA or PFOS contamination from a potentially responsible party (PRP) or to require such a party to conduct the cleanup. In addition, private parties that conduct cleanups of PFOA and PFOS contamination consistent with the National Oil and Hazardous Substances Contingency Plan (NCP) could recover their cleanup costs from other PRPs. Under CERCLA's strict liability (meaning it is without fault), joint and several liability. and retroactive liability scheme, any party who disposes of hazardous substances, even in minute quantities, and even if the disposal was legal at the time, may be considered a PRP and could be held liable for the entire cleanup of a site (when the harm caused by multiple parties cannot be separated).

(https://www.epa.gov/enforcement/superfund-liability.) Thus, designating PFAS as CERCLA

hazardous substances could result in a significant increase in expensive and lengthy Superfund litigation.

The strict liability for clean-up in this case can result in the transfer of responsibility and economic impact from polluters to public or private water and wastewater entities. However, Metropolitan's relevant Policy Principle supports the "polluter pays" principle such that parties responsible for introducing contaminants in or near drinking water sources are held liable for cleanup rather than drinking water and wastewater facilities or entities

that subsequently store, transport, or treat the water.

EPA is expected to issue a final rule designating PFOA and PFOS as CERCLA hazardous substances by August 2023. Metropolitan staff submitted comments on EPA's proposed designation of PFOA and PFOS as CERCLA hazardous substances and will continue to monitor and comment on EPA's rulemaking process as to the proposed designation of other PFAS as CERCLA hazardous substances. (See General Counsel's August 2022 Activity Report.)

Matters Received

<u>Category</u>	Received	<u>Description</u>	
Action in which MWD is a party	1	Property and (2) General Superior Court, in the cas 2023-00009934-CU-PO-C	or (1) Dangerous Conditions of Public Negligence, filed in San Diego County e Mark Oswalt v. MWD, Case No. 37 CTL, relating to alleged injuries and e located near or on a Metropolitan alifornia
Government Code Claims	1	Subrogation claim relating	to an accident involving an MWD vehicle
Subpoenas	2	of Documents and Things person(s) most qualified a relating to Metropolitan's of pinhole leaks, water qualified supplied to Santa Margari CalAtlantic Group, LLC in Corporation, et al., Orang 2015-00806712-CU-CD-C	for Personal Appearance and Production seeking the deposition of Metropolitan's and for the production of documents corrosion testing, copper pipe pitting and/or by data and testing of water for water ta Water District, served by the defendant the case Fish, et al. v. Standard Pacific e County Superior Court, Case No. 30-CXC, and (2) Subpoena for employmenter before the Workers' Compensation
Requests Pursuant to	11	Requestor	Documents Requested
the Public Records Act		CCS Global Tech (4 requests)	Scoring, proposal and contract documents for (1) Oracle Enterprise Business Suite (EBS) Module Implementation, (2) Cloud Based Inventory Management System, (3) Enterprise Data Analytics, and (4) Dam Safety Monitoring Instrumentation and Data Management Services
		Kier & Wright Civil Engineers and Surveyors	Water utility maps that show MWD's pipes near project on Garfield Avenue in Commerce
		O-S-Pro Telecom Solutions	Records on depth of MWD water line along Barranca Parkway

<u>Requestor</u>	Documents Requested
Private Citizen	Records relating to application for turf removal rebate submitted in 2014 by the Ranch Santa Fe Association for the Rancho Santa Fe Golf Club
Satwic	Proposal and contract documents for On-call IT Services
Telecom Law Firm	Copies of all active cell/wireless site leases on MWD property
Transparent California	MWD Employee Compensation Report for 2022
Undergraduate Researcher, University of California Merced	Historical water rates for agriculture starting from the 2000s through current

PLEASE NOTE

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

Bay-Delta and SWP Litigation

Consolidated DCP Revenue Bond Validation Action and CEQA Case

Sierra Club, et al. v. California Department of Water Resources (CEQA, designated as lead case)

DWR v. All Persons Interested (Validation)

Sacramento County Superior Ct. (Judge Kenneth C. Mennemeier)

Validation Action

- Metropolitan, Mojave Water Agency, Coachella Valley Water District, and Santa Clarita Valley Water Agency have filed answers in support
- Kern County Water Agency, Tulare Lake Basin Water Storage District, Oak Flat Water District, County of Kings, Kern Member Units & Dudley Ridge Water District, and City of Yuba City filed answers in opposition
- North Coast Rivers Alliance et al., Howard Jarvis Taxpayers Association, Sierra Club et al., County of Sacramento & Sacramento County Water Agency, CWIN et al., Clarksburg Fire Protection District, Delta Legacy Communities, Inc, and South Delta Water Agency & Central Delta Water Agency have filed answers in opposition
- Case ordered consolidated with the DCP Revenue Bond CEQA Case for pre-trial and trial purposes and assigned to Judge Earl for all purposes
- DWR's motions for summary judgment re CEQA affirmative defenses granted; crossmotions by opponents denied
- Dec. 9, 2022 DWR's motion for summary adjudication of Delta Reform Act and public trust doctrine affirmative defenses granted; NCRA's motion for summary judgment re same denied
- Trial on the merits set for May 15-18, 2023

CEQA Case

- Sierra Club, Center for Biological Diversity, Planning and Conservation League, Restore the Delta, and Friends of Stone Lakes National Wildlife Refuge filed a standalone CEQA lawsuit challenging DWR's adoption of the bond resolutions
- Alleges DWR violated CEQA by adopting bond resolutions before certifying a Final EIR for the Delta Conveyance Project
- Cases ordered consolidated for all purposes
- DWR's motion for summary judgment granted; Sierra Club's motion denied

Subject **Status** SWC intervened in both PCFFA and **SWP-CVP 2019 BiOp Cases** CNRA cases Pacific Coast Fed'n of Fishermen's Ass'ns, et al. v. Federal defendants reinitiated consultation Raimondo, et al. (PCFFA) on Oct 1, 2021 February 24, 2023 court approved the Calif. Natural Resources Agency, et al. v. 2023 Interim Operations Plan proposed by Raimondo, et al. (CNRA) federal defendants and state plaintiffs, denied all alternative proposed operations Federal District Court, Eastern Dist. of California, and extended the stay until December 31, Fresno Division 2023 (Judge Thurston) **CESA Incidental Take Permit Cases** All 8 cases ordered coordinated in Sacramento County Superior Court Coordinated Case Name CDWR Water Stay on discovery issued until coordination **Operations Cases, JCCP 5117** trial judge orders otherwise (Coordination Trial Judge Gevercer) All four Fresno cases transferred to Sacramento to be heard with the four other Metropolitan & Mojave Water Agency v. Calif. Dept. coordinated cases of Fish & Wildlife, et al. (CESA/CEQA/Breach of Contract) Certified administrative records lodged March 4, 2022 State Water Contractors & Kern County Water State Water Contractors et al. granted leave to Agency v. Calif. Dept. of Fish & Wildlife, et al. intervene in Sierra Club. North Coast Rivers (CESA/CEQA) Alliance, Central Delta Water Agency, and San Francisco Baykeeper cases by stipulation Tehama-Colusa Canal Auth., et al. v. Calif. Dept. of SWC, et al. granted leave to intervene as Water Resources (CEQA) respondents in Tehama-Colusa Canal Auth... et al. v. Calif. Dept. of Water Resources CEQA San Bernardino Valley Municipal Water Dist. v. case Calif. Dept. of Water Resources, et al. (CEQA/CESA/ Breach of Contract/Takings) SWC's renewed motion to augment the administrative records granted in part; a court-Sierra Club, et al. v. Calif. Dept. of Water Resources appointed referee will review withheld records (CEQA/Delta Reform Act/Public Trust) to determine if the deliberative process privilege applies North Coast Rivers Alliance, et al. v. Calif. Dept. of Water Resources (CEQA/Delta Reform Act/Public Trust) Central Delta Water Agency, et. al. v. Calif. Dept. of

Date of Report: May 1, 2023

Water Resources (CEQA/Delta Reform Act/Public Trust/ Delta Protection Acts/Area of Origin)

San Francisco Baykeeper, et al. v. Calif. Dept. of

Water Resources, et al. (CEQA/CESA)

CDWR Environmental Impact Cases Sacramento Superior Ct. Case No. JCCP 4942, 3d DCA Case No. C091771 (20 Coordinated Cases)

Validation Action

DWR v. All Persons Interested

CEQA 17 cases

CESA/Incidental Take Permit 2 cases

(Judge Arguelles)

- Cases dismissed after DWR rescinded project approval, bond resolutions, decertified the EIR, and CDFW rescinded the CESA incidental take permit
- January 10, 2020 Nine motions for attorneys' fees and costs denied in their entirety
- Parties have appealed attorneys' fees and costs rulings
- May 11, 2022, court of appeal reversed the trial court's denial of attorney fees and costs in an unpublished opinion
- Opinion ordered published
- Coordinated cases remitted to trial court for re-hearing of fee motions consistent with the court of appeal's opinion
- Sept.15, 2023 re-hearing on fee motions

COA Addendum/ No-Harm Agreement

North Coast Rivers Alliance v. DWR Sacramento County Superior Ct. (Judge Rockwell)

- Plaintiffs allege violations of CEQA, Delta Reform Act & public trust doctrine
- USBR Statement of Non-Waiver of Sovereign Immunity filed September 2019
- Westlands Water District and North Delta Water Agency granted leave to intervene
- Metropolitan & SWC monitoring
- Deadline to prepare administrative record extended to Nov. 18, 2022

Delta Plan Amendments and Program EIR 1 of 4 Consolidated Cases Sacramento County Superior Ct. remaining on appeal Court of Appeal for the Third App. Dist. Case No. C097948 North Coast Rivers Alliance, et al. v. Delta Stewardship Council

- Cases challenge, among other things, the Delta Plan Updates recommending dual conveyance as the best means to update the SWP Delta conveyance infrastructure to further the coequal goals
- Allegations relating to "Delta pool" water rights theory and public trust doctrine raise concerns for SWP and CVP water supplies
- Cases consolidated for pre-trial and trial under North Coast Rivers Alliance v. Delta Stewardship Council
- SWC granted leave to intervene
- Metropolitan supports SWC
- Nov. 7, 2022 court ruled in favor of Delta Stewardship Council on all claims
- Orders denying all claims and final judgments entered Nov. 22, 2022
- Notice of appeal filed in North Coast Rivers Alliance, et al. case

	1
	Parties in the other three cases settled with the Delta Stewardship Council
SWP Contract Extension Validation Action Court of Appeal for the Third App. Dist. Case No. C096316 DWR v. All Persons Interested in the Matter, etc.	 DWR seeks a judgment that the Contract Extension amendments to the State Water Contracts are lawful Metropolitan and 7 other SWCs filed answers in support of validity to become parties Jan. 5-7, 2022 Hearing on the merits held with CEQA cases, below Final statement of decision in DWR's favor filed March 9, 2022 Final judgment entered and served C-WIN et al., County of San Joaquin et al. and North Coast Rivers Alliance et al. filed notices of appeal Validation and CEQA cases consolidated on appeal Briefing schedule set by stipulation with estimated completion in April or May 2023
SWP Contract Extension CEQA Cases Court of Appeal for the Third App. Dist. Case Nos. C096384 & C096304 North Coast Rivers Alliance, et al. v. DWR Planning & Conservation League, et al. v. DWR	 Petitions for writ of mandate alleging CEQA and Delta Reform Act violations filed on January 8 & 10, 2019 Deemed related to DWR's Contract Extension Validation Action and assigned to Judge Culhane Administrative Record completed DWR filed its answers on September 28, 2020 Metropolitan, Kern County Water Agency and Coachella Valley Water District have intervened and filed answers in the two CEQA cases Final statement of decision in DWR's favor denying the writs of mandate filed March 9, 2022 Final judgments entered and served North Coast Rivers Alliance et al. and PCL et al. filed notices of appeal Appeals consolidated with the validation action above

Delta Conveyance Project Soil Exploration Cases

Central Delta Water Agency, et al. v. DWR Sacramento County Superior Ct. (Judge Chang)

Central Delta Water Agency, et al. v. DWR (II), Sacramento County Super. Ct. (Judge Acquisto)

- Original case filed August 10, 2020; new case challenging the second addendum to the CEQA document filed Aug. 1, 2022
- Plaintiffs Central Delta Water Agency, South Delta Water Agency and Local Agencies of the North Delta
- One cause of action alleging that DWR's adoption of an Initial Study/Mitigated Negative Declaration (IS/MND) for soil explorations needed for the Delta Conveyance Project violates CEQA
- March 24, 2021 Second Amended Petition filed to add allegation that DWR's addendum re changes in locations and depths of certain borings violates CEQA
- DWR's petition to add the 2020 CEQA case to the *Department of Water Resources Cases*, JCCP 4594, San Joaquin County Superior Court denied
- Hearing on the merits held Oct.13, 2022
- Dec. 2, 2022 ruling on the merits granting the petition with respect to two mitigation measures and denying on all other grounds
- Dec. 23, 2022 court order directing DWR to address the two mitigation measures within 60 days while declining to order DWR to vacate the IS/MND
- March 27, 2023 court entered judgment and issued a writ after ordering and considering supplemental briefing

Water Management Tools Contract Amendment

California Water Impact Network et al. v. DWR Sacramento County Superior Ct. (Judge Aquisto)

North Coast Rivers Alliance, et al. v. DWR Sacramento County Super. Ct. (Judge Aquisto)

- Filed September 28, 2020
- CWIN and Aqualliance allege one cause of action for violation of CEQA
- NCRA et al. allege four causes of action for violations of CEQA, the Delta Reform Act, Public Trust Doctrine and seeking declaratory relief
- SWC motion to intervene in both cases granted
- Dec. 20, 2022 DWR filed notice of certification of the administrative record and filed answers in both cases

	San Diego (County Water Authority v. Metropolitan, et al.
Cases	Date	Status
2010, 2012	Aug. 13-14, 2020	Final judgment and writ issued. Transmitted to the Board on August 17.
	Sept. 11	Metropolitan filed notice of appeal of judgment and writ.
	Jan. 13, 2021	Court issued order finding SDCWA is the prevailing party on the Exchange Agreement, entitled to attorneys' fees and costs under the contract.
	Feb. 10	Court issued order awarding SDCWA statutory costs, granting SDCWA's and denying Metropolitan's related motions.
	Feb. 16	Per SDCWA's request, Metropolitan paid contract damages in 2010-2012 cases judgment and interest. Metropolitan made same payment in Feb. 2019, which SDCWA rejected.
	Feb. 25	Metropolitan filed notice of appeal of Jan. 13 (prevailing party on Exchange Agreement) and Feb. 10 (statutory costs) orders.
	Sept. 21	Court of Appeal issued opinion on Metropolitan's appeal regarding final judgment and writ, holding: (1) the court's 2017 decision invalidating allocation of Water Stewardship Rate costs to transportation in the Exchange Agreement price and wheeling rate applied not only to 2011-2014, but also 2015 forward; (2) no relief is required to cure the judgment's omission of the court's 2017 decision that allocation of State Water Project costs to transportation is lawful; and (3) the writ is proper and applies to 2015 forward.
	Mar. 17, 2022	Court of Appeal unpublished decision affirming orders determining SDCWA is the prevailing party in the Exchange Agreement and statutory costs.
	Mar. 21	Metropolitan paid SDCWA \$14,296,864.99 for attorneys' fees and \$352,247.79 for costs, including interest.
	July 27	Metropolitan paid SDCWA \$411,888.36 for attorneys' fees on appeals of post-remand orders.
2014, 2016	Aug. 28, 2020	SDCWA served first amended (2014) and second amended (2016) petitions/complaints.
	Sept. 28	Metropolitan filed demurrers and motions to strike portions of the amended petitions/complaints.

Cases	Date	Status
2014, 2016 (cont.)	Sept. 28-29	Member agencies City of Torrance, Eastern Municipal Water District, Foothill Municipal Water District, Las Virgenes Municipal Water District, Three Valleys Municipal Water District, Municipal Water District of Orange County, West Basin Municipal Water District, and Western Municipal Water District filed joinders to the demurrers and motions to strike.
	Feb. 16, 2021	Court issued order denying Metropolitan's demurrers and motions to strike, allowing SDCWA to retain contested allegations in amended petitions/complaints.
	March 22	Metropolitan filed answers to the amended petitions/complaints and cross-complaints against SDCWA for declaratory relief and reformation, in the 2014, 2016 cases.
	March 22-23	Member agencies City of Torrance, Eastern Municipal Water District, Foothill Municipal Water District, Las Virgenes Municipal Water District, Three Valleys Municipal Water District, Municipal Water District of Orange County, West Basin Municipal Water District, and Western Municipal Water District filed answers to the amended petitions/complaints in the 2014, 2016 cases.
	April 23	SDCWA filed answers to Metropolitan's cross-complaints.
	Sept. 30	Based on the Court of Appeal's Sept. 21 opinion (described above), and the Board's Sept. 28 authorization, Metropolitan paid \$35,871,153.70 to SDCWA for 2015-2017 Water Stewardship Rate charges under the Exchange Agreement and statutory interest.
2017	July 23, 2020	Dismissal without prejudice entered.
2018	July 28, 2020	Parties filed a stipulation and application to designate the case complex and related to the 2010-2017 cases, and to assign the case to Judge Massullo's court.
	Nov. 13	Court ordered case complex and assigned to Judge Massullo's court.
	April 21, 2021	SDCWA filed second amended petition/complaint.
	May 25	Metropolitan filed motion to strike portions of the second amended petition/complaint.
	May 25-26	Member agencies City of Torrance, Eastern Municipal Water District, Foothill Municipal Water District, Las Virgenes Municipal Water District, Three Valleys Municipal Water District, Municipal Water District of Orange County, West Basin Municipal Water District, and Western Municipal Water District filed joinders to the motion to strike.

Cases	Date	Status
2018 (cont.)	July 19	Court issued order denying Metropolitan's motion to strike portions of the second amended petition/complaint.
	July 29	Metropolitan filed answer to the second amended petition/complaint and cross-complaint against SDCWA for declaratory relief and reformation.
	July 29	Member agencies City of Torrance, Eastern Municipal Water District, Foothill Municipal Water District, Las Virgenes Municipal Water District, Three Valleys Municipal Water District, Municipal Water District of Orange County, West Basin Municipal Water District, and Western Municipal Water District filed answers to the second amended petition/complaint.
	Aug. 31	SDCWA filed answer to Metropolitan's cross-complaint.
	April 11, 2022	Court entered order of voluntary dismissal of parties' WaterFix claims and cross-claims.
2014, 2016, 2018	June 11, 2021	Deposition of non-party witness.
	Aug. 25	Hearing on Metropolitan's motion for further protective order regarding deposition of non-party witness.
	Aug. 25	Court issued order consolidating the 2014, 2016, and 2018 cases for all purposes, including trial.
	Aug. 30	Court issued order granting Metropolitan's motion for a further protective order regarding deposition of non-party witness.
	Aug. 31	SDCWA filed consolidated answer to Metropolitan's cross-complaints in the 2014, 2016, and 2018 cases.
	Oct. 27	Parties submitted to the court a joint stipulation and proposed order staying discovery through Dec. 8 and resetting pre-trial deadlines.
	Oct. 29	Court issued order staying discovery through Dec. 8 and resetting pretrial deadlines, while the parties discuss the prospect of settling some or all remaining claims and crossclaims.
	Jan. 12, 2022	Case Management Conference. Court ordered a 35-day case stay to allow the parties to focus on settlement negotiations, with weekly written check-ins with the court; and directed the parties to meet and confer regarding discovery and deadlines.
	Feb. 22	Court issued order resetting pre-trial deadlines as proposed by the parties.
	Feb. 22	Metropolitan and SDCWA each filed motions for summary adjudication.

Cases	Date	Status
2014, 2016, 2018 (cont.)	April 13	Hearing on Metropolitan's and SDCWA's motions for summary adjudication.
	April 18	Parties filed supplemental briefs regarding their respective motions for summary adjudication, as directed by the court.
	April 18	Court issued order resetting pre-trial deadlines as proposed by the parties.
	April 29	Parties filed pre-trial briefs.
	April 29	Metropolitan filed motions in limine.
	May 4	Court issued order granting Metropolitan's motion for summary adjudication on cross-claim for declaratory relief that the conveyance facility owner, Metropolitan, determines fair compensation, including any offsetting benefits; and denying its motion on certain other cross-claims and an affirmative defense.
	May 11	Court issued order granting SDCWA's motion for summary adjudication on cross-claim for declaratory relief in the 2018 case regarding lawfulness of the Water Stewardship Rate's inclusion in the wheeling rate and transportation rates in 2019-2020; certain cross-claims and affirmative defenses on the ground that Metropolitan has a duty to charge no more than fair compensation, which includes reasonable credit for any offsetting benefits, with the court also stating that whether that duty arose and whether Metropolitan breached that duty are issues to be resolved at trial; affirmative defenses that SDCWA's claims are untimely and SDCWA has not satisfied claims presentation requirements; affirmative defense in the 2018 case that SDCWA has not satisfied contract dispute resolution requirements; claim, crossclaims, and affirmative defenses regarding applicability of Proposition 26, finding that Proposition 26 applies to Metropolitan's rates and charges, with the court also stating that whether Metropolitan violated Proposition 26 is a separate issue; and cross-claims and affirmative defenses regarding applicability of Government Code section 54999.7, finding that section 54999.7 applies to Metropolitan's rates. Court denied SDCWA's motion on certain other cross-claims and affirmative defenses.
	May 13	Pre-trial conference; court denied Metropolitan's motions in limine.
	May 16	Court issued order setting post-trial brief deadline and closing arguments.
	May 16-27	Trial occurred but did not conclude.
	May 23, June 21	SDCWA filed motions in limine.

Cases	Date	Status
2014, 2016, 2018 (cont.)	May 26, June 24	Court denied SDCWA's motions in limine.
	June 3, June 24, July 1	Trial continued, concluding on July 1.
	June 24	SDCWA filed motion for partial judgment.
	July 15	Metropolitan filed opposition to motion for partial judgment.
	Aug. 19	Post-trial briefs filed.
	Sept. 14	Court issued order granting in part and denying in part SDCWA's motion for partial judgment (granting motion as to Metropolitan's dispute resolution, waiver, and consent defenses; denying motion as to Metropolitan's reformation cross-claims and mistake of fact and law defenses; and deferring ruling on Metropolitan's cost causation cross-claim).
	Sept. 21	Metropolitan filed response to order granting in part and denying in part SDCWA's motion for partial judgment (requesting deletion of Background section portion relying on pleading allegations).
	Sept. 22	SDCWA filed objection to Metropolitan's response to order granting in part and denying in part SDCWA's motion for partial judgment.
	Sept. 27	Post-trial closing arguments.
	Oct. 20	Court issued order that it will rule on SDCWA's motion for partial judgment as to Metropolitan's cost causation cross-claim simultaneously with the trial statement of decision.
	Dec. 16	The parties' filed proposed trial statements of decision.
	Dec. 21	SDCWA filed the parties' stipulation and proposed order for judgment on Water Stewardship Rate claims for 2015-2020.
	Dec. 27	Court entered order for judgment on Water Stewardship Rate claims for 2015-2020 as proposed by the parties.
	March 14, 2023	Court issued tentative statement of decision (tentatively ruling in Metropolitan's favor on all claims litigated at trial, except for those ruled to be moot based on the rulings in Metropolitan's favor)
	March 14	Court issued amended order granting in part and denying in part SDCWA's motion for partial judgment (ruling that Metropolitan's claims for declaratory relief regarding cost causation are not subject to court review).
	March 29	SDCWA filed objections to tentative statement of decision

	April 3	Metropolitan filed response to amended order granting in part and denying in part SDCWA's motion for partial judgment (requesting deletion of Background section portion relying on pleading allegations).
	April 25	Court issued statement of decision (ruling in Metropolitan's favor on all claims litigated at trial, except for those ruled to be moot based on the rulings in Metropolitan's favor)
All Cases	April 15, 2021	Case Management Conference on 2010-2018 cases. Court set trial in 2014, 2016, and 2018 cases on May 16-27, 2022.
	April 27	SDCWA served notice of deposition of non-party witness.
	May 13-14	Metropolitan filed motions to quash and for protective order regarding deposition of non-party witness.
	June 4	Ruling on motions to quash and for protective order.

Outside Counsel Agreements								
Firm Name	Matter Name	Agreement No.	Effective Date	Contract Maximum				
Andrade Gonzalez LLP	MWD v. DWR, CDFW and CDNR Incidental Take Permit (ITP) CESA/CEQA/Contract Litigation	185894	07/20	\$250,000				
Aleshire & Wynder	Oil, Mineral and Gas Leasing	174613	08/18	\$50,000				
Atkinson Andelson	Employee Relations	59302	04/04	\$1,214,517				
Loya Ruud & Romo	Delta Conveyance Project Bond Validation-CEQA Litigation	185899	09/21	\$250,000				
	MWD Drone and Airspace Issues	193452	08/20	\$50,000				
	Equal Employee Opportunity Commission Charge	200462	03/21	\$20,000				
	DFEH Charge (DFEH Number 202102-12621316)	201882	07/01/21	\$25,000				
	AFSCME Local 1902 in Grievance No. 1906G020 (CSU Meal Period)	201883	07/12/21	\$30,000				
	AFSCME Local 1902 v. MWD, PERB Case No. LA-CE-1438-M	201889	09/15/21	\$20,000				
	MWD MOU Negotiations**	201893	10/05/21	\$100,000				
	DFEH Charge (DFEH Number 202109-14694608)	203460	02/22	\$35,000				
Best, Best & Krieger	Navajo Nation v. U.S. Department of the Interior, et al.	54332	05/03	\$185,000				
	Bay-Delta Conservation Plan/Delta Conveyance Project (with SWCs)	170697	08/17	\$500,000				
	Environmental Compliance Issues	185888	05/20	\$100,000				
	Pure Water Southern California	207966	11/22	\$100,000				
Blooston, Mordkofsky, Dickens, Duffy & Prendergast, LLP	FCC and Communications Matters	110227	11/10	\$100,000				
Brown White & Osborn LLP	HR Matter	203450	03/22	\$50,000				

Firm Name	Matter Name	Agreement No.	Effective Date	Contract Maximum
Buchalter, a Professional Corp.	Union Pacific Industry Track Agreement	193464	12/07/20	\$50,000
Burke, Williams & Sorensen, LLP	Real Property – General	180192	01/19	\$100,000
Solelisell, LLF	Labor and Employment Matters	180207	04/19	\$75,000
	General Real Estate Matters	180209	08/19	\$200,000
	Rancho Cucamonga Condemnation Actions (Grade Separation Project)	207970	05/22	\$100,000
Law Office of Alexis S.M. Chiu*	Bond Counsel	200468	07/21	N/A
Cislo & Thomas LLP	Intellectual Property	170703	08/17	\$75,000
Cummins & White LLP	Board Advice	207941	05/22	\$10,000
Curls Bartling P.C.*	Bond Counsel	200470	07/21	N/A
Duane Morris LLP	SWRCB Curtailment Process	138005	09/14	\$615,422
Duncan, Weinberg, Genzer & Pembroke	Power Issues	6255	09/95	\$3,175,000
Ellison, Schneider, Harris & Donlan	Colorado River Issues	69374	09/05	\$175,000
Harris & Dornari	Issues re SWRCB	84457	06/07	\$200,000
Greines, Martin, Stein & Richland LLP	SDCWA v. MWD	207958	10/22	\$100,000
α Nicilialia LLF	Colorado River Matters	207965	11/22	\$100,000
Haden Law Office	Real Property Matters re Agricultural Land	180194	01/19	\$50,000

Firm Name	Matter Name	Agreement No.	Effective Date	Contract Maximum
Hanson Bridgett LLP	SDCWA v. MWD	124103	03/12	\$1,100,000
	Finance Advice	158024	12/16	\$100,000
	Deferred Compensation/HR	170706	10/17	\$500,000
	Tax Issues	180200	04/19	\$50,000
	Alternative Project Delivery (ADP)	207961	10/22	\$250,000
	Faith v. MWD	207963	10/22	\$100,000
Hausman & Sosa, LLP	MOU Hearing Officer Appeal	201892	09/21	\$95,000
	MOU Hearing Officer Appeal	207949	07/22	\$25,000
Hawkins Delafield & Wood LLP*	Bond Counsel	193469	07/21	N/A
Horvitz & Levy	SDCWA v. MWD	124100	02/12	\$1,250,000
	General Appellate Advice	146616	12/15	\$100,000
	Colorado River	203464	04/22	\$100,000
Innovative Legal Services, P.C.	Employment Matter	211915	01/19/23	\$100,000
Internet Law Center	Cybersecurity and Privacy Advice and Representation	200478	04/13/21	\$100,000
	Systems Integrated, LLC v. MWD	201875	05/17/21	\$65,000
Amira Jackmon, Attorney at Law*	Bond Counsel	200464	07/21	N/A
Jackson Lewis P.C.	Employment: Department of Labor Office of Contract Compliance	137992	02/14	\$45,000
Jones Hall, A Professional Law Corp*	Bond Counsel	200465	07/21	N/A
Kegel, Tobin & Truce	Workers' Compensation	180206	06/19	\$250,000
Kutak Rock LLP	Delta Islands Land Management	207959	10/22	\$10,000

Firm Name	Matter Name	Agreement No.	Effective Date	Contract Maximum
Liebert Cassidy Whitmore	Labor and Employment	158032	02/17	\$229,724
willunore	FLSA Audit	180199	02/19	\$50,000
Manatt, Phelps & Phillips	SDCWA v. MWD rate litigation	146627	06/16	\$4,400,000
TTIIIIps	Raftelis - Subcontractor of Manatt, Agr. No. 146627: Pursuant to 05/02/22 Engagement Letter between Manatt, Phelps & Phillips and Raftelis Financial Consultants, Inc., MWD paid Raftelis Financial Consultants, Inc.	Invoice No. 23949		\$56,376.64 for expert services & reimbursable expenses in SDCWA v. MWD
Meyers Nave Riback Silver & Wilson	OCWD v. Northrop Corporation	118445	07/11	\$2,300,000
Sliver & Wilson	Pure Water Southern California	207967	11/22	\$100,000
	PFAS Compliance Issues	207968	11/14/22	\$100,000
Miller Barondess, LLP	SDCWA v. MWD	138006	12/14	\$600,000
Morgan, Lewis & Bockius	SDCWA v. MWD	110226	07/10	\$8,750,000
DOCKIUS	Project Labor Agreements	200476	04/21	\$100,000
Musick, Peeler & Garrett LLP	Colorado River Aqueduct Electric Cables Repair/Contractor Claims	193461	11/20	\$1,700,000
	Arvin-Edison v. Dow Chemical	203452	01/22	\$100,000
	Semitropic TCP Litigation	207954	09/22	\$75,000
Nixon Peabody LLP*	Special Finance Project	207960	10/22	\$50,000
Norton Rose Fulbright US LLP*	Bond Counsel	200466	07/21	N/A
Olson Remcho LLP	Government Law	131968	07/14	\$400,000
	Executive Committee/Ad Hoc Committees Advice	207947	08/22	\$60,000
	Public Records Act	207950	08/22	\$45,000

Firm Name	Matter Name	Agreement No.	Effective Date	Contract Maximum
Paul Hastings LLP	MWD v. California Department of Fish and Wildlife	207969	3/23	\$100,000
Rains Lucia Stern St. Phalle & Silver, PC	Employment Matter	<u>211919</u>	4/23	<u>\$60,000</u>
Renne Public Law Group, LLP	ACE v. MWD (PERB Case No. LA-CE-1574-M)	203466	05/22	\$80,000
	MOU Hearing Officer Appeal	203948 207948	07/22	\$100,000
	ACE v. MWD (PERB Case No. LA-CE-1611-M)	207962	10/22	\$50,000
Ryan & Associates	Leasing Issues	43714	06/01	\$200,000
Seyfarth Shaw LLP	Claim (Contract #201897)	201897	11/04/21	\$200,000
	Claim (Contract #203436)	203436	11/15/21	\$350,000
	Claim (Contract #203454)	203454	01/22	\$160,000
	Claim (Contract #203455)	203455	10/21	\$175,000
	Reese v. MWD	207952	11/22	\$400,000
	General Labor/Employment Advice	211917	<u>3/23</u>	<u>\$100,000</u>
Sheppard Mullin Richter & Hampton	Rivers v. MWD	207946	07/22	\$100,000
Stradling Yocca Carlson & Rauth*	Bond Counsel	200471	07/21	N/A
Theodora Oringher PC	Construction Contracts - General Conditions Update	185896	07/20	\$100,000
Thompson Coburn LLP	FERC Representation re Colorado River Aqueduct Electrical Transmission System	122465	12/11	\$100,000
	NERC Energy Reliability Standards	193451	08/20	\$100,000

Van Ness Feldman, LLP General Litigation Colorado River MS	General Litigation	170704	07/18	\$50,000
	Colorado River MSHCP	180191	01/19	\$50,000
	Bay-Delta and State Water Project Environmental Compliance	193457	10/15/20	\$50,000
Western Water and Energy	California Independent System Operator-Related Matters	193463	11/20/20	\$100,000

^{*}Expenditures paid by Bond Proceeds/Finance **Expenditures paid by another group



General Auditor's Report for April 2023

Summary

This report highlights significant activities of the Office of the General Auditor for the month ended April 30, 2023.

Audit & Advisory Services

Thirteen projects are in progress and two projects are in the reporting phase.

No final audit reports were issued during this period.

Additionally, we provided advisory services upon request in three instances.

Other General Auditor Activities

1. General Auditor Project Report Format & Content Revisions

Completed. Changes to the General Auditor project reporting format and content were completed and will be deployed in upcoming audit project reporting.

2. Follow-Up Audits

Completed. Procedures for follow-up audits were revised to include a standardized follow-up process on all audit recommendations issued.

3. La Verne Facility & Weymouth Water Treatment Plant Visit

Gained an understanding of Metropolitan Water System Operations including Water Treatment, Manufacturing Services, Engineering Services, and Water Quality.

4. Risk Assessment Update

The General Auditor's risk assessment methodology is being refreshed and will be presented at the May Subcommittee on Audits, including solicitation of risk areas and internal control concerns.

5. General Auditor Department Assessment

The new general auditor is conducting a department assessment that will result in a strategic plan driving future focus and optimal service delivery.

6. Audit Project Management System Upgrade

Coordination with the application vendor is in progress to upgrade the Office of the General Auditor's project management system to a secure, web-based, software-as-a-service solution.

Date of Report: April 30, 2023



Ethics Office Monthly Report

APRIL 2023

EDUCATION

Provided two ethics orientation sessions to new employees.

COMPLIANCE

Assisted Board members and employees with their Annual, Assuming Office, and Leaving Office Form 700 filings. Assistance included filing for multiple positions, troubleshooting the electronic filing system, and notifications of deadlines.

Monitored the status of past due Assuming Office and Leaving Office Form 700 filings. Sent notices to two current employees and four former employees; obtained compliance from one current employee and two former employees.

ADVICE

Addressed 17 advice matters involving: conflicts of interest, revolving door, financial disclosure, gifts, and other ethics-related topics.

INVESTIGATIONS

Responded to eight complaints involving the following allegations:

- Retaliation
- Race and gender discrimination and/or harassment
- Bullying and/or harassment
- Fraud and/or theft
- Workplace safety

Referred EEO-related complaints to the EEO Office.

ETHICS OFFICER FINDING

After an internal investigation by Ethics Office staff, the Ethics Officer determined that an employee failed to file their Assuming Office Form 700 in violation of Administrative Code section 7118. The finding was forwarded to Human Resources and management for consideration of any appropriate action. The employee has since filed their Form 700.

ADVICE AND INVESTIGATIVE DATA

Advice Matters	17
Compliance Assistance	59
Complaints Received	8
Investigations Opened	0
Pending Investigations	12

MINUTES

REGULAR MEETING OF THE

BOARD OF DIRECTORS

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

April 11, 2023

53195 The Board of Directors of The Metropolitan Water District of Southern California met in a regular session on Tuesday, April 11, 2023.

Chair Ortega called the meeting to order at 12:01 p.m.

Chair Ortega requested Directors participating in the meeting utilizing AB2449 to state their presence and the circumstances.

Director Erdman announced he would use "Just Cause" to participate in the meeting due to medical reasons (illness).

Director Gray announced she was attending the meeting online (from a teleconference location).

Director Repenning announced she would use "Just Cause" to participate in the meeting due to a contagious illness.

Invocation: Director Arturo Chacon, Central Basin Municipal Water District, was unable to attend the Board meeting to present the invocation.

53196 The Pledge of Allegiance was given by Director Brenda Dennstedt, Western Municipal Water District of Riverside County.

Chair Ortega announced that Metropolitan would be hosting the Colorado River Board for a Pure Water Southern California demonstration facility tour on April 12, 2023, directors wishing to attend the event should notify the General Manager's office.

The Metropolitan inaugural One Water Awards ceremony will recognize six outstanding participants of Metropolitan's Water Savings Incentive Program in the commercial, industrial, and institutional sectors on May 22, 2023.

Metropolitan will celebrate Armenian History Month in collaboration with the Armenian Employee Resource Group. Lastly, May is water awareness month, and Metropolitan will have activities with water agencies and the community to highlight the importance of our water resources, conservation, water access, and equity.

53197 Board Secretary Fong-Sakai administered the roll call. Those responding present were: Directors Abdo, Ackerman, Alvarez, Armstrong, Atwater (teleconference posted location), Camacho, De Jesus, Dennstedt, Dick, Erdman (AB 2449), Faessel, Fellow, Fong-Sakai (teleconference posted location), Garza, Gray (teleconference posted location), Jung, Kurtz, Lefevre, Luna, McMillan, Miller, Morris, Ortega, Petersen, Peterson, Phan (teleconference posted location), Pressman, Ramos, Repenning (AB 2449), Seckel, and Sutley.

Those not responding were: Director Chacon, Cordero, Goldberg, McCoy, and Smith.

Directors entered the meeting after the roll call Kassakhian and Quinn.

Board Secretary Fong-Sakai declared a quorum present.

53198 Chair Ortega invited members of the public to address the Board on matters within the Board's jurisdiction (in-person and via teleconference).

	NI.	A (('11' - 4'	
1.	Name Mark Gold	Affiliation Director of Water Scarcity Solutions, NRDC	Item Item 7-14
2.	Maura Monagan	LA Waterkeeper	Item 7-14
3.	Caty Wagner	Sierra Club California	Item 7-14
4.	Darrell Goode	NAACP	Investigation
5.	Dr. James Thomas	San Fernando Valley NAACP	Investigation
6.	Latricia Mitchell	Los Angeles NAACP Yield time to Darrell Goode	Investigation
7.	Dr. Janet Clark	NAACP, Yield time to Darrell Goode	Investigation
8.	Jason Shepard	Vice President, Santa/Monica Venice NAACP	Investigation
9.	Britney Davis	Los Angeles County resident	Investigation
10.	Bill Neman	Sierra Club	Item 7-14
11.	Valeria (no last name provided)	Palisades Resident	Item 7-14

12. Shita Morsche Palisades, CA Resident Item 7-14

Chair Ortega addressed the following: Other Matters and Reports.

53199 Chair Ortega asked if there were any changes to the report of events attended by Directors at Metropolitan's expense during the month of March, as previously posted and distributed to the Board. Chair Ortega asked the Directors if there were any corrections on the item. No amendments were made.

53200 Chair Ortega referred to Chair's monthly report, which was previously posted and distributed to the Board. In addition, Chair Ortega reported on the following:

1. Update on the boardroom seating chart.

Chair Ortega asked the Directors if there were any questions on the item. No comments were made.

53201 General Manager Hagekhalil referred to the General Manager's monthly report, which was previously posted and distributed to the Board. In addition, General Manager Hagekhalil reported on the following:

- 1. Update on the Colorado River and the trips to Washington D.C. and Sacramento and meeting with Congressional Staff to share specifics on Metropolitan's position and expand the knowledge on the issues surrounding the Colorado River.
- 2. Update on the Bureau Reclamation SEIS report.
- 3. Update on the state water-dependent areas.
- 4. Update on Metropolitan safety issues and Metropolitan is in the process of implementing the recommendations of the safety council
- 5. Welcome and introduction of Jay L. Jefferson, II, Executive Legislative Representation External Affairs.
- 6. Update on the State Audit.

Directors Kassakhian and Quinn entered the meeting.

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

Director(s)

- 1. Peterson
- 2. Petersen
- 3. Ortega

Staff responded to the Directors' comments or questions.

53202 General Counsel Scully referred to the General Counsel's monthly report, which was previously posted and distributed to the Board. In addition, General Counsel Scully reported on the following:

- 1. Update on the status of the CEQA documentation litigation case supporting the relicensing of the Orville Hydroelectric facilities.
- 2. General Counsel introduced Betty Kuo Brinton, Senior Deputy General Counsel to present the Social Media Briefing: Brown Act and First Amendment.

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

Director(s)

- 1. Ortega
- 2. Garza
- 3. Peterson
- 4. Camacho

Staff responded to the Directors' comments or questions.

53203 General Auditor Suzuki stated he had nothing to add to the written report.

53204 Ethics Officer Salinas stated he had nothing to add to the written report.

53205 Presentation of Commendatory Resolutions for Directors Robert Apodaca and the late Phillip D. Hawkins, both representing Central Basin Municipal Water District; Randy Record representing Eastern Municipal Water District; Steve Blois representing Calleguas Municipal Water District; Satoru Tamaribuchi representing Municipal Water District of Orange County; and Harold C. Williams representing West Basin Municipal Water District for their service during their terms as Metropolitan's Board of Directors.

53206 Presentation of 10-year Service Pin to Director Cynthia Kurtz, City of Pasadena. Director Kurtz made brief remarks.

53207 Presentation of 15-year Service Pin to Director Linda Ackerman Municipal Water District of Orange County. Director Ackerman made brief remarks.

Chair Ortega addressed the Consent Calendar Items for April 2023.

53208 Chair Ortega asked the Directors if there were any comments or discussions on the Approval of the Minutes of the Special Board Meeting for February 28, 2023, and the Board of Directors Meeting for March 14, 2023. (Copies have been submitted to each Director, any additions, corrections, or omissions) (Agenda Item 6A). No amendments were made.

Vice Chair Camacho requested Item 7-14 be pulled from Consent Calendar Items.

53209 Approval of Committee Assignments (Agenda Item 6C). No assignments were made. Vice Chair Quinn will announce the membership of the Subcommittee on Demand Management and Conservation Programs and Priorities in May.

Chair Ortega called on the Committee Chairs to give a report on Consent Calendar Action Items and to hear recusals before any discussion on the items.

Chair Ortega noted that Item 7-7 was deferred. Director Quinn reported that One Water Committee met and there was no action taken.

53210 Adopt CEQA determination that the proposed action was previously addressed in the Mitigated Negative Declaration and related CEQA actions, and a. award an \$8,656,568 contract to Granite Construction Company for construction of structural protection measures at 24 cut-and-cover conduit locations along the Colorado River Aqueduct; b. authorize an agreement with Environmental Science Associates in an amount not to exceed \$1,200,000 for biological surveys and environmental monitoring; and c. authorize an agreement with Deto, Inc. in an amount not to exceed \$325,000 for compensatory environmental mitigation credits., as set forth in Agenda Item 7-1 board letter.

53211 Award a \$6,174,000 contract to West Valley Investment Group for seismic upgrades to the Foothill Hydroelectric Plant and Control Building, as set forth in Agenda Item 7-2 board letter.

53212 A. Authorize an agreement with Stantec Consulting Services, Inc., for a not-to-exceed amount of \$900,000, for detailed seismic analysis of the Lake Skinner outlet tower; and b. award a \$1,174,475 procurement contract to B&K Valves and Equipment, Inc. for the replacement of two valves at the Lake Skinner outlet tower, as set forth in Agenda Item 7-3 board letter.

53213 Authorize an amendment to an existing agreement with Brown & Caldwell, for a \$475,000 increase to a new not-to-exceed amount of \$715,000, to investigate potential modifications to Metropolitan's existing East-West conveyance and distribution system, as set forth in Agenda Item 7-4 board letter.

53214 Authorize an increase of \$5.4 million to an existing agreement with Arcadis U.S., Inc., for a new not-to exceed total amount of \$6.35 million, for engineering design services to rehabilitate Garvey Reservoir, as set forth in Agenda Item 7-5 board letter.

53215 Authorize an agreement with Canary Systems California, LLC, for an amount not to exceed \$1.95 million to upgrade the data acquisition systems at Diamond Valley Lake and Garvey Reservoir, as set forth in Agenda Item 7-6 board letter.

Agenda Item 7-7 was Deferred (please note it was inadvertently displayed as part of the voting record).

- **53216** A. Approve the draft of Appendix A (Attachment 1) attached to the board letter with a modification to page A-24 to delete the words, "and is owned by"; b. Authorize the General Manager, or other designee of the Ad Hoc Committee, to finalize, with changes approved by the General Manager and General Counsel, Appendix A; and c. authorize distribution of Appendix A, finalized by the General Manager or other designee of the Ad Hoc Committee, in connection with the sale or remarketing of bonds, as set forth in Agenda Item 7-8 board letter.
- **53217** Adopt resolutions fixing and adopting a Readiness-to-Serve Charge and a Capacity Charge for calendar year 2024, as set forth in Agenda Item 7-9 board letter.
- **53218** Review and consider the Lead Agency's adopted Mitigated Negative Declaration and Addendum and take related CEQA actions and adopt resolution for the 112th Fringe Area Annexation concurrently to EMWD and Metropolitan, as set forth in Agenda Item 7-10 board letter.
- **53219** Approve the award of a four-year contract for external audit services with Macias Gini O'Connell, LLP, for the not-to-exceed amount of \$1,600,090, as set forth in Agenda Item 7-11 board letter.
- **53220** Approve proposed amendment to Administrative Code Section 6450 regarding individual Board member requests for audit assignments, as set forth in Agenda Item 7-12 board letter.
- **53221** Authorize a credit of up to \$200,000 to Western Municipal Water District for treatment surcharge costs incurred due to the unexpected extension of a Metropolitan shutdown, as set forth in Agenda Item 7-13 board letter.

Committee Chair Jung reported that Item 7-14 the Legislation, Regulatory Affairs, and Communications Committee voted on a substitute motion to delay taking action on AB 1572 (Friedman): Potable water: nonfunctional turf and return to the board as expeditiously as possible when the bill is amended to consider sponsorship.

Chair Ortega announced that the Board will discuss Item 7-14 and the item is pulled from the Consent Calendar.

- **53222** A. Adopt Policy Principles for Modernization of Water Rights Administration in California to Enhance Enforcement and Protect Supply Reliability, as set forth in Agenda Item 7-15 board letter.
- **53223** Approve the nomination and naming of Metropolitan's Boardroom in honor of former Metropolitan Board Chair Phillip J. Pace, as set forth in Agenda Item 7-16 board letter.

Chair Ortega called for a vote to approve Consent Calendar Items 6A, 7-1 through 7-6, 7-8 through 7-13, and 7-15 and 7-16 (M.I. No. 53208, 53210 through 53215, 53216 through 53223).

Director Pressman moved, seconded by Director Alvarez that the Board approve the Consent Calendar Items 6A, 7-1 through 7-6, 7-8 through 7-13, and 7-15 and 7-16 as follows:

Director Repenning announced before the vote that no one was in the room with her 18 years of age or older.

Director Erdman announced before the vote that no one was in the room with him 18 years of age or older.

The following is a record of the vote:

Record of Vote on Consent Item(s):	Items: 6A, a	nd 7-1 throu	igh 7-6, 7-8	through	7-13, and	7-15 & 7	-16		
	Total				Yes		No		Abstain
Member Agency	Votes	Director	Present	Yes	Vote	No	Vote	Abstain	Vote
Anaheim	5627	Faessel	Х	Х	5627				
Beverly Hills	4267	Pressman	Х	Х	4267				
Burbank	2893	Ramos	Х	Х	2893				
Calleguas Municipal Water District	12368	McMillan	Х	Х	12368				
Central Basin Municipal Water District	18216	Garza	Х	Х	18216				
		Chacon							
			Subtotal:		18216				
Compton		McCoy							
Eastern Municipal Water District	10502	Armstrong	Х	Х	10502				
Foothill Municipal Water District	2290	Atwater	Х	Х	2290				
Fullerton	2390	Jung	Х	Х	2390				
Glendale	3814	Kassakhian	Х	Х	3814				
Inland Empire Utilities Agency	14663	Camacho	Х	Х	14663				
Las Virgenes	2927	Peterson	х	Х	2927				
Long Beach	6151	Cordero							
Los Angeles	75699	Sutley	х	Х	15140				
		Petersen	х	Х	15140				
		Quinn	х	Х	15140				
		Luna	х	Х	15140				
		Repenning	х	Х	15140				
			Subtotal:		75699				
Municipal Water Dist. of Orange County	60913	Ackerman	Х	Х	15228				
The state of the s		Seckel	X	X	15228				
		Dick	x	X	15228				
		Erdman	x	X	15228				
			Subtotal:		60913				
Pasadena	3716	Kurtz	X	Х	3716				
San Diego County Water Authority		Fong-Sakai	X	X	31616				
Carrelings County Water Harrietty	00202	Goldberg	_ ^		0.0.0				
		Miller	х	Х	31616				
		Smith			01010				
		Officer	Subtotal:		63232				
San Fernando	238	Ortega	X	Х	238				
San Marino		Morris	X	X	770				
Santa Ana		Phan	X	^	110			1	
Santa Monica		Abdo	X	Х	4619			+	
Three Valleys Municipal Water District		De Jesus	X	X	8254			+	
Torrance		Lefevre	^	Х	0234				
Upper San Gabriel Valley Mun. Wat. Dist.		Fellow	x	X	12688		-	+	
West Basin Municipal Water District		Alvarez	X	X	25453		-	+	
west basin wunicipal water District	20403		, x	Х	20403			1	
		Gray	Cubtatal		25.450		-	1	
Magtara Municipal Water Dietrict	10511	Deposted	Subtotal:		25453		-	+	
Western Municipal Water District		Dennstedt	Х	Х	13541		-	1	
Total Present and not voting	362474 3228				349080		-	1	
Present and not voting	10166							1	

The motion to approve the Consent Calendar Items 6A, 7-1 through 7-6, 7-8 through 7-13, and 7-15 and 7-16 (M.I. No. 53208, 53210 through 53215, 53216 through 53223)* passed by a vote of 349,080 ayes; 0 noes; 0 abstain; 3,228 not voting; and 10,166 absent.

*Note:

Director Phan recused herself on Consent Calendar Items 6A, 7-1 through 7-6, 7-8 through 7-13, and 7-15 and 7-16 because she was unable to run conflicts of interest on the voting items.

53224 Authorize the General Manager to co-sponsor, if amended, 21-2072 Assembly Bill 1572 (Friedman, D – Glendale): Potable water: nonfunctional turf; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA, as set forth in Agenda Item 7-14.

Committee Chair Jung reported that Item 7-14 the Legislation, Regulatory Affairs, and Communications Committee voted on a substitute motion to delay taking action on AB 1572 (Friedman): Potable water: nonfunctional turf and return to the board as expeditiously as possible when the bill is amended to consider sponsorship.

Director Dick motioned, seconded by Director Ramos for the motion passed by the committee.

Director Quinn recused herself from the discussion as Metropolitan is cosponsoring legislation with her employer, Heal the Bay, in an abundance of caution on whether her participation on the item is permissible.

Dee Zinke, Assistant General Manager External Affairs, read into the record an email correspondence received from Assemblymember Friedman's Office. The Board Office sent out the amendments received from Assemblymember Friedman's Office but not the email that went with the amendments.

The message from the Assembly Member stated.

"I was able to listen to the MWD Leg Committee meeting yesterday and wanted to follow up on behalf of the author, and former MWD board member, Assemblymember Friedman.

Attached are the amendments that were submitted by the author to the committee today. I expect them to cross the desk today and be in print tonight or tomorrow. Feel free to share with the Board of Directors.

Assemblymember Friedman welcomes MWD's cosponsorship, support and will consider any amendments that MWD proposes for the legislation."

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

Director(s)

- 1. Ramos
- 2. Camacho

Chair Ortega called for a reading of the substitute motion of the staff recommendation of Option 1 made by Vice Camacho and seconded by Director Sutley.

General Counsel Scully read the substitute motion "Authorize the General Manager to co-sponsor, if amended, AB 1572 (Friedman): Potable water: non-functional turf."

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

Director(s)

- 1. Peterson
- 2. Petersen
- 3. Jung
- 4. Fellow
- 5. Kurtz
- 6. Pressman
- 7. Kassakhian
- 8. Dick
- 9. Dennstedt
- 10. Sutley
- 11. Ackerman
- 12. Abdo
- 13. Petersen
- 14. Repenning
- 15. McMillan
- 16. Alvarez
- 17. Garza
- 18. Ramos

Staff responded to the Directors' comments or questions.

Director Pressman called the question.

Chair Ortega called for a vote to approve Consent Calendar Items 7-14 (M.I. No. 53224).

General Counsel Scully restated the substitute motion:

Authorize the General Manager to support, if amended, and co-sponsor if the amendments are made (AB 1572 (Friedman): Potable water: non-functional turf).

Director Camacho moved, seconded by Director Sutley, that the Board approve the Agenda Item 7-14 as follows:

Director Repenning announced before the vote that she was alone in her room.

Director Erdman announced before the vote that he was alone in his room.

The following is a record of the vote:

Record of Vote on Consent Item(s):	7-14								
					Yes		No		Abstain
Member Agency	Total Votes	Director	Present	Yes	Vote	No	Vote	Abstain	Vote
Anaheim	5627	Faessel	Х			Х	5627		
Beverly Hills		Pressman	Х					Х	4267
Burbank		Ramos	Х					Х	2893
Calleguas Municipal Water District	12368	McMillan	Х			Х	12368		
Central Basin Municipal Water District	18216	Garza	Х	Х	18216				
		Chacon							
			Subtotal:		18216				
Compton		McCoy							
Eastern Municipal Water District	10502	Armstrong	Х	Х	10502				
Foothill Municipal Water District		Atwater	Х	Х	2290				
Fullerton		Jung	Х	Х	2390				
Glendale	3814	Kassakhian	Х					Х	3814
Inland Empire Utilities Agency		Camacho	Х	Х	14663				
Las Virgenes	2927	Peterson	Х			Х	2927	•	
Long Beach	6151	Cordero							
Los Angeles	75699	Sutley							
		Petersen	Х	Х	25233				
		Quinn							
		Luna	Х	Х	25233				
		Repenning	Х	Х	25233				
			Subtotal:		75699				
Municipal Water Dist. of Orange County	60913	Ackerman	Х			Х	15228		
		Seckel	Х			Х	15228		
		Dick	Х			х	15228		
		Erdman	Х			х	15228		
			Subtotal:				60913		
Pasadena	3716	Kurtz	х					Х	3716
San Diego County Water Authority	63232	Fong-Sakai	х	Х	63232				
, ,		Goldberg							
		Miller							
		Smith							
			Subtotal:		63232				
San Fernando	238	Ortega	х	Х	238				
San Marino		Morris	х			Х	770		
Santa Ana		Phan	Х	Х	3228				
Santa Monica		Abdo	Х	Х	4619				
Three Valleys Municipal Water District	8254	De Jesus	Х			х	8254		
Torrance	3416	Lefevre							
Upper San Gabriel Valley Mun. Wat. Dist.		Fellow	Х		1	Х	12688		
West Basin Municipal Water District		Alvarez	Х	Х	25453				
·		Gray							
		,	Subtotal:		25453				
Western Municipal Water District	13541	Dennstedt	Х			Х	13541		
Total	362474				220530		117088		14690
Present and not voting									
Absent	10166								

The motion to approve the Consent Calendar Item 7-14 (M.I. No. 53224)* passed by a vote of 220,530 ayes; 117,088 noes; 14,690 abstain; 0 not voting; and 10,166 absent.

*Note: Individual vote tally for Item 7-14

Director Quinn recused herself on Item 7-14 due to a Metropolitan cosponsoring legislation with her employer, Heal the Bay, in an abundance of caution on whether her participation on the item is permissible.

Chair Ortega announced there were no other board items for action.

53225 Chair Ortega asked if there were questions or need for discussion for Board Information Items 9-1, 9-2, and 9-3. No requests were made.

Director Ackerman reported regarding a error in the electronic display of the consent calendar vote including Item 7-7.

53226 Chair Ortega asked if there were any Other Matters Items. There were none.

53227 Chair Ortega asked if there were any Follow-Up Items. There were none.

53228 Chair Ortega asked if there were any Future Agenda Items. There were none.

Chair Ortega thanked Director Fellow for chairing the Equity, Inclusion, and Affordability Committee in a robust discussion and wished the Directors that are ill a speedy recovery.

Director Dick requested that the meeting be adjourned in honor of the Orange County region's loss of a water leader in memory of Mr. C.L. Frais.

53229 There being no objection, at 2:05 p.m., Chair Ortega adjourned the meeting in honor of Mr. C. L. Frais.

LOIS FONG-SAKA SECRETARY

CHAIR



Board of Directors Engineering, Operations, and Technology Committee

5/9/2023 Board Meeting

7-1

Subject

Award a \$637,520 contract to Acro Constructors to upgrade the video production room at Metropolitan's Headquarters Building; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

The existing video production room at Metropolitan's Headquarters Building has been used by Metropolitan staff for 25 years to prepare videos and presentations that promote sustainable water practices, educate the public, and highlight innovation. The room needs upgrades to make it suitable for modern studio production standards. This action awards a construction contract to upgrade the video room for multimedia production purposes.

Details

Background

Metropolitan's Headquarters Building is a 522,682 square-foot, concrete-frame structure consisting of a 12-story high-rise tower attached to a five-story wing. Shortly after initial occupancy of the building in 1998, three adjacent rooms next to the parking garage elevators on the main level of the building were converted for use as an ad hoc video room. The room has been used by Metropolitan staff on a continual basis for 25 years to develop and produce content that is displayed at board meetings, presented at community meetings, and posted on Metropolitan's website and social media platforms. The video production space has been modified and upgraded over time to reflect the evolving and improving technologies that staff use to develop and produce video products.

The headquarters video production room has a working area of approximately 1,200 square feet and consists of one waiting room and two editing bays providing a video production space. The existing large-footprint multimedia equipment limits the workspace and inhibits efficient video production in the current room configuration. The video room shares one wall with a hallway of high traffic volume leading to the Board Room and the public cafeteria area, and another wall with the parking garage elevators, which emit mechanical noises that prevent staff from producing high-quality media products. To meet Metropolitan's growing video production and editing needs, several significant modifications need to be made to the existing workspace including optimization of the room layout, studio-level soundproofing, improvements to the room's entry/exit arrangement, provisions for expanded video production capabilities, improved lighting, and equipment for mastering multimedia presentations.

Design of the recommended improvements have been completed, and approvals from the City of Los Angeles Department of Building and Safety have been received. The construction contractor will be responsible for pulling all permits required for this project. Staff recommends award of a construction contract at this time.

Budget Impact

In accordance with the April 2022 action on the biennial budget for fiscal years 2022/23 and 2023/24, the General Manager will authorize staff to proceed with the action described herein, pending board award of the contract described below. Based on the current Capital Investment Plan (CIP) expenditure forecast, funds for the work to be performed, pursuant to this action during the current biennium, are available within the Capital Investment Plan Appropriation for fiscal years 2022/23 and 2023/24 (Appropriation No. 15525). This project anticipates an

expenditure of \$1.17 million in capital funds. All expenditures will be incurred in the current biennium and have been previously authorized. This project has been reviewed in accordance with Metropolitan's CIP prioritization criteria and was approved by Metropolitan's CIP evaluation team to be included in the System Reliability Program.

Headquarters Video Room Upgrades – Construction

The scope of the construction contract consists of installing a general lighting grid mounted above the main studio floor, cinema and photography lights, and emergency lighting; removal of existing gypsum board over existing walls and construction of custom soundproofing walls around the space; construction of a sound isolation enclosure for voiceover recordings; installation of cable pass-throughs for lighting, recording indication lights, and acoustical controls; and installation of wood shelving and cabinetry for equipment storage. Metropolitan force activities will include outage coordination, equipment testing, and commissioning support.

A total of \$1.17 million has been budgeted for this work. In addition to the amount of the contract described below, other funds to be allocated include \$89,000 for Metropolitan force activities described above; \$95,000 for construction management and inspection; \$86,000 for submittals review, responding to requests for information, and preparation of record drawings; \$61,000 for technical support and commissioning by La Cañada Design Group; \$82,000 for contract administration, project controls, and project management; and \$119,480 for the remaining budget. La Cañada Design Group will provide technical support under an existing on-call agreement.

Attachment 1 provides the allocation of the required funds. The total estimated cost of the upgrades to the headquarters video room, including the amount allocated to date and funds allocated for the work described in this action, is \$1.43 million.

Award of Construction Contract (Acro Constructors)

Specification No. 1989A for upgrades to the headquarters video room was advertised for bids on January 24, 2023. As shown in **Attachment 2**, three bids were received and opened on March 7, 2023. The low bid from Acro Constructors in the amount of \$637,520 complies with the requirements of the specifications. The other two bids were \$765,649 and \$799,578, while the engineer's estimate for this project was \$672,000. For this contract, Metropolitan established a Small Business Enterprise participation level of at least 25 percent of the bid amount. Acro Constructors has committed to meet this level of participation.

This action awards a \$637,520 contract to Acro Constructors for upgrades to the video room at Metropolitan's Headquarters Building. As described above, Metropolitan staff will perform construction management and inspection. The total cost of construction for this project is \$726,520, which includes the amount of the contract (\$637,520) and Metropolitan force activities (\$89,000). Engineering Services' performance metric target range for construction management and inspection of projects with construction less than \$3 million is 12 to 15 percent. For this project, the performance metric goal for inspection is 13.1 percent of the total construction cost.

Alternatives Considered

During the design process, staff considered the alternative of renting a professional studio space as needed. Given the current and anticipated demands of Metropolitan's programs, a studio space would need to be rented on a regular basis for a prolonged period, which would result in additional costs when compared with a dedicated location inside the Headquarters Building. Additionally, staff considered outsourcing all of the video production work to private companies. This alternative was not selected because in-house staff is available on demand, is flexible and invested, and provides consistent, high-quality work.

The selected alternative would upgrade the video room with a new lighting grid, production lights, and appropriate soundproofing, which will allow for an efficient layout while eliminating tripping hazards and reducing unwanted sounds. These changes will maintain the long-term operational reliability of the space, provide the best value to Metropolitan, and allow Metropolitan to develop video content in a timely manner.

Summary

This action awards a \$637,520 contract to Acro Constructors for upgrades to the video room at Metropolitan's Headquarters Building. See **Attachment 1** for the Allocation of Funds, **Attachment 2** for the Abstract of Bids, **Attachment 3** List of Subcontractors, and **Attachment 4** for the Location Map.

Project Milestone

February 2024 – Completion of construction

Policy

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

Metropolitan Water District Administrative Code Section 8140: Competitive Procurement

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute Item 52778, dated April 12, 2022, the Board appropriated a total of \$600 million for projects identified in the Capital Investment Plan for Fiscal Years 2022/2023 and 2023/2024.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action involves operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of existing or former use and no possibility of significantly impacting the physical environment. Accordingly, the proposed action qualifies under the Class 1 Categorical Exemption (Section 15301 of the State CEQA Guidelines).

CEQA determination for Option #2:

None required

Board Options

Option #1

Award a \$637,520 contract to Acro Constructors for upgrades to the video room at Metropolitan's Headquarters Building.

Fiscal Impact: Expenditure of \$1.17 million in capital funds. All expenditures will be incurred in the current biennium and have been previously authorized.

Business Analysis: This option will enhance Metropolitan's assets and provide the best value to Metropolitan. It will allow staff to expand video production and multimedia presentations which will be displayed at board meetings, presented at community meetings, posted on public platforms, and distributed via other communication channels.

Option #2

Do not proceed with the project at this time.

Fiscal Impact: None

Business Analysis: Under this option, staff would continue to work in the existing video room. Staff would rent a studio space as needed to support Metropolitan's growing needs. This may lead to higher costs for Metropolitan over time due to rent payments. It would also limit video production capabilities to quickly meet the presentation needs of the Board and outreach efforts.

Staff Recommendation

Option # 1

John V. Bednarski

4/19/2023

Date

Manager/Chief Engineer

Engineering Services

Adel Hagekhalil

4/25/2023 Date

General Manager

Attachment 1 - Allocation of Funds

Attachment 2 - Abstract of Bids

Attachment 3 - Subcontractors for Low Bidder

Attachment 4 – Location Map

Ref# es12686619

Allocation of Funds for Headquarters Video Room Upgrades

	rrent Board Action May 2023)
Labor	
Studies & Investigations	\$ -
Final Design	-
Owner Costs (Program mgmt.,	82,000
contract admin., & envir. monitoring)	
Submittals Review & Record Drwgs.	86,000
Construction Inspection & Support	95,000
Metropolitan Force Construction	89,000
Materials & Supplies	-
Incidental Expenses	-
Professional/Technical Services	
La Cañada Design Group	61,000
Right-of-Way	-
Equipment Use	-
Contracts	
Acro Constructors	637,520
Remaining Budget	119,480
Total	\$ 1,170,000

The total amount expended to date for the upgrades to the headquarters video room is approximately \$260,000. The total estimated cost of the improvements, including the amount appropriated to date and funds allocated for the work described in this action, is \$1.434 million.

The Metropolitan Water District of Southern California

Abstract of Bids Received on March 7, 2023, at 2:00 P.M.

Specifications No. 1989A Headquarters Video Room Upgrades

The work consists of upgrading the video room at the Metropolitan's Headquarters Building, including installation of a lighting grid mounted above the main studio floor, LED cinema and photography lights, house lighting, recording indication light, photography backdrops, custom soundproofing and acoustical control around the studio, main entryway hardware, sound isolation enclosure for voiceover recordings, and cable pass-throughs.

Engineer's estimate: \$672,000

Bidder and Location	Total	SBE \$	SBE %	Met SBE ¹
Acro Constructors Burbank, CA	\$637,520	\$193,777	30	Yes
JT Construction Group Inc. Glendale, CA	\$765,649	-	-	-
MLC Constructors Inc. Corona, CA	\$799,578	-	-	-

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

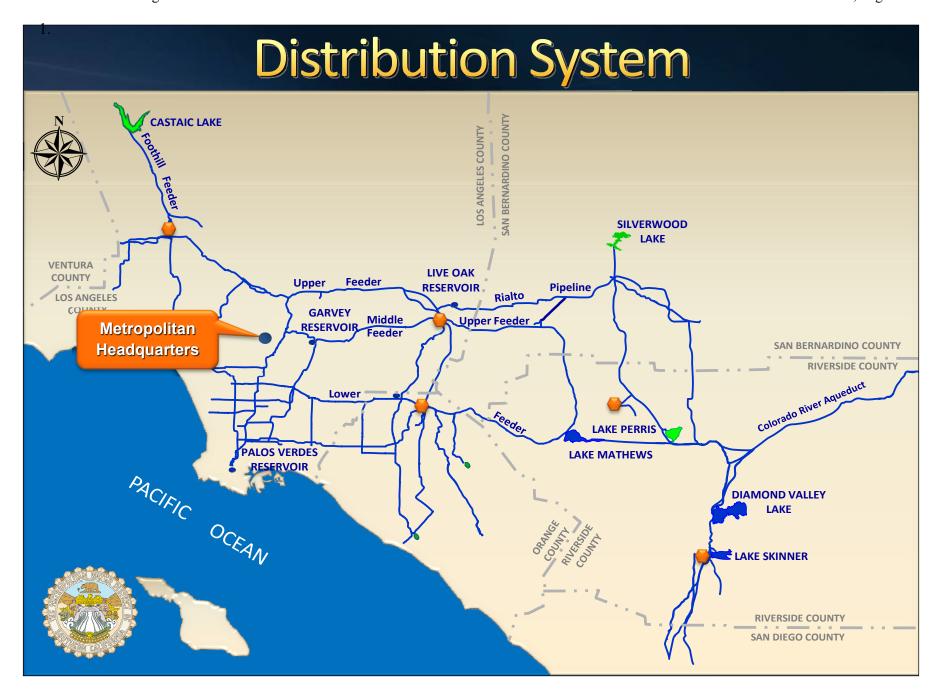
The Metropolitan Water District of Southern California

Subcontractors for Low Bidder

Specifications No. 1989A Headquarters Video Room Upgrades

Low bidder: Acro Constructors

Subcontractor	Service Category; Specialty
ADL Painting & Wall Covering Inc. Corona CA	Painting
C. A. Buchen Corporation Sun Valley, CA	Structural Steel
Doortek Systems Inc. Anaheim, CA	Doors/Frames
Gama Contracting Services Inc. El Monte, CA	Demolition
Pacific West Industries dba Pacific West Air Conditioning Anaheim, CA	HVAC
Phillip's Draperies and Curtains Inc. Pasadena, CA	Curtains
Trendex Corporation Simi Valley, CA	Drywall
Triple C Electric Inc. Valencia, CA	Electrical
Unlimited Telecom Inc. Fullerton, CA	Low Voltage Electrical Systems





Engineering, Operations, & Technology Committee

Headquarters Video Room Upgrades

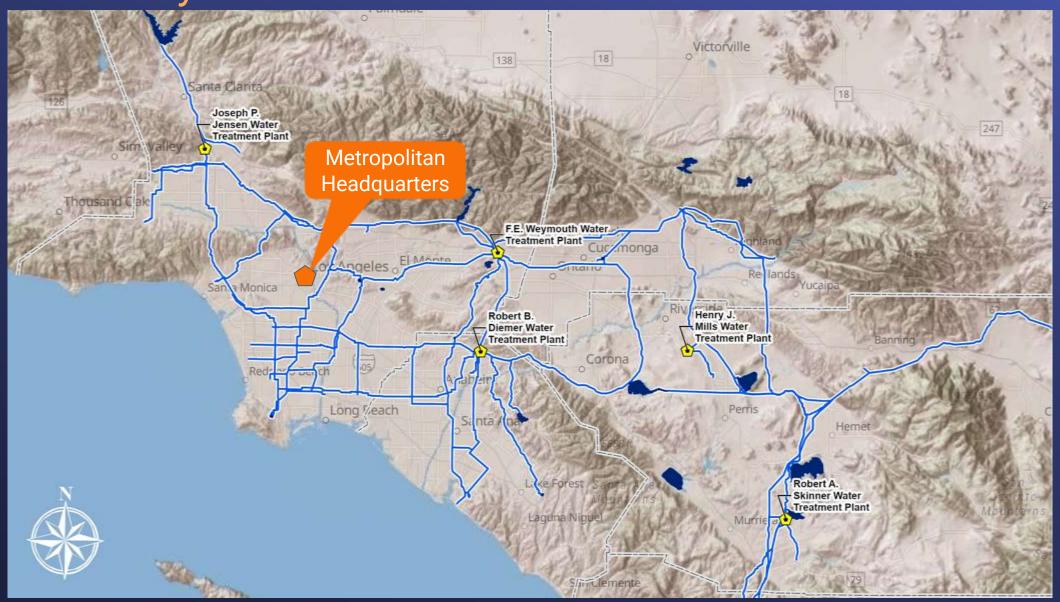
Item 7-1 May 8, 2023

Headquarters Video Room Upgrades

Current Action

Award a \$637,520 contract to Acro
 Constructors to upgrade the video production room at Metropolitan's Headquarters Building

Distribution System



Background

- Three rooms adjacent to the parking elevators in use since 1998
- Video room used to produce professional-level video and animation content
- Content used for:
 - Board & community meetings
 - Metropolitan's website & social media platforms



Examples of Media Content

Current Challenges to Media Production

- Room location is adjacent to highly trafficked hallway & parking elevators
- Large-footprint multimedia equipment restricts use of current workspace
- Extensive use of temporary cabling and lighting packages presents potential safety issues



Existing Video Room

Headquarters Video Room Upgrades

Alternatives Considered

- Renting a professional studio space, as needed
 - Additional rental costs on a regular basis
- Outsourcing all video production
 - Availability, quality & staff investment
- Selected Alternative Perform upgrades to the current video room
 - Maintains long-term reliability & flexibility of in-house services
 - Provides for timely production of high quality content

Scope of Work – Contractor

- Construct custom soundproofing within existing room(s)
- Install
 - Lighting grid, cinema & emergency lighting
 - Sound isolation enclosure for voiceover recordings
 - Enclosed cable passageways to enhance safety



Video Room Rendering

Headquarters Video Production Room

Scope of Work

- Consultant La Cañada Design Group
 - Technical support during construction
 - Existing on-call agreement under GM's authority
- Metropolitan
 - Outage coordination
 - Equipment testing
 - Construction management & inspection
 - Contract administration, project controls & project management

Bid Results Specifications No. 1989A

Bids Received March 7, 2023

No. of Bidders

Lowest Responsible Bidder Acro Constructors

Low Bid \$637,520

Range of Other Bids \$765,649 to \$799,578

Engineer's Estimate \$672,000

SBE Participation* 30%

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

Allocation of Funds

Headquarters Video Room Upgrades

Metropolitan Labor			
Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support)		\$	82,000
Submittals Review, Tech. Support, Record Dwgs.			86,000
Construction Inspection & Support			95,000
Force Construction			89,000
Professional/Technical Services			
La Cañada Design Group			61,000
Contracts			
Acro Constructors			637,520
Remaining Budget			119,480
	Total	\$1,	,170,000

Project Schedule



Board Options

- Option #1
 - Award a \$637,520 contract to Acro Constructors for upgrades to the video room at Metropolitan's Headquarters Building.
- Option #2
 - Do not proceed with the project at this time.

Staff Recommendation

Option #1





Board of Directors Engineering, Operations, and Technology Committee

5/9/2023 Board Meeting

7-2

Subject

Authorize an agreement with Arcadis U.S. Inc., for a not-to-exceed amount of \$550,000 to design, develop, and deploy Metropolitan's Capital Investment Plan Budget System Improvements; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

Metropolitan's Capital Investment Plan (CIP) Budget System is used by staff to collect project information, evaluate and prioritize projects, and help prepare the two-year CIP budget and the 10-year CIP expenditure forecast. The current system was developed by a combination of in-house staff and consultants and uses a web-based SharePoint platform. This system replaced the paper-based proposal process that was used for many years. The current CIP budget was developed with this web-based platform, and this platform is currently being used to prepare for the upcoming CIP budget cycle for fiscal years 2024/25 and 2025/26. While the current system did replace the manual paper process, further improvements are necessary to fully integrate and further streamline the overall process. This action authorizes an agreement to develop and deploy a new CIP Budget System that will enhance staff's ability to track workflows, improve reporting, increase evaluation efficiency, and provide greater in-house control over future enhancements.

Background

As part of Metropolitan's budget process, staff prepares a recommended two-year budget and expenditure plan for the CIP. The budget and expenditure plan are reflected in the CIP Appendix and included in Metropolitan's overall two-year budget and associated budget documents. The CIP budget preparation starts with the preparation and submission of project proposal packages which are comprised of a web-based project proposal form, a project risk assessment form, and a resource-loaded schedule form. After the proposal package is submitted, the projects are evaluated and prioritized for inclusion into the CIP budget.

A manual process, consisting of paper proposal forms was used for over 20 years. In early 2021, this process was replaced by the SharePoint system. This new system, along with a set of minor enhancements, will be used for the preparation of the CIP budget for fiscal years 2024/25 and 2025/26. While the current SharePoint system is a significant improvement over the paper forms, some manual processes remain due to limitations in the SharePoint platform. For example, although all three forms need to be completed before the proposal package can be evaluated, each of the forms resides in a disparate system with individual workflows that require manual data entry and tracking.

To further improve the system, staff recommends proceeding with the replacement of the current SharePoint system with a more reliable, efficient, flexible, and scalable system that addresses Metropolitan's current and future business requirements. The new system will also provide for integrated and interactive forms that are easier and faster for staff to develop and complete. The improved CIP Budget System will add new features and capabilities for greater automation, enhanced data collection and evaluation, and efficient project prioritization. The recommended system would also allow in-house staff to configure the forms and support the system users. Currently, alteration to the forms, workflows, or notifications can only be performed by software developers. To complete these improvements expeditiously, staff recommends authorizing a professional services agreement to design, develop, and deploy the CIP Budget System Improvements.

Budget Impact

In accordance with the April 2022 action on the biennial budget for fiscal years 2022/23 and 2023/24, the General Manager will authorize staff to proceed with CIP Budget System Improvements, pending authorization of the professional services agreement described below. Based on the current CIP expenditures forecast, funds for work to be performed pursuant to this action during the current biennium are available within the CIP Appropriation for Fiscal Years 2022/23 and 2023/24 (Appropriation No. 15525). This project anticipates that approximately \$865,000 will be incurred in the current biennium and has been previously authorized. This project has been reviewed in accordance with Metropolitan's CIP prioritization criteria and was approved by Metropolitan's CIP evaluation committee to be included in the System Reliability Program.

CIP Budget System Improvements - Design, Development, and Deployment

This project will replace the current SharePoint system with a new and enhanced CIP budget system using commercially available, off-the-shelf software made specifically for CIP Budget Systems and developed using Enterprise Data Analytics web-based platform. The new system design will be an integrated proposal form containing the risk-consequence and resource-loaded schedule information, which will use a single workflow to develop, approve, and track the form. This improvement streamlines the submittal and approval process, eliminates duplicate entry data fields, improves data gathering, automates tracking and status notifications, reduces the required administrative effort, provides greater capability to modify and enhance the proposal form, and improves the overall user experience which will enable users to meet both current and future business requirements.

The new CIP Budget System will be developed and deployed by Arcadis U.S. Inc. (Arcadis) as described below. Planned activities to be conducted jointly by Metropolitan staff and Arcadis will include setting up software environments for the development and testing of the improved CIP Budget System prior to rollout.

A total of \$865,000 is required for this work. Funds to be allocated include \$550,000 for design, development, and deployment by Arcadis; \$126,000 for Metropolitan staff activities for the deployment and testing support; \$45,000 for project management and project controls; and \$144,000 for remaining budget. **Attachment 1** provides the allocation of the required funds.

Professional Services (Arcadis) - New Agreement

Arcadis is recommended to provide professional services for design, development, and deployment of the CIP Budget System Improvements. Arcadis was selected through a competitive process via Request for Proposal No. 1322 based on the firm's qualifications, record of past performance, expertise of the key staff, technical approach and methodology, and cost proposal for the improvements of the CIP Budget System. The planned activities for Arcadis include: (1) consolidation of project proposal, risk-consequence, and resource-loaded schedule forms, (2) improvement of the consolidated form and approval workflow, (3) automation of proposal tracking and status notifications, (4) data migration, (5) testing of the deployed system; and (6) furnishing system user manuals and technical documentation.

This action authorizes an agreement with Arcadis for a not-to-exceed amount of \$550,000 to design, develop, and deploy the CIP Budget System Improvements. For this agreement, Metropolitan has established a Small Business Enterprise participation level of 25 percent. Arcadis U.S. Inc. has agreed to meet this level of participation.

Alternatives Considered

Alternatives considered for improving the CIP Budget System included utilizing in-house Metropolitan staff to perform all the work to improve the CIP Budget System. Metropolitan's staffing strategy for utilizing consultants and in-house Metropolitan staff has been: (1) to assess current work assignments for in-house staff to determine the potential availability of staff to conduct this work; and (2) to use project-specific professional services agreements when resource needs exceed available in-house staffing or require specialized technical expertise.

After assessing the current workload for in-house staff, required expertise, and the relative priority of this project, staff has determined that a hybrid approach of utilizing both consultants and in-house staff would ensure completion of the work in a timely and efficient manner. The consultants will design, develop, and deploy the CIP Budget System Improvements while the in-house staff will provide needed support to host the system for

development and testing, and perform project oversight, reviews, and user acceptance testing. This approach will allow staff to effectively support this project as well as other capital projects.

Summary

This action authorizes a professional services agreement with Arcadis for a not-to-exceed amount of \$550,000 to design, develop, and deploy the CIP Budget System Improvements. See **Attachment 1** for the Allocation of Funds.

Project Milestone

July 2024 – Go Live with CIP Budget System Improvements

Policy

Metropolitan Water District Administrative Code Section 5108: Appropriations

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

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute Item 52778, dated April 12, 2022, the Board appropriated a total of \$600 million for projects identified in the Capital Investment Plan for Fiscal Years 2022/23 and 2023/24.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is not subject to CEQA because it involves organizational or administrative activities of governments that would not result in a direct or indirect physical change to the environment (Section 15378(b)(5) of the State of CEQA Guidelines).

CEQA determination for Option #2:

None required

Board Options

Option #1

Authorize an agreement with Arcadis U.S. Inc. for a not-to-exceed total of \$550,000 to design, develop, and deploy the CIP Budget System Improvements.

Fiscal Impact: Expenditure of \$865,000 in capital funds. All costs will be incurred in the current biennium and have been previously authorized.

Business Analysis: This option will enhance the CIP budgeting process, which will streamline the project data collection, reduce manual data entry, automate workflow and reporting, and increase staff productivity.

Option #2

Do not proceed with the project at this time.

Fiscal Impact: None

Business Analysis: This option would forgo an opportunity to enhance the CIP budgeting process in advance of future CIP budget preparations.

Staff Recommendation

Option #1

4/19/2023

Date

John V. Bednarski Manager/Chief Engineer Engineering Services

4/25/2023

Adel Hagekhalil

Date

General Manager

Attachment 1 - Allocation of Funds

Ref# es12691152

Allocation of Funds for CIP Budget System Improvements

		rent Board Action
	(M	(ay 2023)
Labor		
Studies & Investigations		-
Design, Develop, Test, Deploy		126,000
Owner Costs (Project Management,		45,000
IT Networking, etc.)		
Construction Inspection & Support		-
Metropolitan Force Construction		-
Materials & Supplies		-
Incidental Expenses		-
Professional/Technical Services		
Arcadis U.S. Inc.		550,000
Contracts		_
Remaining Budget		144,000
Total	\$	865,000

This is the initial action for the CIP budget improvements. The total estimated cost to complete this project, including funds allocated for the work described in this action, is \$865,000.



Engineering, Operations, & Technology Committee

CIP Budget System Improvements

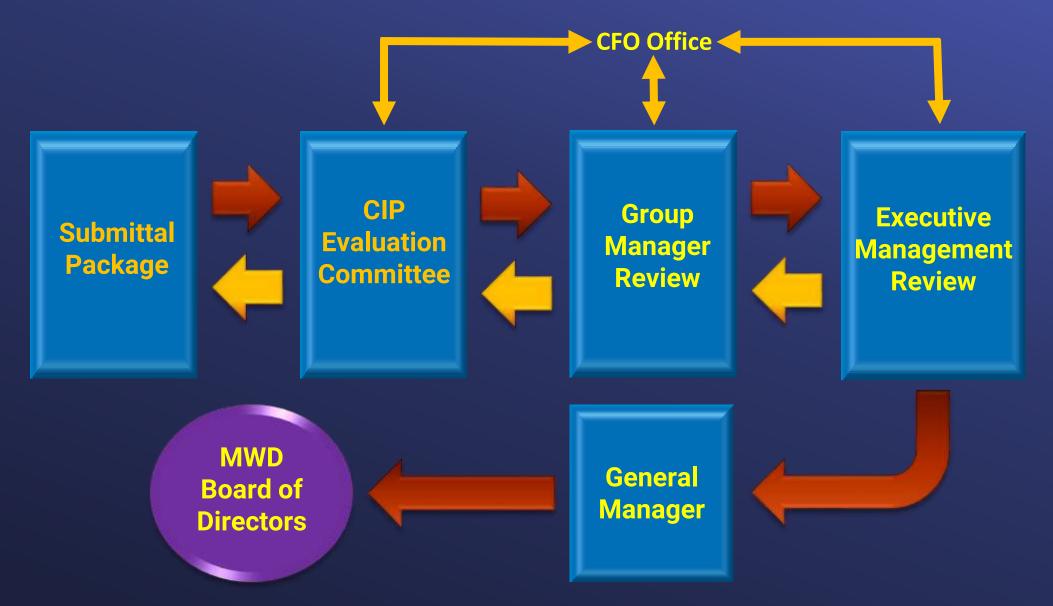
Item 7-2 May 8, 2023

CIP Budget System Improvements

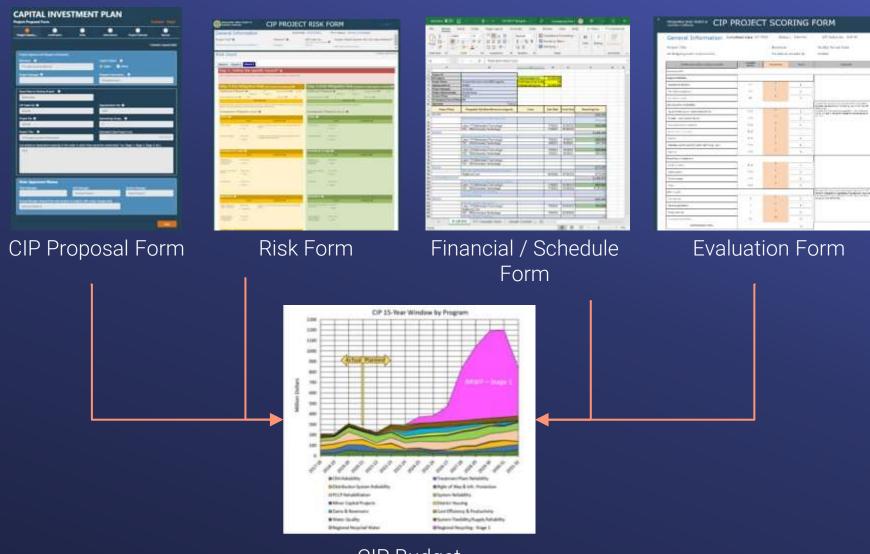
Current Action

 Authorize an agreement with Arcadis U.S. Inc., in an amount not to exceed \$550,000 to design, develop, and deploy the Capital Investment Plan (CIP) Budget System Improvements

CIP Development Process



CIP Budget System Improvements



CIP Budget

CIP Budget System Improvements



Existing SharePoint Proposal Form

Current CIP Budget System

- Web-based SharePoint forms
 - Proposal form
 - Risk form
 - Evaluation form
- Microsoft Excel form
 - Financial / Resource-loaded schedule form
- Each form resides in separate systems with unique workflows & manual tracking
- Current system requires software developer to make edits to any of the forms

New CIP Budget System

- Web-based Enterprise Data Analytics platform
 - Fully integrate all forms and use a single workflow
 - Streamline submittal & approval process
 - Enhance automation of tracking & approval process
 - Reduce administrative effort
 - Enhance user experience
 - Greater capacity and capability to modify & enhance the forms in-house for future business requirements



CIP Budget System Improvements

Alternatives Considered

- Perform CIP Budget System Improvements utilizing in-house staff
 - Assessed in-house staff availability & technical expertise
- Selected Alternative Hybrid approach utilizing both consultant & in-house
 - Consultant: Customizing software
 - In-house: User acceptance testing and support to host the system for development

Existing SharePoint Risk Form

CIP Budget System Improvements

Arcadis U.S. Inc – New Agreement

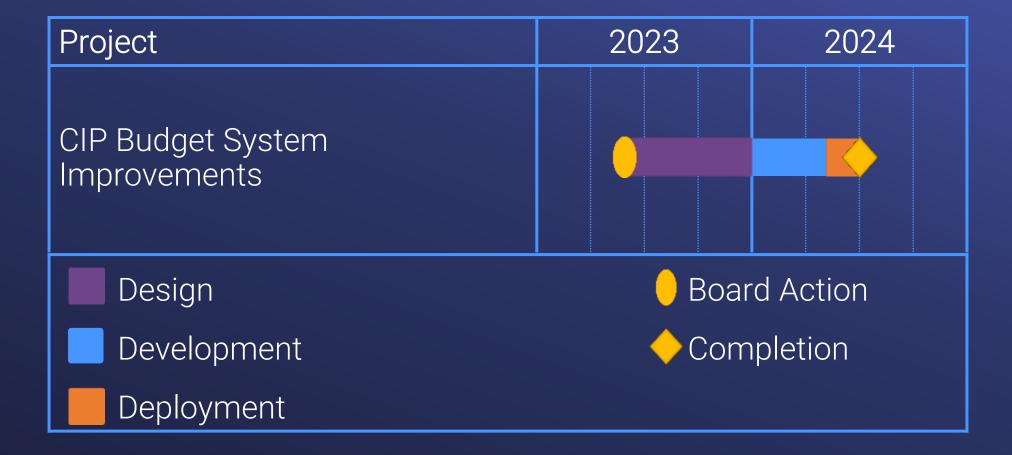
- Selected under Request for Proposal No. 1322
- Scope of work
 - Design, Develop, & Deploy CIP Budget
 System Improvements
 - NTE amount: \$550,000
 - SBE participation level 25%

Allocation of Funds

CIP Budget System Improvements

Metropolitan Labor		
Design support & test		\$ 126,000
Owner Costs (Project management, IT networking, etc.)		45,000
Professional/ Technical Services		
Arcadis U.S. Inc.		550,000
Remaining Budget		144,000
	Total	\$ 865,000

Project Schedule



Board Options

System Improvements.

- Option #1
 Authorize an agreement with Arcadis U.S. Inc. for a not-to-exceed total of \$550,000 to design, develop, and deploy the CIP Budget
- Option #2
 Do not proceed with the project at this time.

Staff Recommendation

Option #1





Board of Directors Engineering, Operations, and Technology Committee

5/9/2023 Board Meeting

7-3

Subject

Authorize an increase of \$1.5 million to an existing agreement with Stantec Consulting Services Inc. for a new not-to-exceed total amount of \$1.69 million for preliminary design of a mechanical dewatering facility at the Joseph Jensen Water Treatment Plant; and an amendment to an agreement with Los Angeles Department of Water and Power to extend Metropolitan's use of two solids lagoons at the Aqueduct Filtration Plant; the General Manager has determined that the proposed actions are exempt or otherwise not subject to CEQA

Executive Summary

In December 2012, Metropolitan's Board authorized an agreement with Los Angeles Department of Water and Power (LADWP) for Metropolitan's use of four lagoons on the grounds of LADWP's Aqueduct Filtration Plant to facilitate the processing of solids materials from the treatment process. Under this strategy, the long-term use of LADWP lagoons, supplemented by a planned mechanical solids dewatering facility at the Joseph Jensen Water Treatment Plant (Jensen plant), would support solids processing for a Jensen flow capacity of 500 million gallons per day (mgd). Feasibility studies have been completed, and staff recommends proceeding with preliminary design of new mechanical dewatering facilities on the Jensen plant site. This action authorizes an amendment to an existing agreement for the design of dewatering facilities at the Jensen plant, and an amendment to the use agreement with LADWP to forego construction of two new lagoons on LADWP's property and to extend the date of use for two of the lagoons.

Details

Background

The Jensen plant was placed into service in 1972 and has a rated capacity of 750 mgd. Located in Granada Hills, the Jensen plant normally treats water from the West Branch of the State Water Project and delivers it to Metropolitan's Central Pool and to exclusive service areas on the west side of the distribution system.

The water treatment process results in settled solids being collected from the Jensen plant's sedimentation basins. These solids materials are currently thickened on-site and pumped through a solids-transfer system to four nearby lagoons on the grounds of LADWP's Los Angeles Aqueduct Filtration Plant. The dried solids are then transported for off-site disposal. Solids produced at the Jensen plant may also be discharged to a city of Los Angeles sanitary sewer. However, sewer disposal is expensive and is limited by the discharge permit.

In 2012, the boards of both Metropolitan and LADWP authorized a 50-year agreement that allowed Metropolitan to use four lagoons, identified as Lagoon Nos. 2, 3, 7 and 8, on the site of LADWP's Aqueduct Filtration Plant for solids dewatering. The four lagoons were expected to process 50 percent of the solids generated at a plant flow rate of 500 mgd under design conditions and could process all solids at lower flows and favorable water quality conditions. With the use of four lagoons, it was expected that construction of the mechanical dewatering facility at the Jensen plant could be deferred seven years or longer, reducing upfront capital expenditures. The agreement also allows the LA Department of Recreation and Parks to use Metropolitan property on the Jensen plant site for recreational ball fields pursuant to a separate lease agreement. Per the use agreement with LADWP, Lagoon Nos. 2 and 3 are to be returned to LADWP by October 1, 2024; Lagoon Nos. 7 and 8 are to be returned to LADWP by October 1, 2062. The agreement also commits LADWP to provide space for Metropolitan to build two new lagoons at the Aqueduct Filtration Plant.

In anticipation of the return of Lagoon Nos. 2 and 3 to LADWP, staff completed a feasibility study to evaluate options for replacing the solids dewatering functionality of Lagoons Nos. 2 and 3. The study took into account the higher groundwater levels in the vicinity of the proposed new lagoons, as well as historical dewatering performance of the existing lagoons, which has been hampered by wet weather conditions. The study recommends that Metropolitan should construct a mechanical dewatering facility at the Jensen plant site sized for 500 mgd rather than building two new lagoons on LADWP property and a mechanical dewatering facility sized for 250 mgd. Initial studies are now complete, and staff recommends proceeding with preliminary design of the dewatering facilities, amending an agreement for engineering services, and amending the agreement with LADWP, as discussed below.

Budget Impact

In accordance with the April 2022 action on the biennial budget for fiscal years 2022/23 and 2023/24, the General Manager will authorize staff to proceed with preliminary design of a solids mechanical dewatering facility at the Jensen plant, pending board authorization of the agreement amendments described below. Based on the current Capital Investment Plan (CIP) expenditure forecast, funds for work to be performed pursuant to this action during the current biennium are available within the CIP Appropriation for Fiscal Years 2022/23 and 2023/24 (Appropriation No. 15508). Approximately \$2.6 million will be incurred in the current fiscal biennium. It is anticipated that all expenditures will be incurred in the current biennium and have been previously authorized.

This project has been reviewed in accordance with Metropolitan's CIP prioritization criteria and was approved by Metropolitan's CIP evaluation team to be included in the Treatment Plant Reliability Program.

Jensen Solids Mechanical Dewatering Facility - Preliminary Design

Planned improvements for Jensen's residual solids processing include the construction of a mechanical dewatering facility and associated solids conveyance piping, chemical feed, and electrical and control systems.

Preliminary design activities include: (1) detailed field investigations; (2) environmental review; (3) preparation of a three-dimensional model and preliminary design drawings; (4) development of final design criteria; (5) updates to piping and instrumentation diagrams; (6) value engineering; (7) preparation of a preliminary design report; and (8) development of a class 3 construction cost estimate. These activities are planned to be conducted by both Metropolitan staff and Stantec Consulting Services Inc. (Stantec) under an existing agreement described below. The scope of work for Stantec includes preliminary design for civil, structural, mechanical, and electrical disciplines. Metropolitan staff will perform preliminary design for instrumentation design, environmental support, project management, and technical review.

A total of \$2.6 million is required for this work. Allocated funds include \$1.5 million for preliminary design activities by Stantec, described below. Allocated funds for Metropolitan staff activities include \$310,000 for instrumentation design, technical oversight, and review of consultant's work; \$325,000 for environmental support, project controls and project management; and \$165,000 for remaining budget. Other allocated funds include \$300,000 for value engineering and geotechnical investigations, which will be performed by specialty firms under contracts planned to be executed under the General Manager's Administrative Code authority.

Engineering Services (Stantec Consulting Services, Inc.) – Amendment to Agreement

In August 2022, an agreement with Stantec was authorized under the General Manager's authority for a not-to-exceed amount of \$190,000 to perform a study for the construction of a new mechanical dewatering facility at Jensen. Stantec was selected via Request for Proposals No. 1302 and was selected based on the firm's extensive experience in the design of large water/wastewater treatment plants with solids dewatering facilities. Stantec has completed study phase activities and is now recommended to perform the preliminary design scope of work discussed above under the amended agreement.

This action authorizes an increase of \$1.5 million to the existing agreement with Stantec Consulting Services Inc. for a new not-to-exceed amount of \$1.69 million to perform the preliminary design of a new mechanical solids dewatering facility at the Jensen plant. For this agreement, Metropolitan has established a Small Business Enterprise participation level of 25 percent. Stantec has agreed to meet this level of participation. The planned subconsultants for this work are listed in **Attachment 2**.

Metropolitan Use of Solids Lagoons at the Aqueduct Filtration Plant - Amendment to Agreement

The existing 50-year use agreement was executed in February 2013 and allows Metropolitan to use Lagoons Nos. 2, 3, 7 and 8 on the grounds of the Los Angeles Aqueduct Filtration Plant site. The terms of the agreement provide the option for Metropolitan to construct two additional lagoons on LADWP property at its own cost and require that Lagoons Nos. 2 and 3 be returned to LADWP by October 1, 2024, based on the assumption that construction of the new lagoons would be completed by this date. Staff has evaluated plans for a long-term solution for Jensen solids management and concluded that a mechanical dewatering facility at Jensen sized to manage solids production from a 500 mgd plant flow coupled with the potential use of existing LADWP Lagoons 7 and 8 provides Metropolitan with the most resilient approach to solids management. This approach would eliminate the need for construction of the new lagoons on LADWP's property.

LADWP and Metropolitan have agreed to amend the language of the lagoon use agreement to allow additional time for Metropolitan to use Lagoons Nos. 2 and 3 during the design and construction of a new mechanical solids dewatering facility for the Jensen plant. Metropolitan's use of Lagoons Nos. 2 and 3 will be extended until Metropolitan's construction of the mechanical solids dewatering facility is complete or until December 31, 2033, whichever occurs first. Metropolitan will retain the use of Lagoons Nos. 7 and 8 for the 50-year term of the use agreement. Consistent with this approach, Metropolitan will forego the opportunity to construct two new lagoons on LADWP property, and new articles will be added to allow LADWP to use Lagoon No. 2, as needed, prior to December 31, 2033.

This action authorizes an amendment to the existing use agreement with LADWP to include changes described above in a form approved by the General Counsel.

Alternatives Considered

Staff evaluated alternative approaches for handling the residual solids at the Jensen plant, including (1) the construction of two new lagoons on the site of LADWP's plant, (2) construction of a mechanical dewatering system sized for the full Jensen plant flow of 750 mgd, and (3) construction of a hybrid dewatering system that relies on mechanical solids handling at the Jensen plant as well as the use of LADWP lagoons. The hybrid alternative that includes dewatering facilities sized for 500 mgd and the use of Lagoons Nos. 7 and 8 at the LADWP site will provide the Jensen plant with the flexibility to address occasional higher flows and higher inlet turbidity. Furthermore, with the construction of mechanical dewatering systems, solids handling capacity will not be impacted by inclement weather or high groundwater in the vicinity of the lagoons. Staff recommends proceeding with the hybrid approach of constructing a 500-mgd mechanical dewatering system at the Jensen plant and using existing LADWP Lagoons Nos. 7 and 8. A mechanical dewatering system will be routinely used for processing solids when the plant flows are less than 500 mgd. In those situations where the Jensen plant treats higher flows or high turbidity conditions are encountered, then the off-site lagoons will be used to supplement the mechanical dewatering capacity.

Alternatives considered to complete the preliminary design for the mechanical solids dewatering facility at the Jensen plant included assessing the availability and capability of in-house Metropolitan staff to complete this work. Metropolitan's staffing strategy for utilizing consultants and in-house Metropolitan staff has been: (1) to assess current work assignments for in-house staff to determine the potential availability of staff to conduct this work; and (2) for long-term rehabilitation projects, when resource needs exceed available in-house staffing or require specialized technical expertise.

After assessing the current workload for in-house staff, the relative priority of this project, and the specialized technical expertise required, staff recommends continuing the use of a professional services agreement to complete the subject project. This approach will allow for the completion of not only this project, but also other budgeted capital projects within their current schedules and ensure that the work is conducted in the most efficient manner possible.

Summary

This action amends an existing agreement with Stantec Consulting Services Inc. for a new not-to-exceed amount of \$1.69 million to provide engineering services for a mechanical solids dewatering facility at the Jensen plant. This action also amends the agreement with LADWP for the use of lagoons on the grounds of the Aqueduct Filtration Plant site to extend Metropolitan's use of Lagoon Nos. 2 and 3. See **Attachment 1** for the Allocation of Funds, **Attachment 2** for the List of Subconsultants, and **Attachment 3** for the Location Map.

Project Milestone

May 2024 - Completion of preliminary design of the Jensen plant's dewatering facility

Policy

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

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute Item 49271, dated December 11, 2012, the Board authorized an agreement with Los Angeles Department of Water and Power for Metropolitan use of solids lagoons at the Aqueduct Filtration Plant.

By Minute Item 52778, dated April 12, 2022, the Board appropriated a total of \$600 million for projects identified in the Capital Investment Plan for Fiscal Years 2022/23 and 2023/24.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed actions are categorically exempt under the provisions of CEQA and the State CEQA Guidelines. The proposed actions consist of basic data collection and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource. This may be strictly for information gathering purposes, or as part of a study leading to an action which a public agency has not yet approved, adopted, or funded. Accordingly, the proposed actions qualify for a Class 6 Categorical Exemptions (Class 6, Section 15306 of the State CEQA Guidelines).

CEQA determination for Option #2:

None required

Board Options

Option #1

- a. Authorize an increase of \$1.5 million to an existing agreement with Stantec Consulting Services Inc. for a new not-to-exceed total amount of \$1.69 million for preliminary design of a mechanical dewatering facility at the Jensen plant.
- b. Authorize an amendment to an agreement with Los Angeles Department of Water and Power to forego construction of two new lagoons on LADWP's property and to extend Metropolitan's use of two solids lagoons at the Aqueduct Filtration Plant.

Fiscal Impact: \$2.6 million in capital funds. All expenditures will be incurred in the current biennium and have been previously authorized.

Business Analysis: This action will allow the Jensen plant to continue processing residual solids in the near term while completing design and construction of a new mechanical dewatering facility.

Option #2

Do not proceed with amending the agreements.

Fiscal Impact: None

Business Analysis: This option would require staff to return to the Board with an alternative approach for addressing the future needs of the Jensen plant to process residual solids.

Staff Recommendation

Option #1

John V. Bednarski

4/21/2023

Date

Manager/Chief Engineer Engineering Services

4/25/2023

Adel Hagekhalil

Date

General Manager

Attachment 1 - Allocation of Funds

Attachment 2 - List of Subconsultants

Attachment 3 - Location Map

Ref# es12689138

Allocation of Funds for Jensen Mechanical Dewatering Facility

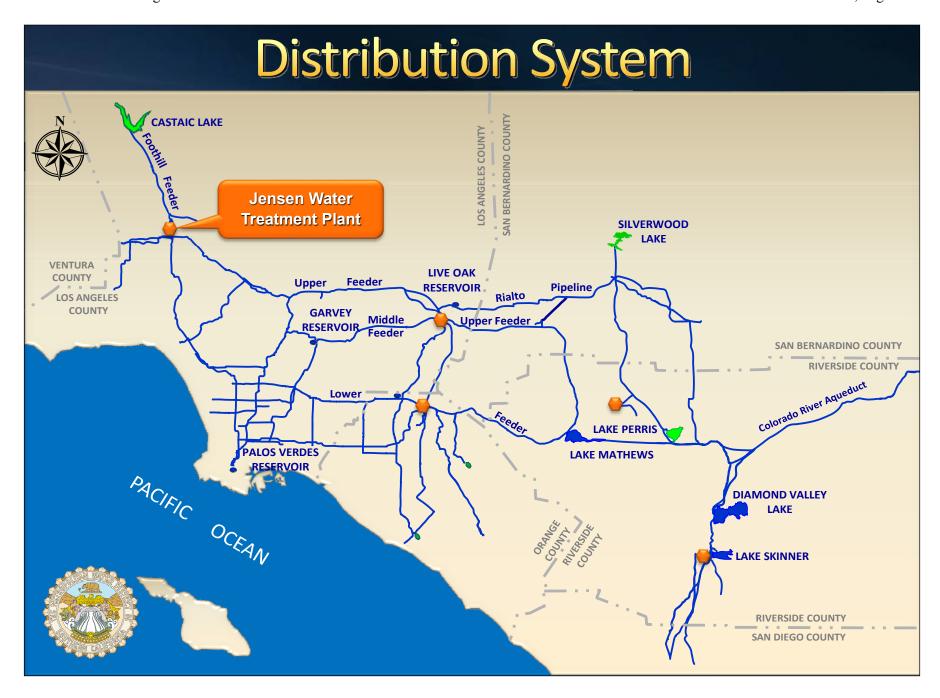
	Current Board Action (May 2023)	
Labor		
Studies & Investigations	\$	-
Preliminary Design		310,000
Owner Costs (Program mgmt., envir. planning)		325,000
Construction Inspection & Support		-
Metropolitan Force Construction		-
Materials & Supplies		-
Incidental Expenses		-
Professional/Technical Services		
Stantec Consulting Services, Inc.		1,500,000
Geotechnical Investigations		230,000
Value Engineering		70,000
Contracts		-
Remaining Budget		165,000
Total	\$	2,600,000

The total amount expended to develop the mechanical dewatering facility at Jensen is approximately \$227,000. The total estimated cost to complete this project, including the amount allocated to date, funds allocated for the work described in this action, and future construction costs, is anticipated to range from \$45 million to \$55 million.

The Metropolitan Water District of Southern California

Subconsultants for Agreement with Stantec Consulting Services Inc. Jensen Mechanical Dewatering Facility

Subconsultant and Location	Service Category; Specialty
T2 Utilities	Subsurface Utility Engineering
Hungtington Beach, CA	
Beyaz and Patel	Structural Design
San Diego, CA	
ProjectLine Technical Services	Mechanical Design
Costa Mesa, CA	





Engineering, Operations, & Technology Committee

Jensen Solids Mechanical Dewatering

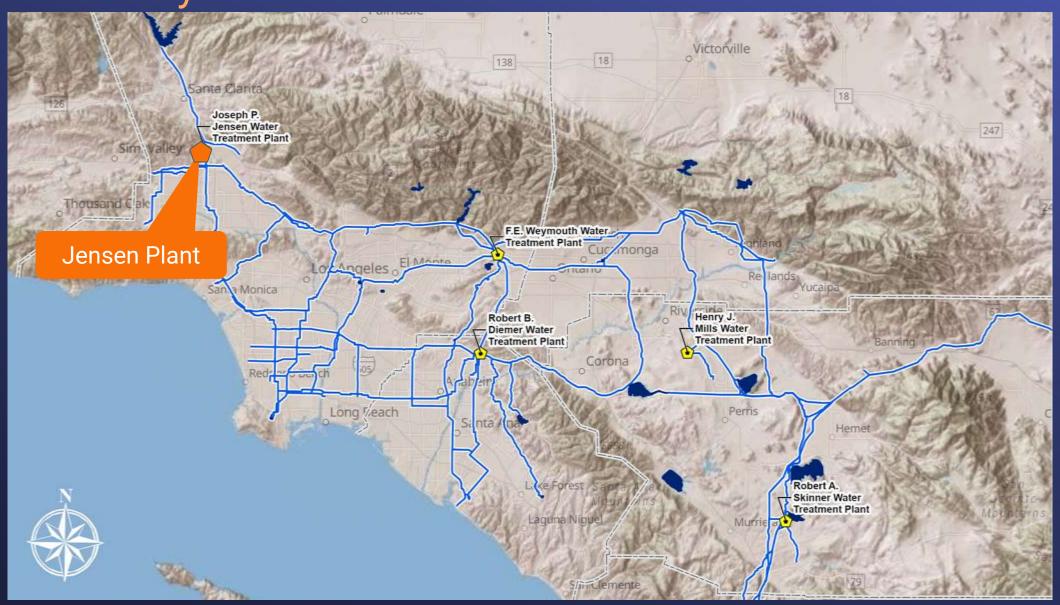
Item 7-3 May 8, 2023

Jensen Solids Mechanical Dewatering Solids Handling

Current Action

- Authorize an increase of \$1.5 million to an existing agreement with Stantec Consulting Services Inc. for a new not-to-exceed total amount of \$1.69 million for preliminary design of a mechanical dewatering facility at the Joseph Jensen Water Treatment Plant
- Amend an agreement with Los Angeles
 Department of Water & Power to extend
 Metropolitan's use of two solids lagoons at the
 Aqueduct Filtration Plant

Distribution System



Jensen Solids Handling LADWP Lagoons

Background



Jensen Solids Handling LADWP Lagoons

Background



4 lagoons could process all solids at lower flows and favorable WQ conditions

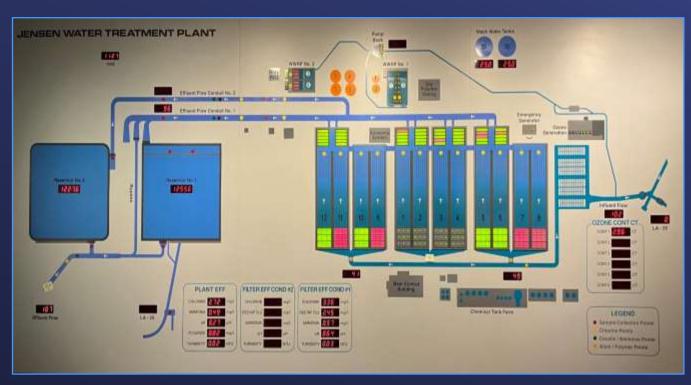
Background – Existing LADWP-MWD Agreement

- 50-year Lagoon Use Agreement
 - Lagoons 2 & 3: through 10/1/2024
 - Lagoons 7 & 8: through 10/1/2062
- LA Dept. of Rec. & Parks sports fields
 - 45 yr. lease, 10/1/57
- Metropolitan's option to build two new lagoons to replace Lagoons 2 & 3 on LADWP's property



Typical LADWP Lagoon

Recent Operations under Extreme Conditions



Wide Flow Range



Castaic Lake - Jan. 2023

Project Scope - Solids Mechanical Dewatering

- 500 MGD mechanical dewatering to supplement usage of two lagoons at Jensen
- Met staff will build upon previous experience w/ design & construction at Weymouth, Diemer & Skinner
- Mechanical dewatering technology & location to be selected during preliminary design



Mechanical dewatering at Weymouth

Solids Mechanical Dewatering Proposed Location



Jensen Solids Mechanical Dewatering

Alternatives Considered

- Construct two new lagoons
 - Still requires mechanical dewatering for high turbidity source water
- 750 MGD Mechanical Dewatering
 - Facility can be upgraded in future if required
- Selected Alternative Hybrid Approach
 - 500 MGD Mechanical Dewatering
 - Two lagoons at LAAFP
 - Cost-effective & flexible
 - Consistent with approach set forth in original 2012 Board action

Jensen Solids Mechanical Dewatering Lagoon Use Agreement

MWD/LADWP – Lagoon Use Agreement Amendment

- Amend existing agreement to:
 - Extend use of Lagoons 2 & 3 until completion of construction of mechanical dewatering facility or December 2033, whichever occurs first
 - Allow LADWP's use of Lagoon 2 upon request until December 2033
 - Continue use of Lagoons 7 & 8 through 2062
 - Forego option to build two new Lagoons 9 & 10

Jensen Solids Mechanical Dewatering Preliminary Design

Stantec – Agreement Amendment

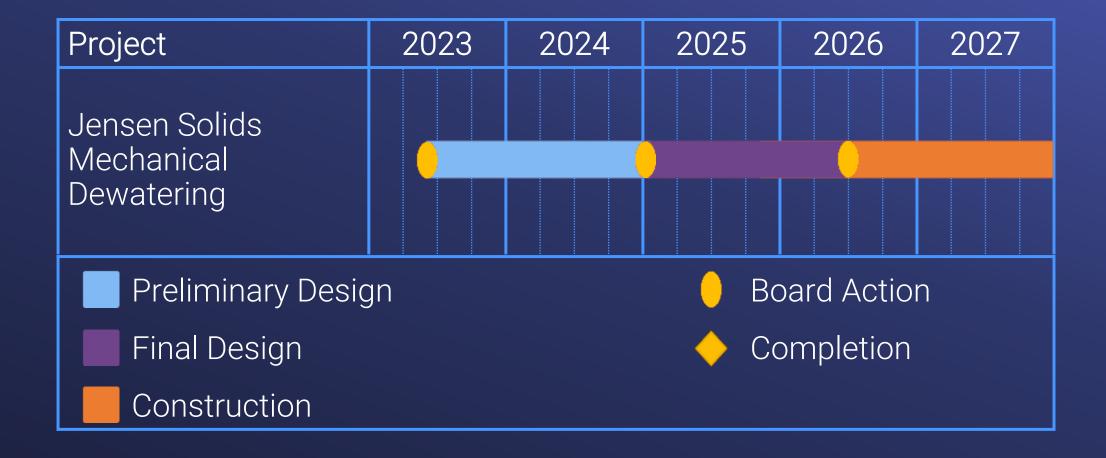
- Selected based on firm's extensive experience
 - Large water/wastewater solids dewatering design
 - Selected via RFP 1302
- Scope of Work
 - Field investigations & alternative evaluations
 - Preparation of 3D models, preliminary design & final design criteria
 - Construction cost estimate
- NTE amount: \$1.69 M
- SBE participation level: 25%

Allocation of Funds

Jensen Solids Mechanical Dewatering

Metropolitan Labor		
Preliminary Design		\$ 310,000
Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support)		325,000
Professional/Technical Services		
Stantec Consulting Services, Inc.		1,500,000
Geotechnical Investigations		230,000
Value Engineering		70,000
Remaining Budget		165,000
	Total	\$ 2,600,000

Project Schedule



Board Options

- Option #1
 - a. Authorize an increase of \$1.5 million to an existing agreement with Stantec Consulting Services Inc. for a new not-to-exceed total amount of \$1.69 million for preliminary design of a mechanical dewatering facility at the Jensen plant.
 - b. Authorize an amendment to an agreement with Los Angeles Department of Water and Power to forego construction of two new lagoons on LADWP's property and to extend Metropolitan's use of two solids lagoons at the Aqueduct Filtration Plant.
- Option #2
 Do not proceed with amending the agreements.

Staff Recommendation

Option #1





Board of Directors Engineering, Operations, and Technology Committee

5/9/2023 Board Meeting

7-4

Subject

Amend the Capital Investment Plan for fiscal years 2022/2023 and 2023/2024 to include the Diemer Helicopter Hydrant Facility project; the General Manager has determined that the proposed actions are exempt or otherwise not subject to CEQA

Executive Summary

This action amends the Capital Investment Plan (CIP) to include a project to install a helicopter hydrant facility at the Robert B. Diemer Water Treatment Plant (Diemer plant). A helicopter hydrant consists of an open top tank and supporting infrastructure that allows helicopters to quickly collect water to fight nearby fires. Metropolitan will collaborate with the Yorba Linda Water District (YLWD) on the development of this project that has benefits to both agencies. Approval of this project at this time will allow staff to design, procure and install the required equipment in time to take advantage of federal grant funds that were made available to YLWD by the United States Forest Service (USFS).

Details

Background

The Diemer plant was placed into service in 1963 with an initial capacity of 200 million gallons per day (mgd) and was expanded in 1969 to its present capacity of 520 mgd. It delivers a blend of waters from the Colorado River Aqueduct and State Water Project to Metropolitan's Central Pool and to an exclusive service area in Orange County. The Diemer plant is located within the city of Yorba Linda, and is immediately adjacent to Chino Hills State Park, which features a hilly, steep terrain populated by dense trees and vegetation.

In November 2008, the Freeway Complex Fire burned westward from Corona past the Diemer plant. Slopes on the east, north, and west sides of the plant were burned, which prompted the Orange County Fire Authority (OCFA) to classify the Diemer site as a high fire hazard risk area. Following that event, Metropolitan retrofitted the Diemer plant's control room with new fire protection measures including the addition of an independent high efficiency heating, ventilating, and air conditioning system to enhance smoke control in the event of a local fire occurrence; and installation of a special fire alarm and occupant notification system, which was coordinated with and approved by the OCFA. In October 2020, severe wildfires occurred within one mile of the Diemer site. The use of the recently installed wildfire smoke control filtration equipment allowed staff to continue plant operations while monitoring fire containment.

To date, Metropolitan staff continues to assess potential initiatives to enhance safety and reduce the risk of damage or disruption to plant operations in the event of fire. A new minor capital project was recently approved to design and construct an engineered water tank system at the Diemer plant site to allow water-dropping helicopters to fill up with water while the helicopters are in the air. During the initial planning of this system, Metropolitan staff learned that the YLWD has successfully designed and constructed two helicopter hydrants in fire-prone locations, each of them provided with an open top tank and supporting infrastructure that allow helicopters to quickly collect water to fight nearby fires.

In September 2022, the USFS awarded a grant to YLWD in the amount of \$500,000 to construct a new helicopter hydrant in the area. YLWD and Metropolitan staff agreed that a joint effort to fund, construct, and operate a

single helicopter hydrant facility and supporting improvements at the Diemer plant site is more efficient than constructing two separate systems near each other.

Staff and YLWD have discussed the terms of a memorandum of understanding (MOU) to allow the use of the \$500,000 in grant funding, and monetary and in-kind contributions, to jointly develop the project. Metropolitan will contribute \$480,000 in funds and will perform the design, procurement, and construction activities as described below. YLWD will provide up to \$500,000 in grant funding; technical support during design and construction; coordination with the California Department of Forestry and Fire Protection (Cal Fire) and OCFA to ensure design and operational conditions are acceptable to both agencies. Metropolitan will own and operate the facility after construction is completed.

Staff recommends this collaboration between YLWD and Metropolitan to maximize the value of the grant and the benefits of this project to both agencies. Staff recommends proceeding with the project at this time to install a helicopter hydrant facility at the Diemer plant site to enhance response to wildfire hazards, protect Metropolitan assets, and effectively utilize available grant funding. Upon board approval of this action, staff will develop a formal MOU between the two agencies to memorialize the agreement.

Budget Impact

In April 2022, the Board appropriated funds and authorized the General Manager to initiate or proceed with work on all capital projects identified in the CIP, subject to any limits on the General Manager's authority and CEQA requirements. This action amends the CIP to include the Diemer Helicopter Hydrant Facility project. It is not anticipated that the addition of this project to the CIP will increase CIP expenditures in the current biennium beyond those which have been previously approved by the Board. This project anticipates an expenditure of \$480,000 in Metropolitan's capital funds and \$500,000 in USFS grant funds. Approximately \$480,000 will be incurred in the current biennium and has been previously authorized. The remaining funds from this action will be accounted for and appropriated under the next biennial budget. This project has been reviewed in accordance with Metropolitan's CIP prioritization criteria and was approved by Metropolitan's CIP Evaluation Team to be included in the Treatment Plant Reliability Program.

Diemer Helicopter Hydrant Facility - Design, Procurement, and Construction

This project will include design and construction of a new helicopter hydrant facility at the Diemer plant site. Planned activities include conducting field surveys and materials testing, and development of a site plan for the facility; preparation of drawings and specifications for procurement of the new hydrant tank; environmental analysis and documentation, as required by CEQA; design and construction of the tank foundation, a helicopter pad, and other related infrastructure; and project management. The procurement contract for the helicopter hydrant tank is planned to be awarded under the General Manager's authority. All other work will be performed by Metropolitan staff.

A total of \$980,000 is required for this action. Allocated funds include \$143,000 for field investigation; \$90,000 for design activities as described above; \$190,000 for procurement of the hydrant tank and construction materials; \$20,000 for fabrication inspection; \$420,000 for Metropolitan force construction; \$70,000 for environmental support and project management; and \$47,000 for remaining budget. **Attachment 1** provides the allocation of funds. The final design cost as a percentage of the estimated construction cost is approximately 14.8 percent. Engineering Services' goal for design of projects with construction cost less than \$3 million is 9 to 15 percent. The construction cost for this project is \$610,000, which includes \$420,000 for Metropolitan force construction and \$190,000 for procurement of the hydrant tank.

Alternatives Considered

Staff considered delaying the project and incorporating it into the next biennial CIP budget. However, this would extend the project completion beyond the allowable timeline established by the USFS to access grant funds obtained by YLWD. The selected alternative allows first responders to save critical time and effectively fight fires by offering a strategically placed, quick-fill, pilot-operated water source that can fill in minutes. This helicopter hydrant offers Metropolitan an innovative way to safeguard life, property, and the environment for the benefit of the community and the Diemer plant.

Summary

This action amends the current CIP to include installation of a helicopter hydrant facility at the Diemer plant site. This project has been evaluated and recommended by Metropolitan's CIP Evaluation Team, and funds are available within the fiscal years 2022/23 and 2023/24 capital expenditure plan. See **Attachment 1** for the Allocation of Funds and **Attachment 2** for the Location Map.

Project Milestone

December 2024 – Completion of construction of the helicopter hydrant facility at the Diemer plant

Policy

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute Item 52778, dated April 12, 2022, the Board appropriated a total of \$600 million for projects identified in the Capital Investment Plan for Fiscal Years 2022/2023 and 2023/2024.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is not defined as a project under CEQA (Public Resources Code Section 21065, State CEQA Guidelines Section 15378(b)(5)) because the amendment involves organizational or administrative activities and general policy and procedure making that would not result in a direct or indirect physical change to the environment. The study and design associated with the helicopter hydrant facility is categorically exempt under the provisions of CEQA and the State CEQA Guidelines. The proposed action provides for data collection, design, and technical support with no possibility of significantly impacting the physical environment. Accordingly, the proposed action qualifies under Class 1 and Class 6 (Sections 15301 and 15306) of the State CEQA Guidelines.

Prior to formal approval of any proposed construction, CEQA documentation will be prepared and processed in accordance with CEQA and the State CEQA Guidelines.

CEQA determination for Option #2:

None required

Board Options

Option #1

Amend the Capital Investment Plan for fiscal years 2022/2023 and 2023/2024 to include the Diemer Helicopter Hydrant Facility project.

Fiscal Impact: Expenditure of \$480,000 in capital funds and \$500,000 in USFS grant funds. It is not anticipated that the addition of the project listed above to the CIP will increase CIP expenditures in the current biennium beyond those which have been previously approved by the Board. Approximately \$480,000 will be incurred in the current biennium and has been previously authorized. The remaining funds from this action will be accounted for and appropriated under the next biennial budget.

Business Analysis: This option will enhance safety and operational resiliency at the Diemer plant.

Option #2

Do not proceed with the project at this time.

Fiscal Impact: Forfeit the opportunity to use \$500,000 in USFS grant funds secured by YLWD **Business Analysis:** This option would forego an opportunity for Metropolitan's service area to use USFS grant funds to enhance safety and operational resiliency at the Diemer plant.

Staff Recommendation

Option #1

4/17/2023

Date

John V. Bednarski Manager/Chief Engineer Engineering Services

4/25/2023

Adel Hagekhalil General Manager Date

Attachment 1 - Allocation of Funds

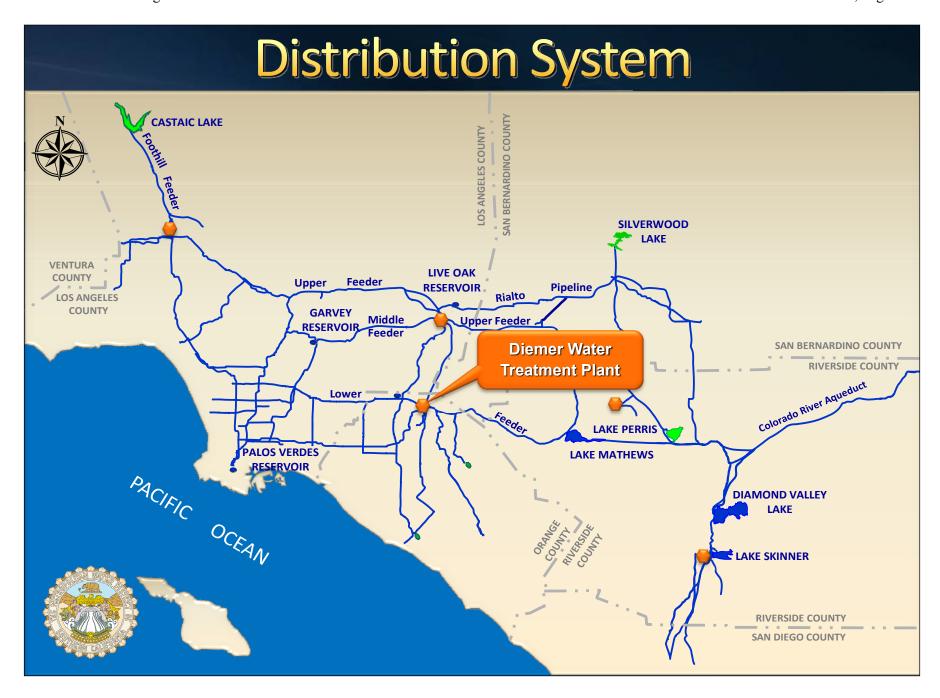
Attachment 2 – Location Map

Ref# es12692689

Allocation of Funds for Diemer Helicopter Hydrant Facility

	Current Board Action (May 2023)		
Labor			
Studies & Investigations	\$ 143,000		
Final Design	90,000		
Owner Costs (Program mgmt.,	70,000		
envir. planning)			
Submittal Review & Record Drwgs.	-		
Construction Inspection & Support	20,000		
Metropolitan Force Construction	420,000		
Materials & Supplies	190,000		
Incidental Expenses	-		
Professional/Technical Services	-		
Contracts	_		
Remaining Budget	 47,000		
Total	\$ 980,000		

This is the initial allocation of funds for the helicopter hydrant facility at the Diemer plant. The total estimated cost to complete this project is \$980,000, which includes \$500,000 in USFS grant funds.





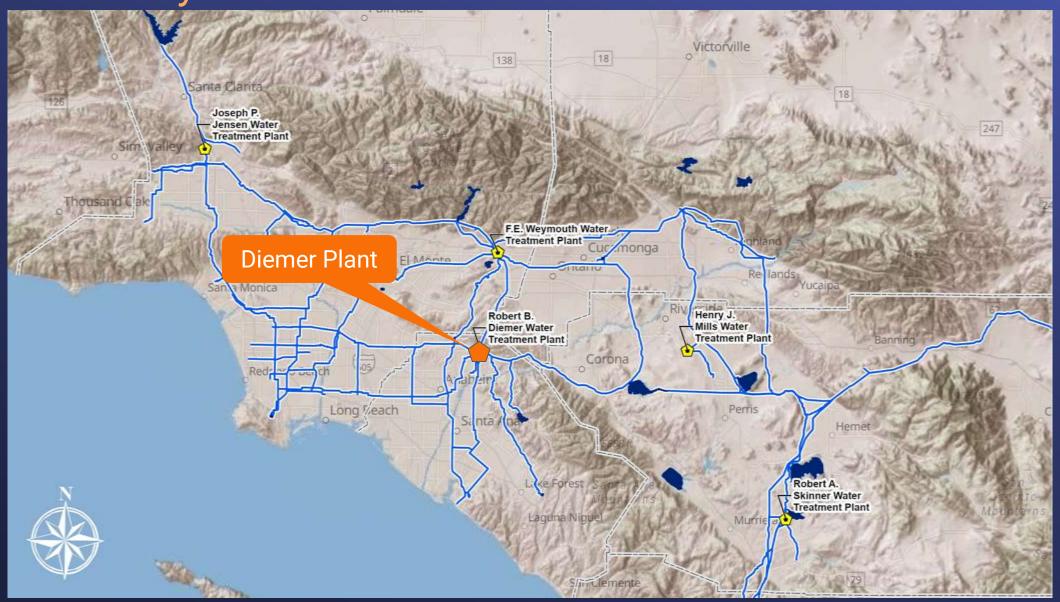
Engineering, Operations, & Technology Committee

Diemer Helicopter Hydrant Facility

Item 7-4 May 8, 2023

Current Action

Diemer Helicopter Hydrant Facility Amend the Capital Investment Plan for fiscal years 2022/2023 & 2023/2024 to include the Diemer Helicopter Hydrant Facility project Distribution System



Background – Wildfire History

- 2008 Freeway Complex Fire burned east, north & west side slopes of the plant
 - OCFA classified Diemer as high fire risk area
- Metropolitan Response retrofitted control room with new smoke control filtration equipment



2008 Freeway Complex Fire

Background – Wildfire History

- 2020 Blue Ridge Fire within 1 mile of Diemer
- New smoke control filtration equipment allowed staff to continue operations
- Metropolitan Response -Approval of minor capital project to design & construct open-top water tank for firefighting helicopters

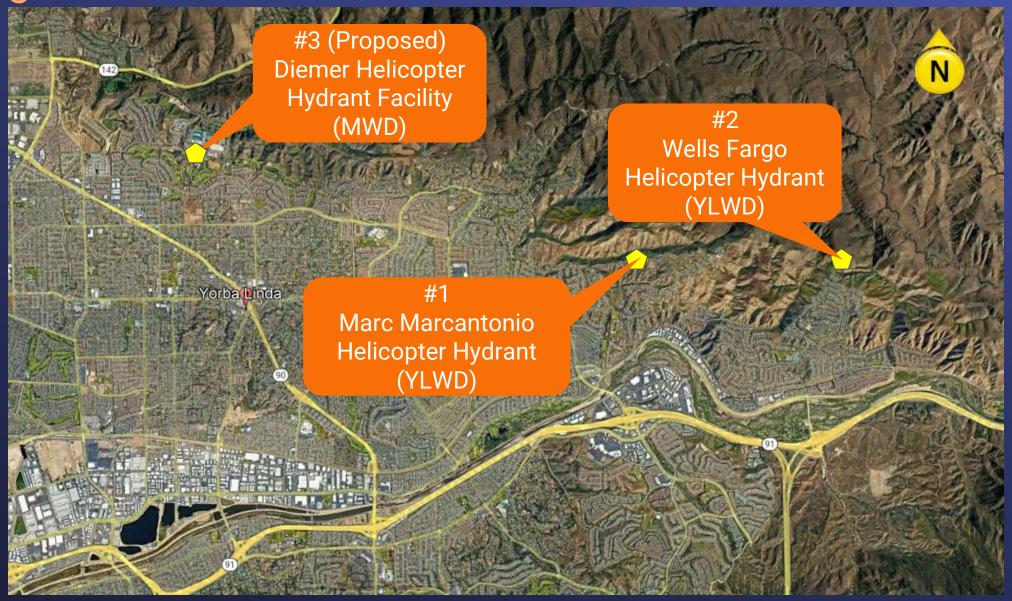


2020 Blue Ridge Fire

- Metropolitan regularly coordinates with local first-responders and Orange County Emergency Management agencies
 - Nov. 17, 2022 Diemer hosted a full-scale exercise for a hazardous materials response / security incident



2022 Diemer Full-Scale Exercise



- Yorba Linda Water District (YLWD)
 - September 2022 YLWD received United States Forest Service (USFS) \$500k grant for a new helicopter hydrant near Diemer
- YLWD & Metropolitan are proposing a partnership to build a third helicopter hydrant



YLWD Helicopter Hydrant in-use



YLWD Helicopter Hydrant Tank

- YLWD & Metropolitan share a common goal for wildfire resilience in the area
- YLWD & Metropolitan agreed to collaborate resources for the construction of a helicopter hydrant facility at Diemer plant
 - Allows first responders access to a quick-fill water source
 - Innovative way to safeguard life, property & environment for benefit community & Diemer plant

Alternatives Considered

- Delay project & include in next CIP budget
 - Extends schedule beyond USFS grant timeline
- Selected Alternative Install helicopter hydrant facility in current CIP budget
 - Takes advantage of USFS grant funding
 - Expedites commissioning of key facility for wildfire control

Scope of Work

- Metropolitan
 - Design, procure, & construct facility (open-top water tank & landing pad)
 - Own & operate facility
- YLWD
 - Provide \$500k in grant funding to Metropolitan
 - USFS, Cal Fire & OCFA coordination
 - Technical support in design & construction

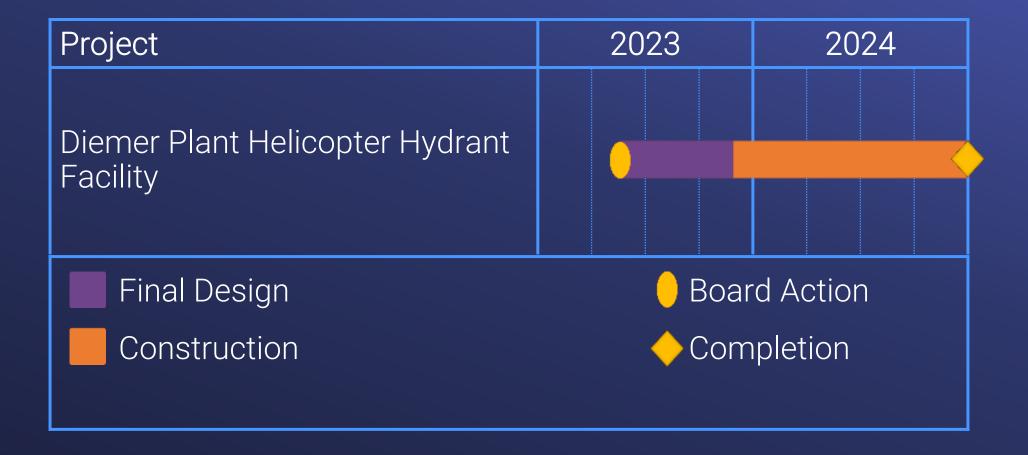
Allocation of Funds

Diemer Plant Helicopter Hydrant Facility

Metropolitan Labor			
Studies & Investigations		\$	143,000
Final Design			90,000
Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support)			70,000
Construction Inspection & Support			20,000
Force Construction			420,000
Materials (Tank)			190,000
Remaining Budget			47,000
	Total	(\$ 980,000

^{*\$480,000} capital and \$500,000 Grant Funds

Project Schedule



Board Options

- Option #1
 - Amend the Capital Investment Plan for fiscal years 2022/2023 and 2023/2024 to include the Diemer Helicopter Hydrant Facility project.
- Option #2
 - Do not proceed with the project at this time.

Staff Recommendation

Option #1





Board of Directors Engineering, Operations, and Technology Committee

5/9/2023 Board Meeting

7-5

Subject

Award a \$1,466,665 procurement contract to B&K Valves & Equipment Inc. for 72 combination air release/vacuum valves to be installed on San Diego Pipeline Nos. 3 and 5; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

The existing air release/vacuum valves located on San Diego Pipeline Nos. 3 and 5 have deteriorated beyond repair and need to be replaced. Air release/vacuum valves release air from the pipeline or admit air into the pipeline to improve hydraulic efficiency, prevent water hammer under hydraulic surge conditions, or prevent collapse of the pipeline under potential vacuum conditions. Replacement of the valves is needed to ensure normal operation of the pipelines. This action awards a procurement contract for 72 replacement air release/vacuum valves. The valves will be installed by Metropolitan forces.

Details

Background

San Diego Pipeline No. 3 begins at Lake Skinner and extends southward into San Diego County. The pipeline is 75 inches in diameter and is comprised of precast concrete and welded steel sections. It was completed in 1960 and supplies up to 280 cubic feet per second (cfs) of untreated water to Western Municipal Water District and San Diego County Water Authority. San Diego Pipeline No. 5 also begins at Lake Skinner and extends approximately 18 miles south to the delivery point in San Diego County. The pipeline is 96 inches in diameter with both prestressed concrete and welded steel pipe sections. It was completed in 1982 and supplies up to 500 cfs of untreated water to the San Diego County Water Authority.

Both pipelines use combination air release/vacuum valves located at high points along the pipeline to protect the pipeline and maintain its efficiency. During operation or filling of the pipeline, air must be released when it builds up at high points or flow will be impeded. When the pipeline is dewatered, air must be introduced into the pipeline, or a vacuum condition can develop inside the pipe which could cause collapse or buckling.

The existing air release/vacuum valves on San Diego Pipeline Nos. 3 and 5 are original equipment and have been in service for approximately 60 years and 40 years, respectively. There are a total of 72 valves that range in size from 8 inches in diameter to 10 inches in diameter. Air release/vacuum valves are normally open to release air or prevent a vacuum within the pipe. As water level rises, a float shuts off the valve. Failure of an aging float mechanism could lead to an unplanned water discharge.

Staff recommends proceeding with the procurement of replacement air release/vacuum valves at this time. Once delivered, the valves will be replaced by Metropolitan staff.

Budget Impact

Based on the current Capital Investment Plan (CIP) expenditure forecast, funds for the procurement are available within the CIP Appropriation for Fiscal Years 2022/23 and 2023/24 (Appropriation No. 15525). This project anticipates an expenditure of \$1,700,000 in capital funds. Approximately \$1.0 million will be incurred in the current biennium and have been previously authorized. The remaining funds from this action will be accounted for and appropriated under the next biennial budget. This project has been reviewed in accordance with

Metropolitan's CIP prioritization criteria and was approved by Metropolitan's CIP evaluation team to be included in the Distribution System Reliability Program.

San Diego Pipeline Nos. 3 and 5 Air Release/Vacuum Valve Replacement – Procurement and Installation

The San Diego Pipeline Nos. 3 and 5 Air Release/Vacuum Valve Replacement project will replace all 72 existing valves in kind. The valves will be delivered to the Skinner plant where they will be stored in a controlled environment until they are scheduled for installation. A total of \$1,700,000 has been allocated for the work associated with the valve procurement. In addition to the amount of the contract described below, other funds to be allocated include \$62,000 for inspections; \$18,000 for submittals review; \$68,000 for project management, project controls, and contract administration; and \$85,335 for remaining budget.

Attachment 1 provides the allocation of the required funds. The total estimated cost of the replacement including the amount allocated to date, and funds allocated for the work described in this action is approximately \$2,165,000.

Award of Procurement Contract (B&K Valves & Equipment Inc.)

Request for Bids No. 401784 for the procurement of 72 air release and vacuum valves was advertised on November 30, 2022. As shown in **Attachment 2**, one bid was received and opened on December 13, 2022. The low bid from B&K Valves & Equipment Inc., in the amount of \$1,466,665, complies with the requirements of the specifications. This amount includes all sales and use taxes imposed by the state of California. Staff investigated why only one bid was received and determined that there are a limited number of valve manufacturers that routinely manufacture valves that meet the specifications required for this project. The budgetary estimate for this material, based on a survey of vendors, ranged from \$1.2 million to \$1.5 million. As a procurement contract, there are no subcontracting opportunities.

This action awards a \$1,466,665 procurement contract to B&K Valves & Equipment Inc. for 72 air release and vacuum valves to be installed on San Diego Pipeline Nos. 3 and 5.

Alternative Considered

Staff initially considered bidding out the installation of air release and vacuum valves. Although this alternative may have expedited the replacement of the valves, it would have been more expensive because it would have required multiple construction crews, advertisement for bids, and additional construction inspection. The selected alternative in which Metropolitan forces replace the valves during planned maintenance activities will reduce costs and improve efficiencies.

Summary

This action awards a \$1,466,665 contract to B&K Valves & Equipment Inc. for procurement of 72 air release and vacuum valves for San Diego Pipeline Nos. 3 and 5. See **Attachment 1** for the Allocation of Funds, **Attachment 2** for the Abstract of Bids, and **Attachment 3** for the Location Map.

Project Milestone

June 2024 – Delivery of valves to the Skinner plant

Policy

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

Metropolitan Water District Administrative Code Section 8140: Competitive Procurement

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute Item 52778, dated April 12, 2022, the Board appropriated a total of \$600 million for projects identified in the Capital Investment Plan for Fiscal Years 2022/2023 and 2023/2024.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is categorically exempt under the provisions of CEQA and the State CEQA Guidelines. The overall activities involve the funding, design, inspection, minor alterations, and replacement of existing public facilities with negligible or no expansion of use and no possibility of significantly impacting the physical environment. Accordingly, the proposed action qualifies under Class 1, Class 2, and Class 6 Categorical Exemptions (Sections 15301, 15302, and 15306 of the State CEQA Guidelines).

CEQA determination for Option #2:

None required

Board Options

Option #1

Award a \$1,466,665 contract to B&K Valves & Equipment Inc. for procurement of 72 replacement air release and vacuum valves for San Diego Pipeline Nos. 3 and 5.

Fiscal Impact: Expenditure of \$1,700,000 in capital funds. Approximately \$1.0 million will be incurred in the current biennium and have been previously authorized. The remaining funds from this action will be accounted for and appropriated under the next biennial budget.

Business Analysis: This option will improve the operational reliability of water deliveries to member agencies with connections to San Diego Pipeline Nos. 3 and 5.

Option #2

Do not proceed with this project at this time.

Fiscal Impact: None

Business Analysis: This option would forego improving the reliability of service to those member agencies with connections to San Diego Pipeline Nos. 3 and 5 and may result in costly urgent repairs to the pipelines.

Staff Recommendation

Option #1

hn V. Bednarski

chief Engineer/Group Manager

Engineering Services

Adel Hagekhalil

General Manager

Gerierai Mariayer

Attachment 1 - Allocation of Funds

Attachment 2 - Abstract of Bids

Attachment 3 – Location Map

Ref# es12693200

4/19/2023

Date

4/25/2023

Date

Allocation of Funds for San Diego Pipeline Nos. 3 & 5 Air Release/Vacuum Valve Replacement

	Current Board Action	
	(N	May 2023)
Labor		
Studies & Investigations	\$	-
Final Design		-
Owner Costs (Program mgmt.,		68,000
contract admin.)		
Submittals Review & Record Drwgs.		18,000
Fabrication Inspections 50,00		
Materials & Supplies		-
Incidental Expenses 12,00		
Professional/Technical Services		
Right-of-Way		
Equipment Use		
Contracts		
B&K Valves & Equipment, Inc. 1,466,6		1,466,665
Remaining Budget		85,335
Total	\$	1,700,000

The total amount expended to date for the San Diego Pipeline Nos. 3 and 5 Air Release and Vacuum Valve Replacement is approximately \$465,000. The total estimated cost to complete the project, including the amount appropriated to date and funds allocated for the work described in this action, is \$2.17 million.

The Metropolitan Water District of Southern California

Abstract of Bids Received on December 13, 2022

RFB No. 401784 Furnishing Air Release/Vacuum Valves for San Diego Pipeline Nos. 3 & 5

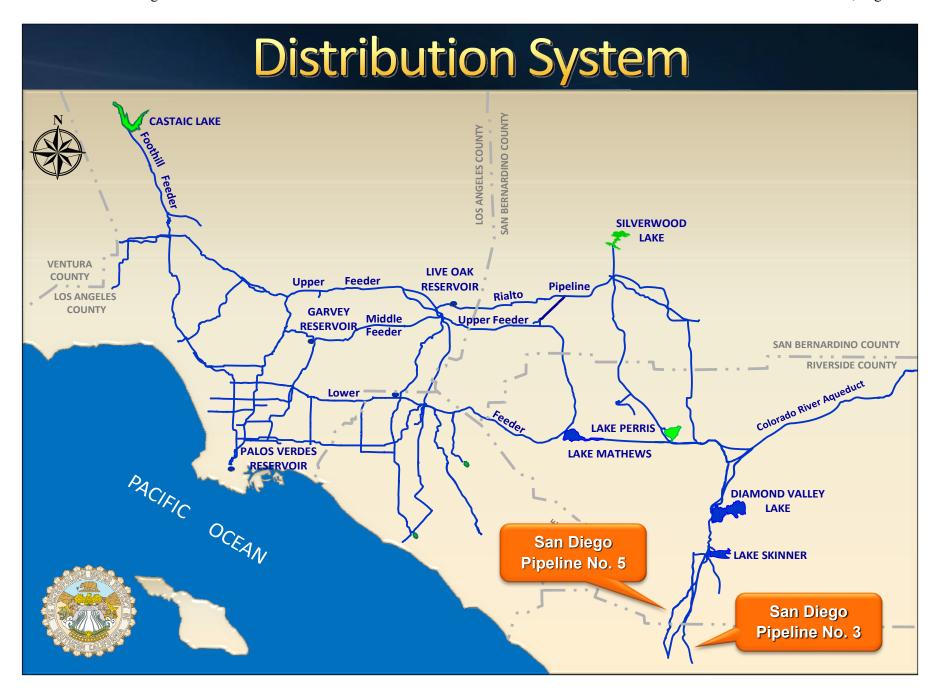
The work consists of furnishing and delivering 72 combination air release/vacuum valves in 8-inch and 10-inch diameters.

Engineer's estimate: \$1.2 million to \$1.5 million

Bidder and Location	Base Bid Price Total 1,2
B&K Valves & Equipment Inc. Carlsbad, CA	\$1,466,665

¹ As a procurement contract, there are no subcontracting opportunities.

² Includes sales and use taxes of 10.25 percent imposed by the state of California





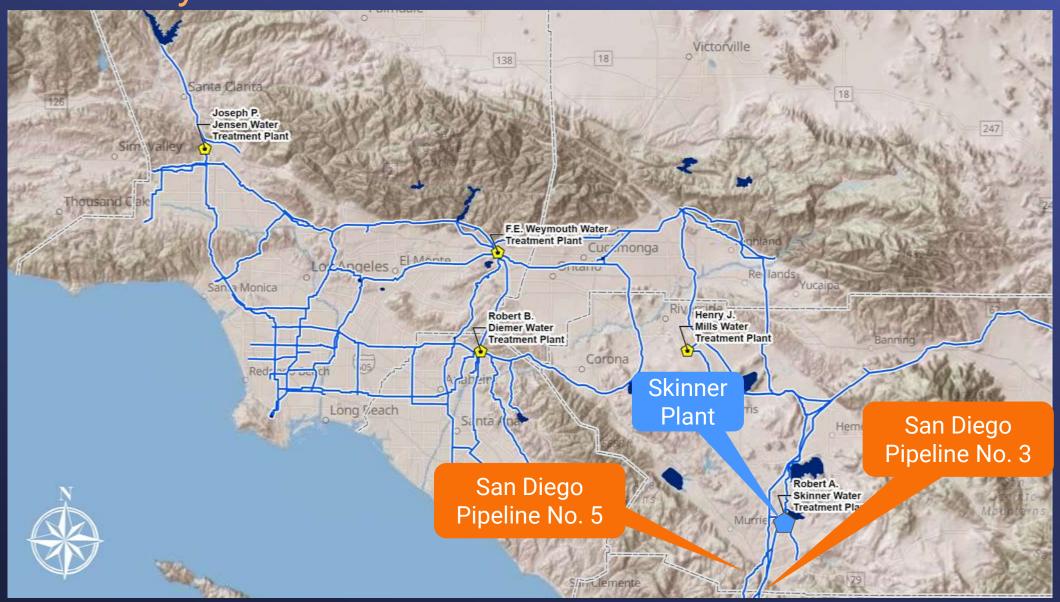
Engineering, Operations, & Technology Committee

San Diego Pipeline Nos. 3 & 5 Air Release/Vacuum Valve Replacement

Item 7-5 May 8, 2023

Current Action

San Diego Pipeline Nos. 3 & 5 Air Release/ Vacuum Valve Replacement Award a \$1,466,665 procurement contract to B&K Valves & Equipment Inc. for 72 combination air release/vacuum valves to be installed on San Diego Pipeline Nos. 3 & 5 Distribution System



Air Release/Vacuum Valves

- Air Release/Vacuum Valves (AR/VVs) used for proper operation
- Installed at pipeline high points
 - Air released when watered
 - Air introduced during dewatering
- AR/VVs on San Diego Pipeline No. 3 & No. 5 are original equipment
 - 60 years & 40 years old, respectively
 - Corroded
 - A total of 72 AR/VVs on pipeline require replacement





San Diego
Pipeline
Nos. 3 & 5
Air Release/
Vacuum Valve
Replacement

San Diego Pipeline Nos. 3 & 5 Air Release/ Vacuum Valve Replacement

Scope of Work

- Procurement Contractor
 - Supply 72 AR/VVs
 - 8-inch & 10-inch diameters
- Metropolitan
 - Installation of AR/VVs during planned maintenance activities
 - Fabrication inspection
 - Submittal reviews
 - Project management

Alternatives Considered

- Alternative Contractor installation of valves
 - More expensive option
- Selected Alternative Metropolitan force installation
 - Installations can be scheduled during normal maintenance activities

San Diego Pipeline Nos. 3 & 5 Air Release/ Vacuum Valve Replacement

Bid Results Request for Bids No. 401784

Bids Received

No. of Bidders

Lowest Responsible Bidder

Low Bid

Range of Other Bids

Budgetary Estimate

SBE Participation*

December 13, 2022

1

B&K Valve & Equipment Inc.

\$1,466,665

N/A

\$1.2M - \$1.5M

N/A

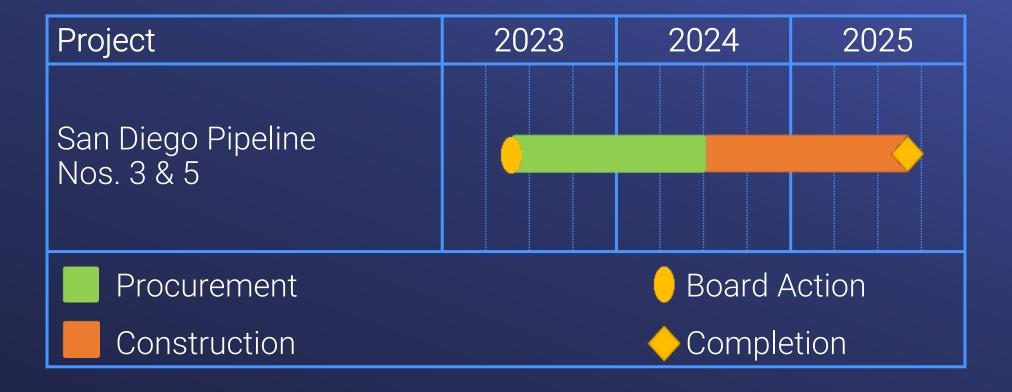
^{*}As a procurement contract, there are no subcontracting opportunities

Allocation of Funds

San Diego Pipeline Nos. 3 & 5

Metropolitan Labor			
Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support)		\$	80,000
Fabrication Inspection & Support			50,000
Submittals Review, Tech. Support, Record Dwgs.			18,000
Contracts			
B&K Valves & Equipment, Inc.		1,	466,665
Remaining Budget			85,335
	Total	\$1,	700,000

Project Schedule



Board Options

- Option #1
 - Award a \$1,466,665 contract to B&K Valves & Equipment Inc. for procurement of 72 replacement air release and vacuum valves for San Diego Pipeline Nos. 3 and 5.
- Option #2
 - Do not proceed with this project at this time.

Staff Recommendation

Option #1





Board of Directors Legal and Claims Committee

5/9/2023 Board Meeting

7-6

Subject

Authorize an increase in the maximum amount payable under contract with Thompson Coburn LLP for legal advice on state and federal energy regulatory and contractual matters by \$200,000 to a maximum amount payable of \$300,000; the General Manager has determined that this proposed action is exempt or otherwise not subject to CEOA

Executive Summary

Since 2012, Thompson Coburn LLP (Thompson Coburn) has provided Metropolitan with expert legal advice on state and federal energy regulatory and contractual matters. The funding under the current agreement is running low, and additional funds are necessary to support current and anticipated needs.

Details

Thompson Coburn has extensive expertise in California and federal energy regulatory matters. Expert legal counsel there, including Bonnie Blair and Meg McNaul, represent a number of clients within California, including Metropolitan. Over the years, Thompson Coburn has provided expert advice on federal energy regulatory requirements, including compliance with the North American Electric Reliability Corporation or NERC energy regulatory reliability standards. These complex federal standards apply to Metropolitan's ownership and operation of its Colorado River Aqueduct transmission system. Thompson Coburn provides essential support to the Power Operations and Planning Section or Water System Operations and to the legal department to ensure Metropolitan is in compliance with applicable standards. Additionally, Thompson Coburn advises Metropolitan on contractual issues related to its electric transmission and generation resources, state, and regional transmission planning, generator interconnection requests, and related matters. Over the past year, Thompson Coburn assisted staff with a comprehensive update of its interconnection policies and forms that are required by NERC. With upcoming changes in the energy market, Metropolitan anticipates more significant work in these areas and is requesting an additional \$200,000 for work anticipated over the next two years.

Policy

Metropolitan Water District Administrative Code Section 6431: Authority to Obtain Expert Assistance Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is not defined as a project under CEQA (Public Resources Code Section 21065, State CEQA Guidelines Section 15378) because it involves continuing administrative or maintenance activities which will not cause either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment (Section 15378(b)(2) of the State CEQA Guidelines). In addition, 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 (Section 15378(b)(4) of the State CEQA Guidelines).

CEQA determination for Option #2:

None required

Board Options

Option #1

Authorize an increase in the maximum amount payable under contract with Thompson Coburn LLP for legal advice on state and federal energy regulatory and contractual matters by \$200,000 to a maximum amount payable of \$300,000.

Fiscal Impact: \$200,000, authorized legal services funded within the FY 2022/2023 and FY 2023/2024 budgets

Business Analysis: Expert special counsel will assist staff with state and federal energy regulatory and contractual matters.

Option #2

Do not authorize the contract increase.

Fiscal Impact: Unknown

Business Analysis: Without expert special counsel, compliance with state and federal energy regulatory and contractual matters could be uncertain.

General Counsel

Staff Recommendation

Option #1

4/21/2023

Date

Ref# I12695523



Legal & Claims Committee

Request to Authorize Increase for Special Counsel Contract with Thompson Coburn LLP

Item #7-6 May 9, 2023

Request for Additional Funds

Special Counsel

- Increase existing contract with Thompson Coburn LLP by \$200,000 to an amount not to exceed \$300,000
- Current contract started in August 2020

Thompson Coburn LLP

Experts in energy law

- Represent a number of California power entities
- Detailed understanding of California and federal energy market
- Several highly experienced attorneys

Areas of Assistance

Complex energy requirements

- Contractual and market issues related to electric transmission and generation resources
- Compliance with North American Electric Reliability Corporation or NERC energy regulatory reliability standards
- Interconnection issues
- Risk management
- Regional transmission planning

Board Options

Option #1

Authorize an increase in the maximum amount payable under contract with Thompson Coburn LLP for legal advice on state and federal energy regulatory and contractual matters by \$200,000 to a maximum amount payable of \$300,000.

• Option #2

Do not authorize the contract increase.

Staff Recommendation

Option #1

Authorize an increase in the maximum amount payable under contract with Thompson Coburn LLP for legal advice on state and federal energy regulatory and contractual matters by \$200,000 to a maximum amount payable of \$300,000.





Board of Directors Legal and Claims Committee

5/9/2023 Board Meeting

7-7

Subject

Approve changes in the Administrative Code to clarify provisions relating to Board committees and the role of the Vice Chairs of the Board, to delete references to certain Ad Hoc Committees, and to correct the pay grade for Board Executive Secretary due to elimination of the job title of Board Administrator; the General Manager has determined that this proposed action is exempt or otherwise not subject to CEQA

Executive Summary

In December 2022, the Board approved Item 8-2 to, among other things, modify the standing committees of the Board, establish certain ad hoc committees of the Board, and recommend establishment of certain subcommittees of the Board. In addition, the Board letter assigned specific fields of policy to the four Board Vice Chairs appointed by the Chair and assigned the Board Vice Chairs specific committees to guide and oversee. Approval of this item will clarify the duties of the Board Vice Chairs, ex officio duties of Committee Chairs in subcommittees, delete reference to individual ad hoc committees from the Administrative Code, and correct the pay grade of the Executive Secretary of the Board to be consistent with the Board Administrator. The intent is to no longer use the job title, Board Administrator.

Details

Background

In December 2022, the Board approved the then Chair-elect's recommended changes to the Board's committee structure. This included reducing the number of standing committees of the Board, recommending the creation of certain subcommittees, establishment of specific ad hoc committees, and assigning to the four Vice Chairs appointed by the Chair specific areas of policy to provide guidance and oversight. This proposed action will clarify and expressly provide the authority of the Chair is delegated to the Board Vice Chairs. Specifically, when the Chair is absent from a committee or subcommittee meeting, the Board Vice Chair designated to provide guidance and oversight of that committee or subcommittee, if not already a member, shall be an ex officio member of the committee or subcommittee, as applicable. Committee Chairs who are charged with appointing members to subcommittees shall serve as ex officio members of those subcommittees.

The December action established multiple ad hoc committees. Ad hoc committees may be created by the Board to undertake special assignments and shall exist for a specified term or until its special assignments are completed, whichever comes first. The members of ad hoc committees are appointed by the Chair and serve at the pleasure of the Chair. To reduce the need to modify the Administrative Code each time an ad hoc committee is created, terminated, or changed, this action proposes that references to specific ad hoc committees, other than the ad hoc committee of the Executive Committee created pursuant to Section 2416(f)(5) of the Administrative Code, be deleted from the Administrative Code. If approved, the Board staff will keep track of ad hoc committees.

The Administrative Code provides that the Board Executive Secretary shall be appointed by the General Manager, subject to the approval of the Board. The Administrative Code also provides the duties of the Board Executive Secretary, including accepting service of process on behalf of Metropolitan and many other duties relating to board meetings and assistance to the Board. In 2016, a new job title, Board Administrator, was created with a new pay grade. The Board Administrator performed duties similar to those of the Board Executive Secretary.

Recruitment of a new Board Administrator/Board Executive Secretary is currently in process. The General Manager proposes to revert the job title to Board Executive Secretary to be consistent with the Administrative Code. Section 6500 of the Code is proposed to be amended to make the Board Executive Secretary pay grade consistent with Board Administrator. Upon approval of the change in pay grade, the job title of Board Administrator will no longer be used. A redline of the proposed changes to the Administrative Code is attached as Attachment 1, and a clean copy, if approved, is attached as Attachment 2.

Policy

Metropolitan Water District Administrative Code Section 2530: Ad Hoc Committees

Metropolitan Water District Administrative Code Section 2204 and 2401: Delegation of Authority to Vice Chairs

Metropolitan Water District Administrative Code Section 6500: Hourly Pay Rate

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is not subject to CEQA because it involves continuing administrative activities, such as general policy and procedure making (Section 15378(b)(2) of the State CEQA Guidelines). In addition, the proposed action is not subject to CEQA because it involves organizational or administrative activities of governments that will not result in direct or indirect physical changes in the environment (Section 15378(b)(5) of the state CEQA Guidelines).

CEQA determination for Option #2:

None required

Board Options

Option #1

Approve changes in the Administrative Code to clarify provisions relating to Board committees and the role of the Vice Chairs of the Board, to delete references to certain Ad Hoc Committees, and to correct the pay grade for Board Executive Secretary due to elimination of the job title of Board Administrator

Fiscal Impact: None

Business Analysis: Clarifies provisions of the Administrative Code and corrects the pay grade for the Board **Executive Secretary**

Option #2

Do not approve recommended changes in the Administrative Code.

Fiscal Impact: None

Business Analysis: The provisions of the Administrative Code will remain the same. The pay grade for the Board Executive Secretary will not be corrected.

Staff Recommendation

Option #1

Marcia Scully

Date

General Counsel

Attachment 1 - Redlined version of the proposed changes to the Administrative Code

Attachment 2 – Clean version of the proposed changes to the Administrative Code

Ref# | 12692351

Chapter 5

MANAGEMENT AND CONFIDENTIAL EMPLOYEES - GENERAL

Article	e	Sec.
1	Salaries	6500
2	Benefits	6520
3	Grievances	6540
4	Miscellaneous	6560

Article 1

SALARIES

Sec.	
6500.	Hourly Pay Rate Schedule
6501.	Provisions Related to Unrepresented Positions
[6502	repealed]
[6503	repealed]
[6504	repealed]
[6505	repealed]
[6506	repealed]

§ 6500. Hourly Pay Rate Schedule.

(a) The hourly pay rate (as that term is defined in subdivision (h) of Section 6200) and schedule of positions occupied by unclassified service employees not in an appropriate unit recognized pursuant to Section 6108 shall be as follows:

<u>Grade</u>	Range	<u>Title</u>
14	\$12.74-17.39 (\$26,499-36,171)	*Student Youth Intern
21	\$15.40-21.07 (\$32,032-43,826)	*Student Intern
66	\$52.78-71.96 (\$109,782-149,677)	Board Executive Secretary Principal Administrative Analyst
68	\$55.61-75.95 (\$115,669-157,976)	Program Manager I

72	\$61.87-84.55 (\$128,690-175,864)	Board Executive Secretary Administrator Staff Assistant to General Manager
73	\$63.58-86.83 (\$132,246-180,606)	Audit Administrator
74	\$65.33-89.14 (\$135,866-185,411)	Program Manager III
75	\$67.05-91.64 (\$139,464-190,611)	Human Resources Manager I
77	\$70.80-96.75 (\$147,264-201,240)	Deputy General Auditor
78	\$72.73-99.38 (\$151,278-206,710)	Human Resources Manager II
79	\$74.74-102.16 (\$155,459-212,493)	Sr. Deputy General Counsel-Labor Relations
80	\$76.79-104.96 (\$159,723-218,317)	Human Resources Section Manager Manager of Colorado River Resources
81	\$78.93-107.85 (\$164,174-224,328)	Assistant General Auditor Budget and Treasury Manager Executive Legislative Representative Human Resources Manager III Strategic Comm. & Policy Advisor
85	\$87.97-120.17 (\$182,978-249,954)	Assistant Group Manager Chief Deputy General Counsel
86	\$90.39-123.47 (\$188,011-256,818)	Assistant General Counsel Bay-Delta Initiatives Manager Group Manager Group Manager—External Affairs Group Manager—Human Resources Group Manager—Real Property
88	\$95.42-130.37 (\$198,474-271,170)	Group Manager—Info Technology Group Manager—Water Resources Mgmt.
89	\$98.01-134.00 (\$203,861-278,720)	Group Manager—Engineering Services Group Manager—Water System Operations

§ 2202. Selection of Officers.

The Chair shall be nominated by the Executive Committee or from the floor and elected in even-numbered years at the October meeting of the Board. The Secretary shall be nominated by the Executive Committee or from the floor and elected in even-numbered years at the November meeting of the Board. The four Vice Chairs shall be selected by the Chair, with the approval of the Executive Committee and Board, and shall serve at the pleasure of the Chair. Selection of the officers shall be made without regard to the regions which are represented.

Section 201.1.3, Organization and Procedures of the Board - July 19, 1976; repealed by M.I. 33453 - October 14, 1980; Section 201.1.4 - M.I. 32213 - March 14, 1978; previous Section 201.1.4 repealed by same M.I.; amended by M.I. 32996 - November 13, 1979; amended and renumbered as 201.1.3 by M.I. 33453 - October 14, 1980; amended by M.I. 34673 - April 12, 1983; renumbered Section 201.2.3 by January 8, 1985; amended by M.I. 36240 - August 19, 1986. Section 201.2.3 repealed and Section 2202 adopted by M.I. 36464 - January 13, 1987, effective April 1, 1987; amended by M.I. 39449 - February 11, 1992; amended by M.I. 39911 - November 10, 1992; amended by M.I. 41147 - December 13, 1994; amended by M. I. 43587 - June 8, 1999; amended by M. I. 43819 - December 14, 1999; amended by M.I. 44582 - August 20, 2001; amended by M. I. 46064 - January 11, 2005; amended by M.I. 47998 - August 18, 2009.

§ 2203. Vacancy in Office.

Whenever a vacancy occurs in an office of Chair or Secretary of the Board during a term of office, nominations shall be submitted to and an election shall be held by the Board to fill the vacancy within 90 days of the date of the vacancy if there remain 90 days or more in the term at the time the vacancy occurs.

Section 201.1.4 - M.I. 34673 - April 12, 1983; renumbered Section 201.2.4 on January 8, 1985. Section 201.2.4 repealed and Section 2203 adopted by M.I. 36464 - January 13, 1987, effective April 1, 1987; amended by M.I. 43587 – June 8, 1999.

§ 2204. Delegation of Duties to Vice Chairs.

The Vice Chairs selected by the Chair shall act in the Chair's absence, failure or inability to act. The Vice Chairs shall have ex efficio membership on standing <u>committees</u>, <u>subcommittees</u>, or special committees as designated in this Code. The Chair assigns the following duties to the designated Vice Chairs as follows:

- (1) Vice Chair for Climate Action will provide guidance to the following committees:
 - (a) Engineering, Operations and Technology Committee and the Ad Hoe Subcommittee on Pure Water SoCal Southern California and Regional Conveyance; and
 - (b) One Water and Stewardship Committee and the Ad Hoc Committee on Agricultural Water Conservation Partnerships, Subcommittee on Bay-Delta and

Colorado River Negotiations. the Subcommittee on Demand Management and Conservation Programs and Priorities.

- (2) Vice Chair for Strategic Communications and Stakeholder Engagement Policy will provide guidance to the <u>following committees:</u>
 - (a) Legislation, Regulatory Affairs, and Communications Committee and the Subcommittee on Public Affairs Engagement.
- (3) Vice Chair for Finance, Audit and Planning will provide guidance to the <u>following</u> <u>committees:</u>
 - (a) Finance, Audit, Insurance, and Real Property Committee and the Ad Hoe Committee on Facilities Naming. Subcommittee on Audits, and the Subcommittee on Long-Term Regional Planning Processes and Business Modeling.
- (4) Vice Chair for Organizational Integrity and Accountability will provide guidance to the following committees:
 - (a) Ethics, Organization and Personnel Committee and the Ad Hoc Committee on Implementation of State Audit;
 - (b) Legal and Claims Committee and the Ad Hoc Committee on San Diego Litigation; and
 - (c) Equity, Inclusion and Affordability Committee.

Section 201.1.5 Organization and Procedures of the Board - July 19, 1976; amended by M.I. 32213 - March 14, 1978; amended and renumbered Section 202.1.4 by M.I. 33453 - October 14, 1980; renumbered Section 201.1.5 by M.I. 34673 - April 12, 1983; renumbered Section 201.2.5 - January 8, 1985. Section 201.2.5 repealed and Section 2204 adopted by M.I. 36464 - January 13, 1987, effective April 1, 1987; Section renamed and amended by M.I. 43587 - June 8, 1999; amended by M.I. 43819 - December 14, 1999; M.I. 43893 - February 8, 2000; amended Section title, amended first paragraph, added new subparagraphs (1), (2), (3) and (4), and deleted final paragraph by M.I. 53064 - December 13, 2022.

§ 2205. Duties of the Chair.

As prescribed by the Board, the Chair's duties include:

- (a) Presiding over meetings of the Board, with the exception that the Board may, by a majority vote, overrule parliamentary rulings of the Chair;
 - (b) Ex officio membership on standing or special committees as designated in this Code;
 - (c) Making committee appointments as set forth in this Code; and,
 - (d) Other Board duties not specifically delegated to another Board officer or director.

§ 2401. Officers and Members of Standing Committees.

- (a) Members, Chair, and Vice Chair of standing committees with the exception of the Executive Committee shall be appointed subject to the approval of the Executive Committee and the Board on the basis that each director, with the exception of the Chair of the Board, serve on at least one standing committees, in addition to the Executive Committee. Such appointment shall be made by the Chair of the Board unless a new Chair-elect has been selected by the Board to take office on the next January 1, in which event appointment of Chair and Vice-Chair of standing committees shall be made by the Chair-elect.
- (b) Chair and Vice Chair of standing committees with the exception of the Executive Committee are to be appointed in even-numbered years at the December meeting of the Board for a two-year term commencing on January 1 of odd-numbered years. No director shall be appointed to the same committee office for more than two consecutive full terms and a partial term immediately prior to the first term.
- (c) The Chair of the Board or the Vice Chair to whom the Chair has assigned the Chair's membership pursuant to Section 2204 is a member ex-officio, with right to vote, of all standing committees, subcommittees, and special committees of the Board. However, the Chair or the Vice Chair to whom the Chair's membership has been assigned shall not be considered a member of any committee of which the officer is a member ex-officio for the purpose of determining whether a quorum of the committee is present unless the Chair or Vice Chair is actually present at the meeting of the committee.
- (d) The committee Chair's duties include presiding over meetings of the committee, with the exception that the committee may, by a majority vote, overrule parliamentary rulings of the Chair.

Organization and Procedures of the Board - July 19, 1976; Section 211.1.2 amended by M.I. 32213 - March 14, 1978. Paragraph (a) [formerly Section 211.1.2.1] amended by M.I. 32690 - April 10, 1979; paragraph (b) [formerly Section 211.1.2.2] amended by M.I. 32996 - November 13, 1979; paragraph (a) amended by M.I. 34889 - October 11, 1983; amended by M.I. 36240 - August 19, 1986; see also Ords. 113 and 133, repealed by Ord. 146. Section 211.1.2 through 211.1.2.2 repealed and Sections 2401(a) and (b) adopted by M.I. 36464 - January 13, 1987; paragraph (a) amended by M.I. 40011 - January 12, 1993; paragraph (a) amended by M.I. 40715 - March 8, 1994; paragraph (a) amended by M.I. 42193 - December 10, 1996; paragraph (a) amended by M.I. 42631 - September 9, 1997.

Paragraph (c) [formerly Section 211.1.2.4], Ords. 113 and 133; repealed by Ord. 146; added, as amended, by M.I. 32690 - April 10, 1979; renumbered 211.1.2.3 by M.I. 34673 - April 12, 1983; amended by M.I. 35592 - April 9, 1985. Section 211.1.2.3 repealed and Section 2401(c) adopted by M.I. 36464 - January 13, 1987, effective April 1, 1987; amended by M.I. 36811 - September 22, 1987; paragraph (a) amended by M.I. 37570 - March 14, 1989; paragraph (a) amended by M.I. 42892 - April 14, 1998; paragraph (a), (b), (c) amended by M.I. 43587 - June 8, 1999.

Paragraph (a) amended by M. I. 46064 – January 11, 2005; paragraph (b) amended by M.I. 52335 – April 13, 2021; paragraph (b) amended by M.I. 52335 – April 13, 2021; paragraph (d) added by M.I. 52633 – December 14, 2021.

Chapter 5

OTHER COMMITTEES: MISCELLANEOUS COMMITTEE MATTERS

Artic	ele	Sec.
1	Special Committees	2500
2	Board and Committee Nomination Procedures	2520
3	Ad Hoc Committees	2530
-)	Au Hoc Committees	4.0

Article 1

SPECIAL COMMITTEES

Sec.

2500. General

2501. Agriculture and Industry Relations Special Committee

2502. Integrated Resources Plan Special Committee

§ 2500. General.

Special committees may be created by the Board to undertake special assignments on behalf of the Board and shall report directly to the Board unless otherwise directed. A special committee shall continue in existence indefinitely. Unless otherwise specified, members of a special committee shall be appointed by the Chair of the Board and shall serve at the Chair's pleasure.

Organization and Procedures of the Board - July 19, 1976; Section 212.1.1 amended by M.I. 33453 - October 14, 1980; amended by M.I. 36225 - August 19, 1986. Section 212.1.1 repealed and Section 2500 adopted by M.I. 36464 - January 13, 1987, effective April 1, 1987.

§2501. Agriculture and Industry Relations Special Committee.

- (a) The Agriculture and Industry Relations Special Committee shall hold meetings as required to accomplish committee objectives.
 - (b) Duties and Functions

The Agriculture and Industry Relations Special Committee shall work to:

- (1) Expand Metropolitan's understanding of business and agriculture water issues;
- (2) Identify opportunities for collaboration to advance the mutual interests of urban and agricultural water users; and
- (3) Make recommendations to the Board on policies and programs that will strengthen relationships with agricultural and business communities and related customer groups.

Article 3

AD HOC COMITTEES

Sec.

- 2530. Ad Hoc Committee on Pure Water SoCal and Regional Conveyance
- 2531. Ad Hoc Committee on Agricultural Water Conservation Partnerships, Bay-Delta and Colorado River Negotiations
- 2532. Ad Hoc Committee on San Diego Litigation
- 2533. Ad Hoc Committee on Implementation of State Audit
- 2534. Ad Hoc Committee on Facilities Naming

§ 2530. Ad Hoc Committee on Pure Water SoCal and Regional Conveyance

(a) The Ad Hoc Committee on Pure Ware SoCal and Regional Conveyance shall hold meetings as required to accomplish committee objectives.

(b) Duties and Functions

The Ad Hoc Committee on Pure Water SoCal and Regional Conveyance shall work on the following:

- (1) The planning and schedule of the water entitlement process; and
- (2) The construction process and the determination of outreach needs in coordination with other relevant committees and subcommittees of the Board.

M.I. 53064 December 13, 2022.

§ 2531. Ad Hoc Committee on Agricultural Water Conservation Partnerships, Bay-Delta and Colorado River Negotiations.

(a) The Ad Hoc Committee on External Property Management, Bay-Delta and Colorado River Negotiations shall hold meetings as required to accomplish committee objectives.

(b) Duties and Functions

Provide guidance to the General Manager on the following issues:

- (1) The application of Board approved policy principles and actions relating to the Bay-Delta and Colorado River with regard to negotiations and implementation of agreement with and among Colorado River Contractors and Federal and State Authorities;
- (2) The application of Board-approved policy principles and actions with regard to ongoing State Water Contract renegotiations; and
- (3) The application of Board-approved policy principles and actions with regard to negotiations with external authorities in charge of regulating land owned by Metropolitan outside of its service area and other agricultural water conservation partnerships.

M.I. 53064 December 13, 2022.

§ 2532. Ad Hoc Committee on San Diego Litigation.

(a) The Ad Hoc Committee on San Diego Litigation shall hold meetings as required to accomplish committee objectives.

(b) The Ad Hoc Committee on San Diego Litigation shall advise on issues related to the ongoing litigation between Metropolitan and the San Diego County Water Authority.

M.I. 53064 December 13, 2022.

§ 2533. Ad Hoc Committee on Implementation of State Audit.

(a) The Ad Hoc Committee on Implementation of State Audit shall hold meetings as required to accomplish committee objectives.

(b) This committee shall oversee the implementation of recommendations from the State Audit and the Independent Assessment of Workplace Concerns.

M.I. 53064 December 13, 2022.

§ 2534. Ad Hoc Committee on Facilities Naming.

The Ad Hoc Committee on Facilities Naming will meet when there is a need to consider the naming of Metropolitan facilities.

M.I. 53064 – December 13, 2022.

Chapter 5

MANAGEMENT AND CONFIDENTIAL EMPLOYEES - GENERAL

Articl	le	Sec.
1	Salaries	6500
2	Benefits	6520
3	Grievances	6540
4	Miscellaneous	6560

Article 1

SALARIES

Hourly Pay Rate Schedule
Provisions Related to Unrepresented Positions
repealed]

§ 6500. Hourly Pay Rate Schedule.

(a) The hourly pay rate (as that term is defined in subdivision (h) of Section 6200) and schedule of positions occupied by unclassified service employees not in an appropriate unit recognized pursuant to Section 6108 shall be as follows:

<u>Grade</u>	Range	<u>Title</u>
14	\$12.74-17.39 (\$26,499-36,171)	*Student Youth Intern
21	\$15.40-21.07 (\$32,032-43,826)	*Student Intern
66	\$52.78-71.96 (\$109,782-149,677)	Principal Administrative Analyst
68	\$55.61-75.95 (\$115,669-157,976)	Program Manager I

72	\$61.87-84.55 (\$128,690-175,864)	Board Executive Secretary Staff Assistant to General Manager
73	\$63.58-86.83 (\$132,246-180,606)	Audit Administrator
74	\$65.33-89.14 (\$135,866-185,411)	Program Manager III
75	\$67.05-91.64 (\$139,464-190,611)	Human Resources Manager I
77	\$70.80-96.75 (\$147,264-201,240)	Deputy General Auditor
78	\$72.73-99.38 (\$151,278-206,710)	Human Resources Manager II
79	\$74.74-102.16 (\$155,459-212,493)	Sr. Deputy General Counsel-Labor Relations
80	\$76.79-104.96 (\$159,723-218,317)	Human Resources Section Manager Manager of Colorado River Resources
81	\$78.93-107.85 (\$164,174-224,328)	Assistant General Auditor Budget and Treasury Manager Executive Legislative Representative Human Resources Manager III Strategic Comm. & Policy Advisor
85	\$87.97-120.17 (\$182,978-249,954)	Assistant Group Manager Chief Deputy General Counsel
86	\$90.39-123.47 (\$188,011-256,818)	Assistant General Counsel Bay-Delta Initiatives Manager Group Manager Group Manager—External Affairs Group Manager—Human Resources Group Manager—Real Property
88	\$95.42-130.37 (\$198,474-271,170)	Group Manager—Info Technology Group Manager—Water Resources Mgmt.
89	\$98.01-134.00 (\$203,861-278,720)	Group Manager—Engineering Services Group Manager—Water System Operations

§ 2202. Selection of Officers.

The Chair shall be nominated by the Executive Committee or from the floor and elected in even-numbered years at the October meeting of the Board. The Secretary shall be nominated by the Executive Committee or from the floor and elected in even-numbered years at the November meeting of the Board. The four Vice Chairs shall be selected by the Chair, with the approval of the Executive Committee and Board, and shall serve at the pleasure of the Chair. Selection of the officers shall be made without regard to the regions which are represented.

Section 201.1.3, Organization and Procedures of the Board - July 19, 1976; repealed by M.I. 33453 - October 14, 1980; Section 201.1.4 - M.I. 32213 - March 14, 1978; previous Section 201.1.4 repealed by same M.I.; amended by M.I. 32996 - November 13, 1979; amended and renumbered as 201.1.3 by M.I. 33453 - October 14, 1980; amended by M.I. 34673 - April 12, 1983; renumbered Section 201.2.3 by January 8, 1985; amended by M.I. 36240 - August 19, 1986. Section 201.2.3 repealed and Section 2202 adopted by M.I. 36464 - January 13, 1987, effective April 1, 1987; amended by M.I. 39449 - February 11, 1992; amended by M.I. 39911 - November 10, 1992; amended by M.I. 41147 - December 13, 1994; amended by M. I. 43587 - June 8, 1999; amended by M. I. 43819 - December 14, 1999; amended by M.I. 44582 - August 20, 2001; amended by M. I. 46064 - January 11, 2005; amended by M.I. 47998 - August 18, 2009.

§ 2203. Vacancy in Office.

Whenever a vacancy occurs in an office of Chair or Secretary of the Board during a term of office, nominations shall be submitted to and an election shall be held by the Board to fill the vacancy within 90 days of the date of the vacancy if there remain 90 days or more in the term at the time the vacancy occurs.

Section 201.1.4 - M.I. 34673 - April 12, 1983; renumbered Section 201.2.4 on January 8, 1985. Section 201.2.4 repealed and Section 2203 adopted by M.I. 36464 - January 13, 1987, effective April 1, 1987; amended by M.I. 43587 – June 8, 1999.

§ 2204. Delegation of Duties to Vice Chairs.

The Vice Chairs selected by the Chair shall act in the Chair's absence, failure or inability to act. The Vice Chairs shall have ex efficio membership on standing committees, subcommittees, or special committees as designated in this Code. The Chair assigns the following duties to the designated Vice Chairs as follows:

- (1) Vice Chair for Climate Action will provide guidance to the following committees:
 - (a) Engineering, Operations and Technology Committee and the Subcommittee on Pure Water Southern California and Regional Conveyance; and
 - (b) One Water and Stewardship Committee and the Subcommittee on Bay-Delta and the Subcommittee on Demand Management and Conservation Programs and Priorities.

- (2) Vice Chair for Strategic Communications and Stakeholder Engagement Policy will provide guidance to the following committees:
 - (a) Legislation, Regulatory Affairs, and Communications Committee and the Subcommittee on Public Affairs Engagement.
- (3) Vice Chair for Finance, Audit and Planning will provide guidance to the following committees:
 - (a) Finance, Audit, Insurance, and Real Property Committee and the Subcommittee on Audits, and the Subcommittee on Long-Term Regional Planning Processes and Business Modeling.
- (4) Vice Chair for Organizational Integrity and Accountability will provide guidance to the following committees:
 - (a) Ethics, Organization and Personnel Committee;
 - (b) Legal and Claims Committee; and
 - (c) Equity, Inclusion and Affordability Committee.

Section 201.1.5 Organization and Procedures of the Board - July 19, 1976; amended by M.I. 32213 - March 14, 1978; amended and renumbered Section 202.1.4 by M.I. 33453 - October 14, 1980; renumbered Section 201.1.5 by M.I. 34673 - April 12, 1983; renumbered Section 201.2.5 - January 8, 1985. Section 201.2.5 repealed and Section 2204 adopted by M.I. 36464 - January 13, 1987, effective April 1, 1987; Section renamed and amended by M.I. 43587 - June 8, 1999; amended by M.I. 43819 - December 14, 1999; M.I. 43893 - February 8, 2000; amended Section title, amended first paragraph, added new subparagraphs (1), (2), (3) and (4), and deleted final paragraph by M.I. 53064 - December 13, 2022.

§ 2205. Duties of the Chair.

As prescribed by the Board, the Chair's duties include:

- (a) Presiding over meetings of the Board, with the exception that the Board may, by a majority vote, overrule parliamentary rulings of the Chair;
 - (b) Ex officio membership on standing or special committees as designated in this Code;
 - (c) Making committee appointments as set forth in this Code; and,
 - (d) Other Board duties not specifically delegated to another Board officer or director.

§ 2401. Officers and Members of Standing Committees.

- (a) Members, Chair, and Vice Chair of standing committees with the exception of the Executive Committee shall be appointed subject to the approval of the Executive Committee and the Board on the basis that each director, with the exception of the Chair of the Board, serve on at least one standing committees, in addition to the Executive Committee. Such appointment shall be made by the Chair of the Board unless a new Chair-elect has been selected by the Board to take office on the next January 1, in which event appointment of Chair and Vice-Chair of standing committees shall be made by the Chair-elect.
- (b) Chair and Vice Chair of standing committees with the exception of the Executive Committee are to be appointed in even-numbered years at the December meeting of the Board for a two-year term commencing on January 1 of odd-numbered years. No director shall be appointed to the same committee office for more than two consecutive full terms and a partial term immediately prior to the first term.
- (c) The Chair of the Board or the Vice Chair to whom the Chair has assigned the Chair's membership pursuant to Section 2204 is a member ex-officio, with right to vote, of all standing committees, subcommittees, and special committees of the Board. However, the Chair or the Vice Chair to whom the Chair's membership has been assigned shall not be considered a member of any committee of which the officer is a member ex-officio for the purpose of determining whether a quorum of the committee is present unless the Chair or Vice Chair is actually present at the meeting of the committee.
- (d) The committee Chair's duties include presiding over meetings of the committee, with the exception that the committee may, by a majority vote, overrule parliamentary rulings of the Chair.

Organization and Procedures of the Board - July 19, 1976; Section 211.1.2 amended by M.I. 32213 - March 14, 1978. Paragraph (a) [formerly Section 211.1.2.1] amended by M.I. 32690 - April 10, 1979; paragraph (b) [formerly Section 211.1.2.2] amended by M.I. 32996 - November 13, 1979; paragraph (a) amended by M.I. 34889 - October 11, 1983; amended by M.I. 36240 - August 19, 1986; see also Ords. 113 and 133, repealed by Ord. 146. Section 211.1.2 through 211.1.2.2 repealed and Sections 2401(a) and (b) adopted by M.I. 36464 - January 13, 1987; paragraph (a) amended by M.I. 40011 - January 12, 1993; paragraph (a) amended by M.I. 40715 - March 8, 1994; paragraph (a) amended by M.I. 42193 - December 10, 1996; paragraph (a) amended by M.I. 42631 - September 9, 1997.

Paragraph (c) [formerly Section 211.1.2.4], Ords. 113 and 133; repealed by Ord. 146; added, as amended, by M.I. 32690 - April 10, 1979; renumbered 211.1.2.3 by M.I. 34673 - April 12, 1983; amended by M.I. 35592 - April 9, 1985. Section 211.1.2.3 repealed and Section 2401(c) adopted by M.I. 36464 - January 13, 1987, effective April 1, 1987; amended by M.I. 36811 - September 22, 1987; paragraph (a) amended by M.I. 37570 - March 14, 1989; paragraph (a) amended by M.I. 42892 - April 14, 1998; paragraph (a), (b), (c) amended by M.I. 43587 - June 8, 1999.

Paragraph (a) amended by M. I. 46064 – January 11, 2005; paragraph (b) amended by M.I. 52335 – April 13, 2021; paragraph (b) amended by M.I. 52335 – April 13, 2021; paragraph (d) added by M.I. 52633 – December 14, 2021.

Chapter 5

OTHER COMMITTEES: MISCELLANEOUS COMMITTEE MATTERS

Article		Sec.
1	Special Committees	2500
2	Board and Committee Nomination Procedures	2520

Article 1

SPECIAL COMMITTEES

Sec.

2500. General

2501. Agriculture and Industry Relations Special Committee

2502. Integrated Resources Plan Special Committee

§ 2500. General.

Special committees may be created by the Board to undertake special assignments on behalf of the Board and shall report directly to the Board unless otherwise directed. A special committee shall continue in existence indefinitely. Unless otherwise specified, members of a special committee shall be appointed by the Chair of the Board and shall serve at the Chair's pleasure.

Organization and Procedures of the Board - July 19, 1976; Section 212.1.1 amended by M.I. 33453 - October 14, 1980; amended by M.I. 36225 - August 19, 1986. Section 212.1.1 repealed and Section 2500 adopted by M.I. 36464 - January 13, 1987, effective April 1, 1987.

§2501. Agriculture and Industry Relations Special Committee.

- (a) The Agriculture and Industry Relations Special Committee shall hold meetings as required to accomplish committee objectives.
 - (b) Duties and Functions

The Agriculture and Industry Relations Special Committee shall work to:

- (1) Expand Metropolitan's understanding of business and agriculture water issues;
- (2) Identify opportunities for collaboration to advance the mutual interests of urban and agricultural water users; and
- (3) Make recommendations to the Board on policies and programs that will strengthen relationships with agricultural and business communities and related customer groups.

M.I. 53064 – December 13, 2022.



Legal & Claims Committee

Approve Changes in the Administrative Code

Item 7-7 May 9, 2023

What is an Ad Hoc Committee per the Admin Code?

§ 2310. Ad Hoc Committees

Ad Hoc Committees may be created by the Board to undertake special assignments on behalf of the Board. An ad hoc committee shall exist for a specified term or until its special assignments are completed, whichever comes first, but its existence may be extended for an added term or added assignments by action of the Board. Unless otherwise specified, members of an ad hoc committee shall be appointed by the Chair of the Board and shall serve at the Chair's pleasure.

What is an Ad Hoc Committee per the Admin Code?

§ 2302. Committee Work and Reports

The performance of all duties and functions by committees is for the purpose of advising and recommending actions to the Board of Directors. Reports of standing, special and ad hoc committees shall be addressed to the Board; reports of a subcommittee shall be addressed to its parent standing committee.

Status of Ad Hoc Committees

Established December 2022

Ad Hoc Committee	Current Status
Pure Water SoCal and Regional Conveyance	Replaced by Subcommittee on Pure Water SoCal and Regional Conveyance (March 2023)
Agricultural Water Conservation Partnerships, Bay-Delta, and Colorado River Negotiations	 Replaced by Ad Hoc on CR Negotiations (Jan 2023) Subcommittee on Bay-Delta (March 2023)
Facilities Naming	Not ActiveFollowing naming of Phillip J. Pace Boardroom (April 2023)
San Diego Litigation	Inactive
Implementation of State Audit	Employee Housing – trip(s) to fact find





Board of Directors Engineering, Operations, and Technology Committee

5/9/2023 Board Meeting

8-1

Subject

Award a \$2,601,437 procurement contract to Sojitz Machinery Corporation of America for two large-diameter butterfly valves to be installed at the Foothill Pump Station Intertie as part of water supply reliability improvements in the Rialto Pipeline service area; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA (This action is part of a series of projects that are being undertaken to improve the supply reliability for State Water Project dependent areas)

Executive Summary

The recent statewide drought and resulting low allocation of State Water Project (SWP) supplies by the California Department of Water Resources (DWR) directly impacted Metropolitan's ability to deliver water to the Rialto Pipeline service area. Expanding the ability to deliver supplies from Diamond Valley Lake (DVL) benefits this area and preserves limited SWP supplies for the West Branch SWP member agencies. This project is one of four associated projects currently underway to provide the ability to directly deliver water from DVL to the Rialto Pipeline through the Inland Feeder. This action awards a procurement contract for two 54-inch diameter butterfly valves. Award of this procurement contract will ensure the timely fabrication and delivery of the valves for installation on this project during the 2024/2025 shutdown season.

Details

Background

The Rialto Pipeline, constructed in 1972, is approximately 30 miles long with a diameter ranging from 96 to 144 inches. It conveys untreated water from DWR's Lake Silverwood to Metropolitan's Live Oak Reservoir in La Verne. Under normal conditions, the Rialto Pipeline relies on raw water deliveries from the East Branch of the SWP via DWR's Devil Canyon Afterbay. Member agencies with service connections on the Rialto Pipeline include the Inland Empire Utilities Agency, Three Valleys Municipal Water District, and the Upper San Gabriel Valley Municipal Water District.

DVL is Metropolitan's largest reservoir, with a maximum storage capacity of 810,000 acre-feet. It provides emergency storage in the event of a major earthquake, storage as a reserve for drought conditions, and seasonal storage to meet annual member agency demands. At this time, the Rialto Pipeline cannot access the water stored in DVL due to infrastructure and operational constraints.

Since December 2021, a series of drought mitigation projects were authorized by the Board to increase the ability of Metropolitan's conveyance system to deliver water to six member agencies that are entirely dependent on SWP supplies. The recent drought highlighted the potential supply vulnerabilities that these agencies can experience during periods of low SWP allocations from the state. The purpose of this first series of projects is to increase the flexibility of the eastern portion of Metropolitan's conveyance system to move water from DVL to SWP-dependent areas. Additional projects were approved by the Board in February 2022 to increase the flexibility of the existing conveyance system on the west side of Metropolitan's system to reliably supply water to additional SWP-dependent member agencies.

The Rialto Pipeline water supply reliability improvements were authorized by the Board in December 2021 and consist of four separate projects: Wadsworth Pumping Plant Bypass Pipeline, Inland Feeder/Rialto Pipeline Intertie, Inland Feeder – Badlands Tunnel Surge Protection, and Inland Feeder/San Bernardino Valley Municipal

Water District (SBVMWD) Foothill Pump Station Intertie. Together, these incremental infrastructure improvements will greatly increase operational flexibility and enhance the ability to move water from DVL, and potentially the Colorado River Aqueduct, into the Rialto Pipeline. In times of drought, operation of Metropolitan's system with these improvements will also provide regional benefits by allowing limited SWP supplies to be directed to West Branch SWP member agencies.

The Inland Feeder/SBVMWD Foothill Pump Station Intertie is an important component of this four-project effort. Without this project, the Rialto Pipeline water supply reliability benefits would be limited to a series of low-volume water exchanges between Metropolitan and SBVMWD. The Foothill Pump Station is in the city of Highland and is connected to SBVMWD's Foothill Pipeline, which usually delivers water for groundwater recharge during high SWP supplies and is therefore available in times of drought. This pump station will provide the lift needed to permit the direct delivery of approximately 107 cubic feet per second (cfs) from DVL to the Rialto Pipeline.

Final design of the Inland Feeder/SBVMWD Foothill Pump Station Intertie is currently underway. Due to the long lead-time needed to procure the valves, staff recommends award of a procurement contract for the new valves and appurtenant equipment at this time. Staff will return to the Board in fall 2023 to award another procurement contract for a 132-inch diameter butterfly valve and a construction contract for the Foothill Pump Station Intertie.

Budget Impact

In accordance with the April 2022 action on the biennial budget for fiscal years 2022/23 and 2023/24, the General Manager will authorize staff to proceed with the procurement of the butterfly valves to improve water reliability of the Rialto Pipeline, pending award of the procurement contract described below. Based on the current Capital Investment Plan (CIP) expenditure forecast, funds for the work to be performed pursuant to this action during the current biennium are available within the CIP Appropriation for Fiscal Years 2022/23 and 2023/24. This project anticipates an expenditure of \$3.28 million in capital funds. Approximately \$530,000 will be incurred in the current fiscal biennium and has been previously authorized. The remaining funds will be accounted for and appropriated under the next biennial budget.

This project has been reviewed in accordance with Metropolitan's CIP prioritization criteria and was approved by Metropolitan's CIP evaluation team to be included in the System Flexibility and Supply Reliability Program.

Inland Feeder/Foothill Pump Station Intertie – Procurement

The scope of the procurement contract includes furnishing two 54-inch butterfly valves, associated fittings, and accessories. Metropolitan forces will receive, offload, and place the valves in storage at Metropolitan's Cone Camp Yard. The valves will be installed under a future construction contract.

A total of \$3.28 million is required to perform this work. In addition to the amount of the contract, the allocated funds include \$260,000 for factory fabrication inspection and functional testing; \$16,000 for Metropolitan force activities described above; \$94,000 for submittals review, technical support, and responding to manufacturer requests for information; \$125,000 for contract administration and project management; and \$183,563 for remaining budget.

Attachment 1 provides the allocation of required funds. The total estimated cost to complete the Inland Feeder/SBVMWD Foothill Pump Station Intertie Project, including the amount appropriated to date, funds allocated for the work described in this action, and all future actions, is expected to range between \$22 million and \$25 million.

Award of Procurement Contract (Sojitz Machinery Corporation of America)

Specifications No. 2048 for furnishing butterfly valves for the Inland Feeder/SBVMWD Foothill Pump Station Intertie was advertised for bids on January 17, 2023. As shown in **Attachment 2**, three bids were received and opened on March 15, 2023. The bids from Vogt Valves Inc. and Santa Fe Win Water did not meet the requirements detailed in the specifications and were deemed to be non-responsive. The bid from Sojitz Machinery Corporation of America in the amount of \$2,601,437 complies with the requirements of the specifications. This amount includes all sales and use taxes imposed by the state of California. The budgetary estimate for this material, based on a survey of vendors, ranged from \$1.75 million to \$3.5 million.

Proceeding with a contract at this time will enable completion of improvements to the Inland Feeder/SBVMWD Foothill Pump Station Intertie with minimal operational impacts and allow for reliable water exchanges between Metropolitan and SBVMWD. As a procurement contract, there are no subcontracting opportunities, and no Small Business Enterprise participation level was established for this contract.

This action awards a \$2,601,437 procurement contract to Sojitz Machinery Corporation of America to furnish two large-diameter butterfly valves for the Inland Feeder/Foothill Pump Station Intertie.

Alternatives Considered

During the planning phase of this project, staff considered using different types of valves for isolation, such as conical plug and spherical ball valves. These valves are robust and have a full port opening, thereby reducing pressure losses. However, these valves are larger, more expensive, and take longer to fabricate. The much larger size of either the conical plug or spherical ball valve, and the actuator needed to operate the valve, would also result in a significantly larger structure to house the valve, increasing construction costs and prolonging construction time. These types of valves are utilized in situations where the valve controls the flow, or the allowable loss of pressure across the valve is very limited. In the current application, where the valves are used solely for isolation and pressure losses are acceptable, butterfly valves are more appropriate and cost-effective. The recommended action allows Metropolitan to procure the valves needed for isolation in a timely and cost-effective manner.

Summary

This action awards a \$2,601,437 procurement contract to Sojitz Machinery Corporation of America to furnish two 54-inch diameter butterfly valves to be installed at the Inland Feeder/SBVMWD Foothill Pump Station Intertie to improve the water supply reliability of the Rialto Pipeline. See **Attachment 1** for the Allocation of Funds, **Attachment 2** for the Abstract of Bids, and **Attachment 3** for the Location Map.

Project Milestones

March 2025 – Complete fabrication and delivery of butterfly valves

Policy

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

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

Metropolitan Water District Administrative Code Section 8140: Competitive Procurement

By Minute Item 52626, dated December 14, 2021, the Board amended the CIP to include projects to improve water supply reliability in the Rialto Pipeline service area.

By Minute Item 52778, dated April 12, 2022, the Board appropriated a total of \$600 million for projects identified in the Capital Investment Plan for Fiscal Years 2022/23 and 2023/24.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed actions are exempt under the provisions of CEQA and the State CEQA Guidelines. The procurement contract for purchasing activities of the Inland Feeder/SBVMWD Foothill Pump Station Intertie fall under Class 1 Existing Facilities, Class 3 New Construction (small facilities), Class 4 Minor Alterations to Land, Class 6 Information Collection, Statutory Exemption Section 21080.21, 15282(k) Installation of Pipeline. These exemptions have been chosen because construction will occur in an existing facility, and a minor amount of construction, reconstruction, and minor alterations will occur. As this intertie is a pipeline of less than a mile in length, the Rialto Pipeline service area facilities are a public right-of-way with respect to 21080.21. Accordingly, no further CEQA documentation is necessary for the Board to act on the proposed action.

CEQA determination for Option #2:

None required

4/19/2023

4/25/2023

Date

Board Options

Option #1

Award a \$2,601,437 procurement contract to Sojitz Machinery Corporation of America to furnish two large diameter butterfly valves for the Inland Feeder/SBVMWD Foothill Pump Station Intertie project as part of water supply reliability improvements in the Rialto Pipeline service area.

Fiscal Impact: Expenditure of \$3.28 million in capital funds. Approximately \$530,000 will be incurred in the current fiscal biennium and has been previously authorized. The remaining funds will be accounted for and appropriated under the next biennial budget.

Business Analysis: This option will improve the operational reliability of water deliveries to member agencies with connections to the Rialto Pipeline.

Option #2

Do not proceed with this project at this time.

Fiscal Impact: None

Business Analysis: This option would forego improving the reliability of service to those member agencies with connections to the Rialto Pipeline.

Staff Recommendation

Option #1

John V. Bednarski

Mathager/Chief Engineer Engineering Services

Adel Hagekhalil

General Manager

Attachment 1 - Allocation of Funds

Attachment 2 - Abstract of Bids

Attachment 3 - Location Map

Ref# es04112023

Allocation of Funds for Inland Feeder/SBVMWD Foothill Pump Station Intertie

		Current Board Action (May 2023)	
Labor			
Studies & Investigations	\$	-	
Final Design		-	
Owner Costs (Program mgmt.,		105,000	
contract admin.)			
Submittals Review & Record Drwgs.		94,000	
Construction Inspection & Support		260,000	
Metropolitan Force Construction		16,000	
Materials & Supplies		-	
Incidental Expenses		20,000	
Professional/Technical Services		-	
Right-of-Way		-	
Equipment Use		-	
Contracts			
Sojitz Machinery Corporation of America		2,601,437	
Remaining Budget	F	183,563	
Total	\$	3,280,000	

The total amount expended to date for the Inland Feeder/SBVMWD Foothill Pump Station Intertie is approximately \$1.55 million. The total estimated cost to complete the project, including the amount appropriated to date, funds allocated for the work described in this action, and future construction costs, is anticipated to range from \$22 million to \$25 million.

The Metropolitan Water District of Southern California

Abstract of Bids Received on March 15, 2023, at 2:00 P.M.

Specifications No. 2048 Furnishing Butterfly Valves for the Inland Feeder/SBVMWD Foothill Pump Station Intertie

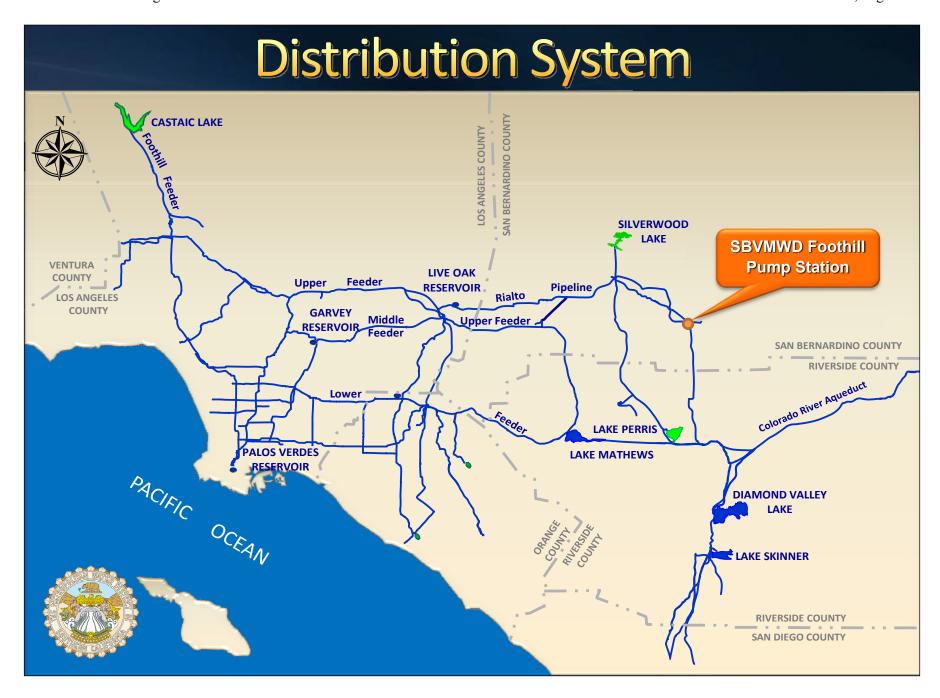
The work consists of furnishing and delivering of two 54-inch diameter butterfly valves and all appurtenances.

Range of bids: \$1.75 million to \$3.5 million

Bidder and Location	Base Bid Price Total ^{1,2}
Santa Fe Win Water Santa Fe Springs, CA	\$928,131 ³
Vogt Valves Inc. Stafford, Texas	\$1,032,000 ³
Sojitz Machinery Corporation of America Farmington Hills, MI	\$2,601,437

As a procurement contract, there are no subcontracting opportunities.
 Includes sales and use taxes of 7.75 percent imposed by the state of California

³ Non-responsive bid





Engineering, Operations, & Technology Committee

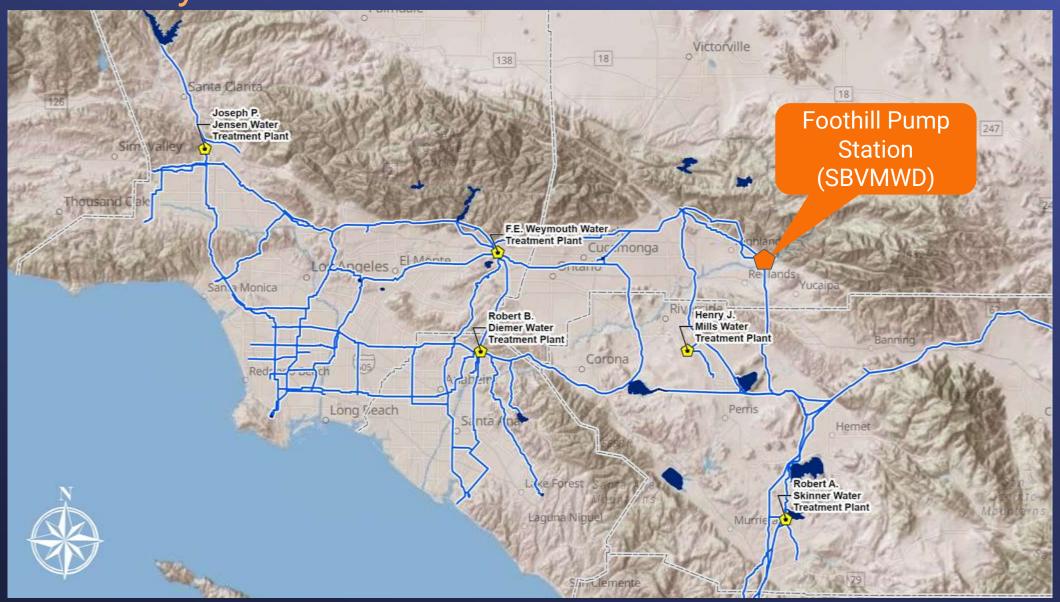
Foothill Pump Station Intertie Valve Procurement

Item 8-1 May 8, 2023

Current Action

- Award a \$2,601,437 procurement contract to Sojitz Machinery Corporation of America for two 54-inch diameter butterfly valves to be installed at Foothill Pump Station Intertie
- Part of series of projects to improve supply reliability for State Water Project (SWP) dependent member agencies

Distribution System



Background - On-going Water Supply Reliability Improvements

 Programs initiated to improve supply reliability of SWP dependent areas



Background-Rialto Area Water Supply Reliability Improvements

- Rialto Pipeline service area is dependent on SWP
- Rialto Pipeline Water
 Supply Improvements:
 - Wadsworth Bypass
 - Badlands Tunnel Surge Protection Facility
 - Foothill Pump Station Intertie
 - Inland Feeder Rialto Pipeline Intertie
- Valve procurement recommended at this time



54-inch Valve Procurement & Installation

- Valves isolate & direct flow during operation
- Delivery of valves scheduled for early 2025
 - Fabrication & delivery can take up to two years
- Valves to be installed during Inland Feeder shutdown
 - Under a separate construction contract





Item # 8-1

Alternatives Considered

- Valve types evaluated
 - Conical, spherical & butterfly valves considered
 - Conical & spherical valves are larger, more expensive & take longer to fabricate
- Selected Alternative Butterfly valves
 - For situations requiring only isolation, butterfly valves are more appropriate & cost-effective

Scope of Work

- Contractor
 - Furnish & deliver two 54-inch butterfly valves
- Metropolitan
 - Factory fabrication inspection
 - Submittals review
 - Off-load & store valves
 - Contract administration & project management

Bid Results Specifications No. 2048

Bids Received

No. of Bidders

Lowest Responsible Bidder

Low Bid
Range of Other Bids
Budgetary Estimate

March 15, 2023

3

Sojitz Machinery Corporation of

America

\$2,601,437

\$928,131* and \$1,032,000*

\$1,750,000 to \$3,500,000

^{*}Non-responsive bid

Allocation of Funds

Foothill Pump Station Intertie Valve Procurement

Metropolitan Labor		
Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support)		\$ 125,000
Fabrication Inspection		260,000
Force Construction		16,000
Submittals Review, Tech. Support, Record Dwgs.		94,000
Contracts		
Sojitz Machinery Corporation of America		2,601,437
Remaining Budget		183,563
	Total	\$ 3,280,000

Project Schedule



Board Options

- Option #1
 - Award a \$2,601,437 procurement contract to Sojitz Machinery Corporation of America to furnish two large diameter butterfly valves for the Inland Feeder/SBVMWD Foothill Pump Station Intertie project as part of water supply reliability improvements in the Rialto Pipeline service area.
- Option #2
 - Do not proceed with this project at this time.

Staff Recommendation

Option #1





Board of Directors Engineering, Operations, and Technology Committee

5/9/2023 Board Meeting

8-2

Subject

Award a \$5,266,000 contract to Leed Electric Inc. to install 12 flow monitoring stations along the Colorado River Aqueduct conveyance system; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

Operation of the Colorado River Aqueduct (CRA) at full capacity with an eight-pump flow for extended periods presents operational challenges, as the higher water elevations in the canal and conduits/tunnels reduce hydraulic freeboard. Under these operating conditions, water can spill in certain canal sections, and there is the potential to over-pressurize the cut-and-cover conduits, especially in summer months when biological fouling in the canal reduces the hydraulic capacity of the aqueduct. Currently, flow monitoring of the aqueduct is conducted at the CRA pumping plants which are continually staffed. However, monitoring of water level conditions in the remaining portions of the aqueduct requires staff to access remote locations to make visual observations. This action awards a construction contract to install 12 in-line flow monitoring stations along the CRA's conveyance system, which will allow staff to remotely monitor the water levels in real-time to provide for better control and regulation of water flows through the CRA system.

Details

Background

The CRA is a 242-mile-long conveyance system that transports water from the Colorado River to Lake Mathews in Riverside County. The CRA consists of five pumping plants; 124 miles of tunnels, siphons, and reservoirs; 63 miles of canals; and 55 miles of cut-and-cover conduits. The aqueduct was constructed in the late 1930s and was placed into service in 1941.

Each of the five pumping plants has nine main pumps. These pumps were installed in several phases over time to meet increasing water demands. When all pumps were originally installed, the hydraulic capacity of the CRA totaled 1,605 cubic feet per second (cfs). Under a rehabilitation program completed in 1992, pump unit performance was improved by enlarging the impeller diameters and modifying the angle of the vanes at the impeller discharge. At the present time, the hydraulic capacity of the CRA pumps is upwards of 1,700 cfs. Although the pump capacity now exceeds the initial design capacity of the conduits and canals, staff has been able to operate the system at the higher flows with additional monitoring, close coordination, and increased maintenance.

The CRA conveyance system is routinely and thoroughly cleaned during the annual shutdown in February to ensure that delivery capabilities of the aqueduct system are maintained. However, with warmer aqueduct temperatures, biological fouling of concrete surfaces decreases velocity due to increased friction, which results in higher water elevations. When the aqueduct is operating at maximum capacity, water levels in the aqueduct are at their highest level, and it becomes challenging to manage flows at these higher water elevations, especially in those portions of the aqueduct that are either open canals or buried cut-and-cover conduits. The higher water elevation reduces hydraulic freeboard and can result in water spill in canal sections and potentially cause over-pressurization of the cut-and-cover conduits. The cut-and-cover conduits are unreinforced and not designed to operate under pressurized conditions.

Over the last several years, when allocations from the State Water Project were extremely limited, the CRA operated at its maximum capacity more frequently and for longer durations than at any time during its operational history. Staff recommends that in-line flow monitoring facilities be installed along the CRA to allow staff to better monitor and control flows and plan for aqueduct algae control and cleaning operations. This project will install 12 flow monitoring stations along the CRA's conveyance system that will be integrated into Metropolitan's Supervisory Control and Data Acquisition (SCADA) system to provide real-time flow data, enabling water surface elevations to be continuously monitored and alarmed. The installation of monitoring equipment will allow staff to monitor and regulate flows more accurately in the aqueduct to maintain uniform and steady state flow conditions. This type of controlled operation will help to prevent spills in the canal sections and avoid overpressurization of the unreinforced conduit sections of the conveyance system, thus providing safe and reliable water deliveries.

Budget Impact

In accordance with the April 2022 action on the biennial budget for fiscal years 2022/23 and 2023/24, the General Manager authorized staff to proceed with construction of the CRA Conveyance Flow Monitoring Stations, pending board approval of the contract described below. Based on the current Capital Investment Plan (CIP) expenditure forecast, funds for the work to be performed pursuant to this action during the current biennium are available within the CIP Appropriation for Fiscal Years 2022/23 and 2023/24 (Appropriation No. 15525). This project anticipates an expenditure of \$7.75 million in capital funds. Approximately \$6.65 million will be incurred in the current biennium and has been previously authorized. The remaining funding required from this action will be accounted for and appropriated under the next biennial budget. This project has been reviewed in accordance with Metropolitan's CIP prioritization criteria and was approved by Metropolitan's CIP Evaluation Team to be included in the CRA Reliability Program.

CRA Conveyance System Flow Monitoring Stations - Construction

The scope of the construction contract consists of installing 12 flow monitoring stations along the conveyance system of the CRA. The planned work includes: (1) installation of precast concrete buildings, antenna poles to support the transmitter and solar panels, and electrical duct banks; (2) control system integration; (3) rehabilitation of deteriorated accessways for the conduits; and (4) site grading. Metropolitan forces completed installation of the transducers last month during the annual 2023 CRA shutdown. This will allow a contractor to complete all remaining work while the CRA is in operation and commission the flow monitoring stations in a timely manner. Metropolitan forces will provide access, coordinate clearances with the contractor during construction, and perform SCADA integration programming.

A total of \$7,750,000 is allocated for this work. In addition to the amount of the contract described below, other funds to be allocated include: \$650,000 for construction management and inspection; \$252,000 for Metropolitan force activities, as described above; \$25,000 for technical support during construction, review of electrical submittals, and preparation of record drawings by Lee & Ro Inc.; \$387,000 for submittals reviews; \$466,000 for contract administration, environmental monitoring, and project management; and \$704,000 for remaining budget. **Attachment 1** provides the allocation of the required funds. The total estimated cost to complete the installation of the flow monitoring stations project, including the amount appropriated to date, and funds allocated for the work described in this action is \$9.15 million.

Award of Construction Contract (Leed Electric Inc.)

Specifications No. 2042 for the installation of flow monitoring stations was advertised on February 10, 2023. As shown in **Attachment 2**, two bids were received and opened on March 28, 2023. The low bid from Leed Electric Inc., in the amount of \$5,266,000, complies with the requirements of the specifications. The higher bid was \$6,659,550, while the engineer's estimate for this project was \$4.27 million. Staff investigated the difference between the low bid and the engineer's estimate and attributes the difference to increased costs associated with mobilization and demobilization at the 12 remote locations along the 80-mile project boundaries, increased electrical craft worker costs in desert regions, contractor's risk, and the limited bidding pool.

For this contract, Metropolitan established a Small Business Enterprise (SBE) participation level of at least 25 percent of the bid amount. Leed Electric, Inc., is an SBE firm and thus achieves 100 percent SBE participation. The subcontractors for this contract are listed in **Attachment 3**.

As described above, Metropolitan staff will perform construction management and inspection. Engineering Services' performance metric goal for inspection of projects with construction greater than \$3 million is 9 to 12 percent. For this project, the performance metric for inspection is 11.8 percent of the total construction cost.

Alternatives Considered

During planning and design of this project, staff considered several alternatives for housing of the equipment that will be installed aboveground. One alternative considered was to install all equipment in the open with shade canopies and an enclosed fence to protect the equipment; however, due to increased theft and vandalism experienced in remote locations, staff decided to forego this alternative. The selected alternative of installing all equipment within a precast building will provide comprehensive security and protect all equipment from the harsh desert environment increasing its service life. Additionally, the new installations will be similar to the existing flow monitoring stations that are already in service, standardizing the equipment and making maintenance more cost-effective.

Summary

This action awards a \$5,266,000 construction contract to install 12 flow monitoring stations along the CRA. See **Attachment 1** for the Allocation of Funds, **Attachment 2** for the Abstract of Bids, **Attachment 3** for the Listing of Subcontractors for the Low Bidder, and **Attachment 4** for the Location Map.

Project Milestone

July 2024 – Complete construction of flow monitoring stations

Policy

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

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute Item 52778, dated April 12, 2022, the Board appropriated a total of \$600 million for projects identified in the Capital Investment Plan for Fiscal Years 2022/2023 and 2023/2024.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action involves operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of existing or former use and no possibility of significantly impacting the physical environment. Additionally, the proposed action involves construction and location of limited numbers of new, small facilities or structures; installation of small new equipment and facilities in small structures; and the conversion of existing small structures from one use to another where only minor modifications are made in the exterior of the structure. Finally, the proposed action consists of public or private alterations in the condition of land, water, and/or vegetation, which do not involve removal of healthy, mature, scenic trees. Accordingly, the proposed action qualifies under Class 1, Class 3 and Class 4 Categorical Exemptions (Sections 15301, 15303 and 15304 of the State CEQA Guidelines).

CEQA determination for Option #2:

None required

Board Options

Option #1

Award a \$5,266,000 contract to Leed Electric Inc. to install 12 flow monitoring stations along the CRA conveyance system.

Fiscal Impact: Expenditure of \$7.75 million in capital funds. Approximately \$6.65 million will be incurred in the current biennium and has been previously authorized. The remaining funding required from this action will be accounted for and appropriated under the next biennial budget.

Business Analysis: This option will enhance the safety and reliability of the CRA conveyance system.

Option #2

Do not proceed with the project at this time.

Fiscal Impact: None

Business Analysis: This option would forego an opportunity to enhance the reliability of the CRA and maintain reliable water deliveries.

Staff Recommendation

Option #1

4/17/2023 Date

John V. Bednarski Chief Engineer/Group Manager

Engineering Services

Adel Hagekhalil General Manager 4/25/2023

Date

Attachment 1 - Allocation of Funds

Attachment 2 - Abstract of Bids

Attachment 3 - Subcontractors for Low Bidder

Attachment 4 - Location Map

Ref# es12691758

Allocation of Funds for Installation of CRA Conveyance Flow Monitoring Stations

	Current Board Action (May 2023)		
Labor			
Studies & Investigations	\$	-	
Final Design		-	
Owner Costs (Program mgmt.,		466,000	
envir. monitoring)			
Submittals Review & Record Drwgs.		387,000	
Construction Inspection & Support		650,000	
Metropolitan Force Construction		180,000	
Materials & Supplies		52,000	
Incidental Expenses		20,000	
Professional/Technical Services			
Lee & Ro, Inc.		25,000	
Right-of-Way		-	
Equipment Use		-	
Contracts			
Leed Electrical, Inc.		5,266,000	
Remaining Budget		704,000	
Total	\$	7,750,000	

The total amount expended to date for the installation of CRA conveyance system flow monitoring stations is approximately \$1.4 million. The total estimated cost to complete, including the amount appropriated to date and funds allocated for the work described in this action, is \$9.15 million.

The Metropolitan Water District of Southern California

Abstract of Bids Received on March 28, 2023, at 2:00 P.M.

Specifications No. 2042 Colorado River Aqueduct Conveyance System Installation of Flow Monitoring Stations

The work includes installation of 12 flow monitoring stations along the conveyance system of the CRA. The planned work includes: (1) installation of precast concrete buildings, antenna poles to support the transmitter and solar panels, and electrical duct banks; (2) control system integration; (3) rehabilitation of deteriorated accessways for the conduits; and (4) site grading.

Engineer's estimate: \$4.27 million

Bidder and Location	Total	SBE \$	SBE %	Met SBE ¹
Leed Electric Inc. Santa Fe Springs, CA	\$5,266,000	\$5,266,000	100%	Yes
R2Build dba R2B Engineering Laguna Hills, CA	\$6,659,550	-	-	-

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

The Metropolitan Water District of Southern California

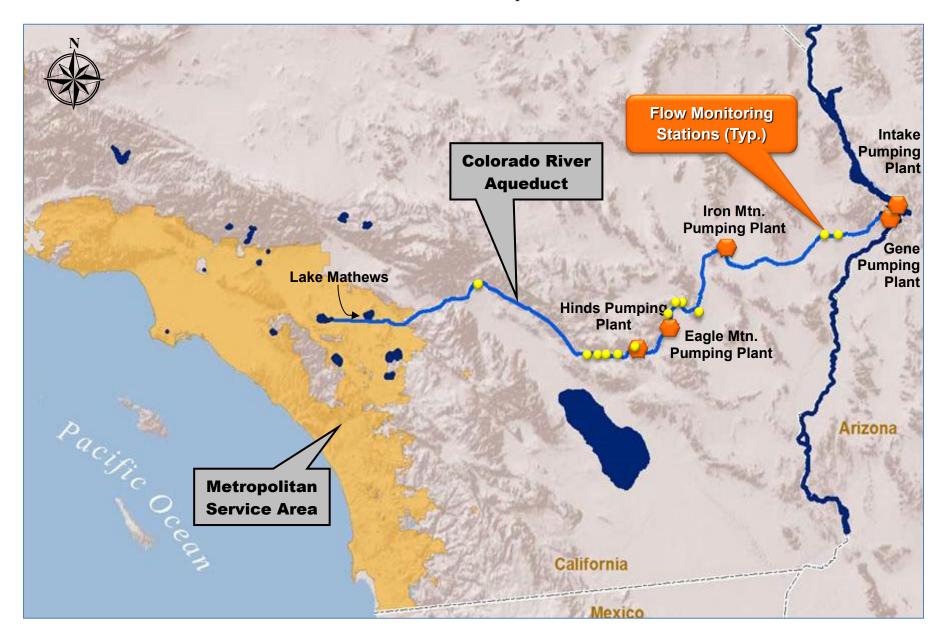
Subcontractor for Low Bidder

Specifications No. 2042 Colorado River Aqueduct Conveyance System Installation of Flow Monitoring Stations

Low bidder: Leed Electric, Inc.

Subcontractor	Service Category; Specialty
316 Engineering and Construction Co. Inc. Rosemead, CA	Civil, mechanical, and structural work

Location Map





Engineering, Operations, & Technology Committee

CRA Conveyance System Flow Monitoring Stations

Item 8-2 May 8, 2023

Colorado River Aqueduct Conveyance System Flow Monitoring Stations

Current Action

 Award a \$5,266,000 contract to Leed Electric Inc. to install 12 flow monitoring stations along the Colorado River Aqueduct conveyance system

Project Location

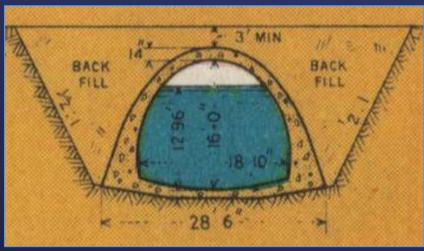


Background

- Hydraulic capacity of CRA increased in 1990s by over 100 cfs
- Extended periods of 8-pump flow
 - Requires frequent monitoring & continuous maintenance
- Concerns & rationale for continuous monitoring
 - Pressurization of cut-and-cover conduits
 - Overflow of open sections



Canal Dragging May 8, 2023



Cut-and-Cover Conduit ngineering, Operations, & Technology Committee



Increased Water Elevation (Canal)

Colorado River Aqueduct

Conveyance
System Flow
Monitoring
Stations



Existing Monitoring Station

Scope of Work

- Installation of flow monitoring stations
- Provide real time data
- Continuously monitor & regulate flow
- Maintain steady state flow conditions

Colorado River Aqueduct Conveyance System Flow Monitoring Stations

Alternatives Considered

- Install equipment in the open with shade canopies & an enclosed fence
 - Increased theft & vandalism in remote locations
- Selected Alternative Install equipment in pre-cast buildings
 - Provides comprehensive security & protection
 - Similar set-up to existing monitoring stations

Contractor - Scope of Work



- Installation of pre-cast concrete buildings, antenna poles, & electrical ductbanks
- Site grading
- SCADA integration
- Rehabilitation of deteriorated accessways for conduits

Typical pre-cast concrete building

Colorado River Aqueduct

Conveyance System Flow Monitoring Stations



Typical transducer installation in aqueduct

Metropolitan - Scope of Work

- SCADA programming
- Providing access & coordinating clearances
- Construction management & inspection
- Submittal review
- Environmental monitoring
- Project management & project controls

Bid Results Specifications No. 2042

Bids Received

No. of Bidders

Lowest Bidder

Low Bid

Other Bid

Engineer's Estimate

SBE Participation*

March 28, 2023

2

Leed Electric Inc.

\$5,266,000

\$6,659,550

\$4,270,000

100%

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

Allocation of Funds

CRA Conveyance System Flow Monitoring Stations

Metropolitan Labor			
Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support)		\$	466,000
Construction Inspection & Support			650,000
Submittals Review, Tech. Support, Record Dwgs.			387,000
Force Construction			180,000
Materials & Supplies			72,000
Professional/Technical Services			
Lee & Ro, Inc.			25,000
Construction Contract			
Leed Electric Inc.		Ę	5,266,000
Remaining Budget			704,000
	Total	\$7	7,750,000

Project Schedule



Board Options

- Option #1
 - Award a \$5,266,000 contract to Leed Electric Inc. to install 12 flow monitoring stations along the CRA conveyance system.
- Option #2
 - Do not proceed with the project at this time.

Staff Recommendation

Option #1



Board of Directors One Water and Stewardship Committee

5/9/2023 Board Meeting

Revised 8-3

Subject

Adopt a resolution to support an approximately \$19,74020,900,000 grant application to the Sacramento-San Joaquin Delta Conservancy to develop a multi-benefit landscape opportunity on Webb Tract; and authorize the General Manager to accept the grant if awarded; the General Manager has determined that the proposed actions are exempt or otherwise not subject to CEOA

Executive Summary

In October 2022, Metropolitan's Board affirmed the revised Bay-Delta Policy Objectives and Framework (Bay-Delta Policies) regarding the Sacramento-San Joaquin Delta. In February 2023, staff submitted a concept grant proposal to the Sacramento-San Joaquin Delta Conservancy (Delta Conservancy) to develop a multi-benefit landscape opportunity on Webb Tract, one of the Metropolitan-owned islands, to support the Board's Bay-Delta Policies. The Delta Conservancy staff accepted the concept grant proposal and invited Metropolitan to submit an application for a full grant proposal to their board. Metropolitan staff proposes the Board adopt a resolution supporting an approximately \$19.7420.9 million grant application to the Delta Conservancy's Nature Based Solutions: Wetland Restoration Grant Program and authorize the General Manager or designated representative to accept the grant if awarded (Attachment 1). Though a specific cost share is not specified, Metropolitan is proposing to provide in-kind staff services of approximately \$3.5 million (15-14 percent) of the total project cost of approximately \$23.2 4.4 million over a three-year period.

Details

Background

In 2016, Metropolitan's Board approved the purchase of properties on five islands located in the Sacramento-San Joaquin Delta region. Metropolitan's portion of Chipps Island was sold to the California Department of Water Resources in 2021, a tidal marsh habitat restoration project. The remaining four islands are currently being leased to farmers, who grow a variety of crops on the fertile peat soils. Farming practices throughout much of the Delta region contribute to subsidence, which lowers the elevation of the islands and contributes to greenhouse gas emissions of carbon dioxide and nitrous oxide through a process called microbial oxidation. Oxidation of the soils occurs when the highly organic peat soil is exposed to the atmosphere during harvesting and tilling activities. As a result of subsidence, over the last century or more, Metropolitan's islands are currently as much as 12-25 feet below sea level. These islands, like other islands in the Delta, are protected by perimeter levees that prevent flooding of the islands by holding back the water from the surrounding rivers and sloughs. If the current land practices continue, the islands will continue to lose land surface elevation, increasing hydrostatic pressure on levee systems that protect the islands.

In March of 2020, Metropolitan received a Proposition 1 Watershed Restoration Planning Grant for the Delta Islands Adaptation Project from the California Department of Fish and Wildlife. The goal of the Delta Islands Adaptation Project planning grant is to bring together a diverse group of Delta interests to undertake a comprehensive planning-level analysis of opportunities for island-wide improvements that include a mosaic of multiple land uses with the objectives of stopping or reversing subsidence, maintaining sustainable agricultural practices, improving carbon sequestration and water quality, and restoring habitat.

The Delta Islands Adaptation Project planning grant funds a collaborative, two-phase conceptual process that includes the evaluation and selection of one of the islands (Phase 1) to undergo a conceptual design process that results in a recommended island-wide mosaic of pilot projects (Phase 2). In Phase 1, each of Metropolitan's four islands were evaluated by criteria that included its susceptibility to subsidence, water quality and supply impact from levee failure, net potential reduction of greenhouse gas emissions, suitable conditions for conversion of land to wetlands or rice, suitable conditions for conversion of land to terrestrial habitat, opportunities to support sustainable agricultural practices, and economic viability. Phase 2 is currently underway with Bouldin Island selected to undertake the more detailed island-wide mosaic planning effort.

The findings of the Phase 1 analysis recognized that Webb Tract would provide a unique opportunity to develop a multi-benefit habitat restoration opportunity. As a result, staff proposes to submit a grant application to the Delta Conservancy to fund a whole-island, multi-benefit habitat restoration project that would construct up to 3,500 acres of shallow flooded wetland and up to 1,500 acres of rice farming (or other subsidence-reducing crop).

Developing this multi-benefit landscape opportunity would support the Bay-Delta Policies. The benefits include stopping and/or reversing subsidence and reducing greenhouse gas emissions that are released during dry-land farming activities on the island's peat soils. Developing wetlands and rice fields would trap carbon dioxide through carbon sequestration, which could be used to offset emissions under Metropolitan's Climate Action Plan or generate income from carbon credits realized. The wetlands would provide habitat that can be studied and developed to potentially increase production of phytoplankton and zooplankton, which can help address one of the most important needs of the Delta ecosystem, the declining pelagic food web. In addition to the potential carbon credit opportunities, Metropolitan could realize increased revenue from longer-term leases of the rice fields, and development of various habitat or paludiculture projects. Under the terms of the grant, the project may not provide mitigation for any water conveyance project, including the Delta Conveyance Project. If after design and environmental review, Metropolitan approves the Webb Tract project, acceptance and use of the grant funding will require restrictions on the land for a period of 15 years.

Metropolitan staff is proposing to submit an approximately \$19.7420.9 million grant application to the Delta Conservancy to fund a three-year project term that includes design, environmental documentation, permitting and construction of wetlands, rice fields, and associated improvements on Webb Tract, as well as quantification of greenhouse gas emissions before and after construction to calculate the carbon credits realized from the project. The grant will also fund a limited-term position for a period of three years during the grant period to assist with project activities. Additional staffing will be provided by consultants and in-house staff. Staff anticipates providing approximately \$3.5 million (15-14 percent) of in-kind staff services to match the approximately \$19.7420.9 million grant over a three-year period.

Staff will return to the Board to add this project to the Capital Investment Plan and to award agreements for design, environmental documentation and permits, and construction, as well as execute land use and any lease agreements for rice farming activities.

Staff will return to the Board with regular updates.

Project Milestones

May 2023 – Expected grant award notification from Delta Conservancy

June 2023 - Board to consider amending the Capital Investment Plan to include project

Fall 2023 – Board to consider authorizing professional services agreements for planning, design and environmental documentation

Winter 2024 – Board to consider certification of environmental documentation

Spring 2025 – Award construction

Policy

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

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

By Minute 53012, dated October 11, 2022, the Board adopted the Revision and Restatement of Bay-Delta Policies.

California Environmental Quality Act (CEQA)

CEQA determinations for Option #1:

The proposed actions related to the grant application and acceptance of funds are not defined as a project under CEQA (Public Resources Code Section 21065, State CEQA Guidelines Section 15378) because they involve 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 (Section 15378(b)(4) of the State CEQA Guidelines). In addition, the proposed actions are not defined as a project under CEQA because they involve organizational or administrative activities of governments that will not result in direct or indirect physical changes in the environment (Section 15378(b)(5) of the State CEQA Guidelines).

If the grant funding is accepted, the proposed design, environmental review, preconstruction data collection, and permitting activities are categorically exempt under the provisions of CEQA and the State CEQA Guidelines. The proposed actions consist of basic data collection, research, and resource evaluation activities, which do not result in a serious or major disturbance to an environmental resource. These may be strictly for information gathering purposes, or as part of a study leading to an action which a public agency has not yet approved, adopted, or funded. Accordingly, the proposed actions qualify as a Class 6 Categorical Exemption (Section 15306 of the State CEQA Guidelines). Additionally, the proposed actions are statutorily exempt under the provisions of CEQA and the State CEQA Guidelines. The proposed actions involve feasibility or planning studies for possible future actions which the agency, commission or board has not yet approved, adopted or funded (Section 15262 of the State CEQA Guidelines).

Prior to formal approval of any proposed construction by the Board, CEQA documentation will be prepared and processed in accordance with CEQA and the State CEQA Guidelines.

CEQA determination for Option #2:

None required

Board Options

Option #1

Adopt a resolution to support an approximately \$19,74020,900,000 grant application to the Sacramento-San Joaquin Delta Conservancy to develop a multi-benefit landscape opportunity on Webb Tract, and authorize the General Manager or designated representative to accept the grant if awarded.

Fiscal Impact: Provide approximately \$3.5 million (15-14 percent) of in-kind staff services to match the approximately \$19.74-20.9 million grant over a three-year period. The total project cost is approximately \$23.2-4.4 million.

Business Analysis: Metropolitan would leverage a significant funding opportunity to enhance Webb Tract and meet the Board-adopted Bay-Delta Policy Objectives and Framework.

Option #2

Do not adopt the resolution supporting the grant application and authorizing the General Manager to accept funding if awarded.

Fiscal Impact: None

Business Analysis: Metropolitan would miss an opportunity to collaborate with the Delta Conservancy and the local Delta interests and obtain an approximately \$19.7420.9 million in grant funding to reduce or reverse subsidence on Webb Tract, generate carbon credits from carbon sequestration in wetlands and rice, generate increased lease potential from long-term leases on rice fields, and forego potential opportunity to increase the property value for any future property disposition considerations.

Staff Recommendation

Option #1

Nina Hawk 5/1/2023

Date

Chief, Bay-Delta Initiatives

Adel Hagekhalil 5/1/2023

Adel Hagekhalil Date

General Manager

Attachment 1 - Board Resolution

Ref# eo12693016

RESOLU	TION

RESOLUTION OF THE BOARD OF DIRECTORS OF THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA IN SUPPORT OF ITS PROPOSAL FOR FUNDING UNDER THE DELTA CONSERVANCY NATURE BASED SOLUTIONS: WETLAND RESTORATION GRANT PROGRAM TO DEVELOP A MULTI-BENEFIT LANDSCAPE OPPORTUNITY ON WEBB TRACT

WHEREAS, the Sacramento-San Joaquin Delta Conservancy (Delta Conservancy) is requesting proposals from sponsors to facilitate project development under the Amended Budget Act of 2022 for projects that support Nature Based Solutions: Wetland Restoration; and

WHEREAS, the submittal of a proposal for grant funding and acceptance of funding by Metropolitan has been determined not to be a project under the California Environmental Quality Act (CEQA) under Section 15378(b)(4) and Section 15378(b)(5) of the State CEQA Guidelines; and

WHEREAS, the expenditure of grant funding, if awarded, for design, environmental review, preconstruction data collection and permitting activities by Metropolitan has been determined to be exempt from CEQA under Section 15306 and Section 15262 of the State CEQA Guidelines.

WHEREAS, prior to formal approval of any proposed construction by the Board, CEQA documentation will be prepared and processed in accordance with the CEQA and State CEQA Guidelines; and

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of The Metropolitan Water District of Southern California that the Board supports the Metropolitan Water District's proposal to Develop a Multi-Benefit Landscape Opportunity on Webb Tract.

BE IT FURTHER RESOLVED that Metropolitan's Board authorizes Metropolitan's General Manager or his/her designee to accept grant funding of approximately \$19,7420,900,000.

BE IT FURTHER RESOLVED that Metropolitan's Board delegates legal authority to Metropolitan's General Manager to enter into an agreement with the Delta Conservancy, subject to the approval of the General Counsel, relevant to receipt of the requested proposal to Develop a Multi-Benefit Landscape Opportunity on Webb Tract grant.

BE IT FURTHER RESOLVED that Metropolitan is capable of providing the amount of funding and/or in-kind contributions specified in the funding plan.

BE IT FURTHER RESOLVED that if selected for funding, Metropolitan will work with Delta Conservancy to meet established program deadlines.

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 May 9, 2023.

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



One Water and Stewardship Committee

Adopt a Resolution to Support a Grant Application and Accept Funding if Awarded for a Multi-Benefit Landscape Opportunity on Webb Tract

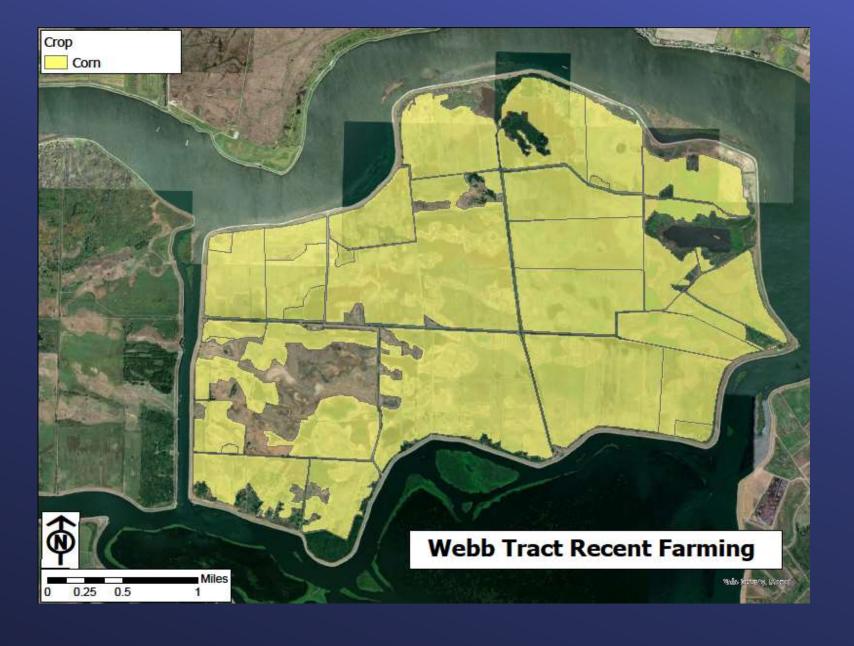
Item 8-3 May 8, 2023 Multi-Benefit Landscape Grant Opportunity

- Adopt a resolution to support a \$20.9
 million grant application to the
 Sacramento-San Joaquin Delta
 Conservancy to develop a multi-benefit
 landscape opportunity on Webb Tract
- Authorize the General Manager to accept the grant, if awarded

Webb Tract Location Map



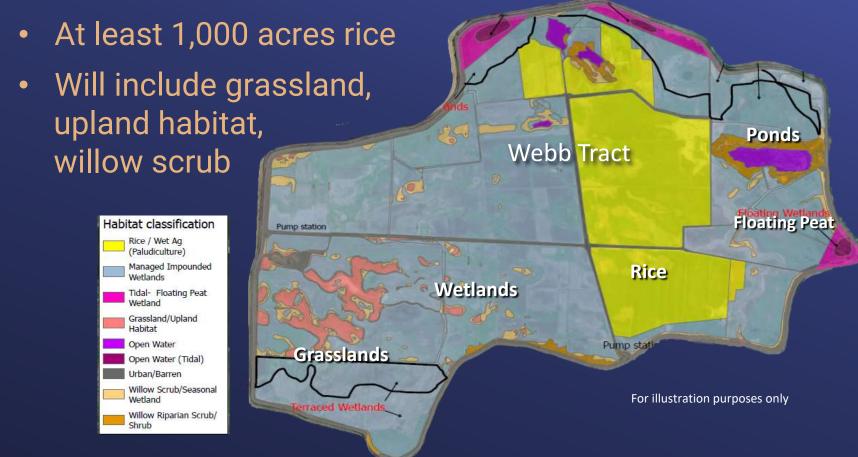
Past Land Use on Webb Tract



Webb Tract Grant Application

• \$20.9M grant proposal to Delta Conservancy

At least 3,000 acres managed wetlands



Webb Tract Grant Goals

- Stop and/or reverse subsidence
- Reduce greenhouse gas emissions and generate carbon offsets
 - Metropolitan's Climate Action Plan
 - Income from carbon credits
- Generate lease income from rice fields
- Investigate sustainable farming and water management
- Augment the Delta pelagic food web

Grant will fund

- Design
- Environmental documentation/permitting
- Construction
- Quantification of GHG reductions
- One limited-term position
- Grant period 3 years



Phase 2

Photo: Courtesy Department of Food & Ag

Phase 1

Grant

Details

Metropolitan Matching

- In-kind services ~ \$3.5 million (~14%)
- Transferable land encumbrance 15 years



Bay-Delta Grant Highlights

- Grants approved (~ \$55 million)
 - \$ 39.9 million Levee improvements (2016-2023)
 - \$ 9.5 million Riverine restoration levee setback (2022-23)
 - \$ 3.0 million Levee maintenance (2016-present)
 - \$1.5 million Emergency response supplies (2022)
 - \$ 1.1 million Collaborative landscape planning (2022)
- Grant applications in process
 - \$ 20.9 million Webb Tract landscape mosaic (submitted)
 - \$ 3.7 million Bouldin Island wetland/carbon sequestration
 - \$360,000 Delta smelt propagation research
 - \$ 7.5 million Levee improvements (in process)

Next Steps

- Delta Conservancy Board considers grant for funding – May 24, 2023
- If awarded, staff returns to the Board to add project to the CIP – June 2023
- Staff returns to the Board to execute agreements for design, environmental documentation and permit preparation – Fall 2023

Board Options

- Option #1
 - a. Adopt a resolution to support an approximately \$20,900,000 grant application to the Sacramento-San Joaquin Delta Conservancy to develop a multi-benefit landscape opportunity on Webb Tract; and
 - b. Authorize the General Manager or designated representative to accept the grant if awarded.
- Option #2

Do not adopt the resolution supporting the grant application and authorizing the General Manager to accept funding if awarded

Staff Recommendation

Option #1



RESOLUTION 9344

RESOLUTION OF THE BOARD OF DIRECTORS OF THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA IN SUPPORT OF ITS PROPOSAL FOR FUNDING UNDER THE DELTA CONSERVANCY NATURE BASED SOLUTIONS: WETLAND RESTORATION GRANT PROGRAM TO DEVELOP A MULTI-BENEFIT LANDSCAPE OPPORTUNITY ON WEBB TRACT

WHEREAS, the Sacramento-San Joaquin Delta Conservancy (Delta Conservancy) is requesting proposals from sponsors to facilitate project development under the Amended Budget Act of 2022 for projects that support Nature Based Solutions: Wetland Restoration; and

WHEREAS, the submittal of a proposal for grant funding and acceptance of funding by Metropolitan has been determined not to be a project under the California Environmental Quality Act (CEQA) under Section 15378(b)(4) and Section 15378(b)(5) of the State CEQA Guidelines; and

WHEREAS, the expenditure of grant funding, if awarded, for design, environmental review, preconstruction data collection and permitting activities by Metropolitan has been determined to be exempt from CEQA under Section 15306 and Section 15262 of the State CEQA Guidelines.

WHEREAS, prior to formal approval of any proposed construction by the Board, CEQA documentation will be prepared and processed in accordance with the CEQA and State CEQA Guidelines; and

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of The Metropolitan Water District of Southern California that the Board supports the Metropolitan Water District's proposal to Develop a Multi-Benefit Landscape Opportunity on Webb Tract.

BE IT FURTHER RESOLVED that Metropolitan's Board authorizes Metropolitan's General Manager or his/her designee to accept grant funding of approximately \$20,900,000.

BE IT FURTHER RESOLVED that Metropolitan's Board delegates legal authority to Metropolitan's General Manager to enter into an agreement with the Delta Conservancy, subject to the approval of the General Counsel, relevant to receipt of the requested proposal to Develop a Multi-Benefit Landscape Opportunity on Webb Tract grant.

BE IT FURTHER RESOLVED that Metropolitan is capable of providing the amount of funding and/or in-kind contributions specified in the funding plan.

BE IT FURTHER RESOLVED that if selected for funding, Metropolitan will work with Delta Conservancy to meet established program deadlines.

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 May 9, 2023.

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

Board of Directors One Water and Stewardship Committee

5/9/2023 Board Meeting

Revised 8-4

Subject

Authorize the General Manager to enter into an agreement with Western Municipal Water District, Rubidoux Community Services District, West Valley Water District, and San Bernardino Valley Municipal Water District to deliver water to Western's service area through facilities not owned by Metropolitan or Western; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

This letter seeks authorization for an agreement with the following:

- Western Municipal Water District (Western), a member agency of Metropolitan,
- Rubidoux Community Services District (Rubidoux), a customer water agency of Western,
- San Bernardino Valley Municipal Water District (Valley District), a State Water Contractor, and
- West Valley Water District (West Valley), a customer agency of Valley District;

collectively referred to as the "Parties" to deliver Metropolitan supplies to Western's service area through facilities owned and operated by Valley District and West Valley. Under the proposed agreement, Metropolitan would supply up to 2,000 acre-feet of water per year (AFY) to Western through Valley District's SWP connection on the San Gabriel Valley Devil Canyon – Azusa Pipeline (Azusa Pipeline), provided there is available capacity and through a new interconnection between West Valley and Rubidoux to be constructed by Rubidoux. Water deliveries would move from Valley District's connection on the Azusa Pipeline, through West Valley's infrastructure, to reach Western's service area through the new interconnection at Rubidoux. Under this agreement, Metropolitan would bill the deliveries to Western like other full-service deliveries. Metropolitan will not be responsible for any additional costs incurred by any other party due to this arrangement and no additional operational costs will be incurred by Metropolitan.

Details

Background

Western is a Metropolitan member agency, and Rubidoux is one of Western's customer water agencies. Rubidoux is fully annexed within Western's service area and serves approximately 40,000 customers. Currently, Rubidoux relies exclusively on local groundwater and has no connection to a distribution system that delivers Metropolitan supplies. Western requested delivery of Metropolitan's supplies for Rubidoux's use. The Board's approval is required to transport Metropolitan water through facilities not owned by Metropolitan. However, board approval is not required to meet increased demands for supply from Western, a member agency.

Metropolitan has capacity rights in the Azusa Pipeline as part of an existing exchange agreement with San Gabriel Valley Municipal Water District (San Gabriel Valley), a State Water Contractor. San Gabriel Valley owns and operates the Azusa Pipeline, which delivers its State Water Project (SWP) supplies from the Devil Canyon turnout on the East Branch of the SWP. Valley District has an existing connection at Lytle Creek Station on the Azusa Pipeline. West Valley is a customer agency of Valley District and can accept Metropolitan's SWP supplies through Valley District's connection. West Valley has facilities and infrastructure in place to deliver a like amount of Metropolitan's supplies to Western's service area. With this agreement, West Valley would deliver the supplies to Western's service area through a future connection between West Valley and Rubidoux.

In April 2022, the Parties requested a long-term agreement for Metropolitan to supply up to 2,000 AFY to Western through Valley District's and West Valley's conveyance and distribution systems. However, the Board authorized only a one-year agreement and requested that staff return and report after assessing alternatives. After the Board's action, Rubidoux did not construct the required interconnection to accept water deliveries from West Valley due to the uncertainty of long-term supplies from Western/Metropolitan with a one-year agreement. Therefore, the Parties did not enter into a one-year agreement with Metropolitan. In March 2023, staff returned to the Board to present alternatives as requested.

On April 10, 2023, the Equity, Inclusion, and Affordability Committee held a panel discussion on the proposed agreement. More information on the panel's discussion is included in **Attachment 2**. Board discussions brought to the forefront three policy topics that extend beyond the current proposal for Rubidoux, but that were posed by the Board relating to Metropolitan's service in general:

- 1. Providing equal access to Metropolitan supplies throughout Metropolitan's service area, especially for disadvantaged communities.
- 2. Approving or restricting new and/or existing uses (e.g., blending) of Metropolitan supplies.
- 3. Reducing reliance on imported supplies from the Delta.

Metropolitan will discuss these policy topics separately from the authorization for this proposed agreement. Staff will address equal access to Metropolitan's supplies in its resiliency planning efforts through its Climate

Adaptation Master Plan - and bring further discussions to the Equity, Inclusion, and Affordability Committee.

Staff will bring the Board an item for discussion on approving or restricting new and/or current uses of

Metropolitan supplies at the One Water and Stewardship Committee, or an alternate committee as directed by the

Board. Finally, Metropolitan has invited the Executive Director of the Delta Stewardship Council to speak at the

One Water and Stewardship Committee, or an alternate committee as directed by the Board, to describe state

policy on reducing reliance on the Delta to meet the state's future water supply needs.

Proposed Agreement

Staff requests authorization to enter into a long-term agreement to deliver up to 2,000 AFY to Western's service area using Valley District's and West Valley's facilities. Metropolitan would supply the requested water through Metropolitan's unused capacity in the Azusa Pipeline. Valley District would deliver Metropolitan's supplies on behalf of Metropolitan to West Valley at Valley District's Lytle Creek connection on the Azusa Pipeline. West Valley would treat and deliver a like amount of requested water to the border of Western through a new interconnection between West Valley and Rubidoux. Western would pay Metropolitan's full-service rate in effect at the time of the delivery of Metropolitan supplies into Western's service area at the new interconnection. The delivery would be subject to the capacity charge, readiness-to-serve charge, and all volumetric water rates in the same manner as any other Metropolitan delivery to Western.

Staff recommends that the Board authorize the General Manager to enter into an agreement with the Parties consistent with the terms outlined in **Attachment 1**. The terms include an acknowledgment that deliveries are not guaranteed and may face reduction requirements during drought, which is consistent with Metropolitan's service to all member agencies. General terms include:

- 1. Agreement termination of November 4, 2035.
- 2. Maximum delivery amount is 2,000 AF per calendar year.
- 3. Metropolitan water deliveries under this Agreement are subject to the Administrative Code like any other Metropolitan deliveries.
- 4. Deliveries are not guaranteed and are limited to Metropolitan's unused capacity in the Azusa Pipeline.
- 5. When the California Department of Water Resources is administering SWP allocations pursuant to Article 18a of the Water Supply Contracts or during a time when Metropolitan's Board of Directors has declared that a shortage is in effect, the same guidelines, procedures, and limitations that Metropolitan applies to its Member Agencies will apply to deliveries made under this Agreement.

The new interconnection between West Valley and Rubidoux will be constructed at no cost to Metropolitan and will be metered in accordance with Metropolitan standards for new service connections.

Authorizing this proposed delivery agreement is consistent with Metropolitan's current policies and similar to authorizations granted in the past. Metropolitan's General Manager is authorized to construct service connections on its facilities for water delivery to member agencies. Special service connections, such as those not on a Metropolitan-owned pipeline, may be presented to the Board for authorization. Previously, Metropolitan's Board authorized the construction of two new service connections off the Azusa Pipeline and authorized a similar agreement for water delivery into Metropolitan's and Inland Empire Utilities Agency's service area using Valley District's Lytle Creek turnout on the Azusa Pipeline.

Policy

Metropolitan Water District Administrative Code, Division IV, Section 4209: Contracts

Metropolitan Water District Administrative Code, Division IV, Section 4401-4403: Rates; Readiness-to-Serve Charge; Capacity Charge

Metropolitan Water District Administrative Code, Division IV, Section 4700: Service Connections

Metropolitan Water District Administrative Code, Division XI, Section 11104: Delegation of Responsibilities

By Minute Item 30524, dated September 17, 1974, the Board authorized a cooperative water exchange agreement to eliminate the overdraft condition in the western portion of the Main San Gabriel Basin; as part of this agreement, Metropolitan is granted conveyance rights to the unused capacity in San Gabriel Valley Municipal Water District's Devil Canyon-Azusa pipeline.

By Minute Item 44267, dated December 12, 2000, the Board authorized the General Manager to execute an agreement to construct a service connection by Three Valleys Municipal Water District on San Gabriel Valley Municipal Water District's pipeline as described in the letter signed by the General Manager on November 20, 2000.

By Minute Item 48111, dated December 8, 2009, the Board authorized the construction of the North Azusa Connection by Three Valleys on San Gabriel District's Azusa pipeline for the deliveries of Metropolitan water using Metropolitan's capacity rights, as set forth in the letter signed by the General Manager on November 20, 2009.

By Minute Item 52439, dated July 13, 2021, the Board authorized the General Manager to enter into an agreement with Inland Empire Utilities Agency, West Valley, and Valley District to provide West Valley assistance with water deliveries in the event of an emergency or planned outage, or the loss of local supply, as set forth in Agenda Item 7-7 board letter.

By Minute Item 52783, dated April 12, 2022, the Board authorized the General Manager to enter into a one-year agreement with Western Municipal Water District, Rubidoux Community Services District, West Valley Water District, and San Bernardino Valley Municipal Water District to provide Rubidoux assistance with water deliveries, subject to a possible extension if approved by the Board following a review by the General Manager on alternative means of addressing Rubidoux's needs, as amended at Committee and set forth in Agenda Item 7-10 board letter.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is not defined as a project under CEQA (Public Resources Code Section 21065, State CEQA Guidelines Section 15378) because the proposed action will not cause either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment and involves continuing administrative activities, such as general policy and procedure making (Section 15378(b)(2) of the State CEQA Guidelines). In addition, 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 (Section 15378(b)(4) of the State CEQA Guidelines). The delivery of water is exempt from CEQA

as it consists of the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features involving negligible or no expansion of existing or former use (Section 15301 of the State CEQA Guidelines).

CEQA determination for Option #2:

None required

Board Options

Option #1

Authorize the General Manager to enter into an agreement with Western Municipal Water District, Rubidoux Community Services District, West Valley Water District, and San Bernardino Valley Municipal Water District to deliver water to Western's service area through facilities not owned by Metropolitan or Western.

Fiscal Impact: Potential revenue from water sales. Metropolitan could receive up to \$1.7 million in revenue annually, based on the current water rates, assuming delivery of 2,000 AF of Tier 1 full-service untreated water under this agreement.

Business Analysis: Assist Western in providing water supply reliability to an area of Metropolitan's service area where Western does not currently deliver Metropolitan water supplies.

Option #2

Do not authorize the General Manager to enter into an agreement with Western Municipal Water District, Rubidoux Community Services District, West Valley Water District, and San Bernardino Valley Municipal Water District to deliver water to Western's service area through facilities not owned by Metropolitan or Western.

Fiscal Impact: None.

Business Analysis: Would not assist Western in providing water supply reliability to an area of Metropolitan's service area where Western does not currently deliver Metropolitan water supplies.

Staff Recommendation

Option #1

Brad Coffey Date

Manager, Water Resource Management

5/5/2023

Adel Hagekhalil

General Manager

Date

Attachment 1 – Term Sheet for the Agreement to Deliver Water to Western's Service Area through Facilities not owned by Metropolitan or Western

Attachment 2 – Equity, Inclusion, and Affordability Committee: Panel discussion on Rubidoux Community Services District, April 10, 2023

Term Sheet for the Agreement to Deliver Water to Western Municipal Water District's Service Area through Facilities not Owned by Metropolitan or Western

Agreement Overview

- Parties: Western Municipal Water District (Western)—a Metropolitan member agency; Rubidoux Community Services District (Rubidoux)—Western's customer agency, San Bernardino Valley Municipal Water District (Valley District)—a neighboring State Water Contractor; West Valley Water District (West Valley)—Valley District's customer agency, and The Metropolitan Water District of Southern California (Metropolitan)
- Effective Date: Upon agreement execution
- Termination Date: November 4, 2035, provided that any party may cancel with 30 days written notice
- Maximum Delivery Amount: 2,000 AF per calendar year

Key Terms

- Western will request delivery of water from Metropolitan.
- Metropolitan will request Valley District to deliver Metropolitan supplies equal to Western's requested amount to West Valley at Valley District's connection (Lytle Creek, Station, 1747+00) on the San Gabriel Valley Devil Canyon – Azusa Pipeline.
- The delivery of water by Metropolitan is not guaranteed and is limited to the unused capacity in the San Gabriel Valley Devil Canyon-Azusa Pipeline.
- West Valley will treat and deliver a like amount of Western's requested amount to an interconnection between West Valley and Rubidoux for use only within Metropolitan's service area.
- The interconnection between West Valley and Rubidoux will be constructed at no cost to Metropolitan and will be metered in accordance with Metropolitan standards for new service connections.
- Metropolitan water deliveries under this Agreement will be subject to the Metropolitan Administrative Code in the same manner as any other Metropolitan delivery to Western.
- Western will pay Metropolitan's full-service untreated rate in effect at the time of delivery. The delivery is subject to the capacity charge, readiness-to-serve charge, and all volumetric water rates in the same manner as deliveries made to Western through Metropolitan's distribution system and connections.
- Valley District or West Valley shall have no responsibility for the cost of water delivered to Valley District's connection for use within Western's service area.
- Metropolitan will be responsible for any charges by the Department of Water Resources for the State Water Project supplies delivered to Western through Valley District's connection, like all other charges associated with the State Water Project.
- If the Department of Water Resources administers a SWP allocation pursuant to Article 18a of the Water Supply Contracts or during a time when Metropolitan's Board of Directors has declared that a regional shortage is in effect, the same guidelines, procedures, and limitations that Metropolitan applies to its Member Agencies will apply to deliveries made pursuant to this Agreement.

Equity, Inclusion, and Affordability Committee: Panel discussion on Rubidoux Community Services District April 10, 2023

Link to Equity, Inclusion, and Affordability Committee meeting, 4/10/23:

https://mwdh2o.granicus.com/player/clip/10211?view_id=12&redirect=true&h=e4c6fd0393b71c27ee1b96e1b74277f4

To access a video of the panel discussion, click on the link above or navigate to 'Document and Meeting Archives' under the Board of Directors section on Metropolitan Water District's website. Select the Equity, Inclusion, and Affordability Committee meeting on April 10, 2023 to find the link to the video.

Panelists:

- Sandra Kerl, General Manager of San Diego County Water Authority
- Craig Miller, General Manager of Western Municipal Water District
- Alex Rojas, General Manager of Central Basin Municipal Water District



One Water and Stewardship Committee

Authorize the General Manager to enter into an agreement with Western Municipal Water District, Rubidoux Community Services District, West Valley Water District, and San Bernardino Valley Municipal Water District to deliver water to Western's service area through facilities not owned by Metropolitan or Western

Item 8-4 May 8, 2023

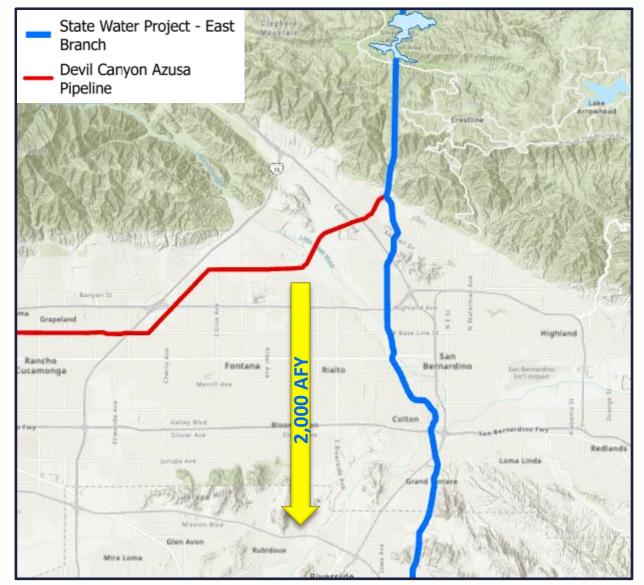
Background

Western requests a new connection to Metropolitan supplies using the Azusa Pipeline and West Valley Water District's distribution system

Delivery of MWD Supplies

Azusa Pipeline

- East Branch →
 Azusa Pipeline
- Terminates at San Gabriel Canyon Spreading Grounds in Azusa



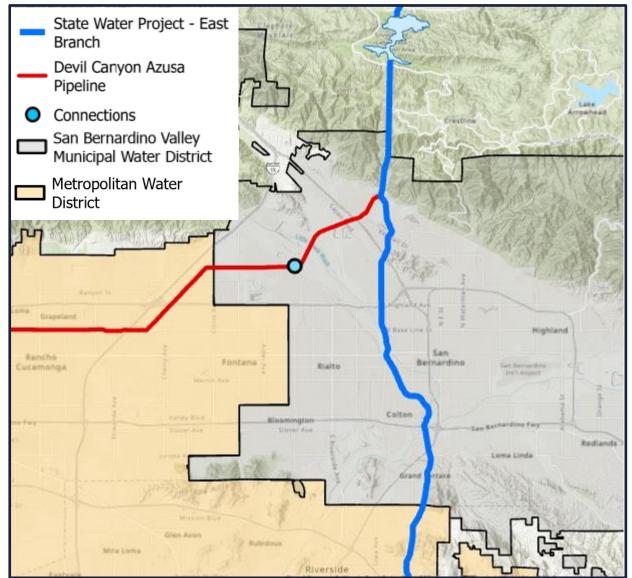
Background

Western requests a new connection to Metropolitan supplies using the Azusa Pipeline and West Valley Water District's distribution system

Delivery of MWD Supplies

State Water Contractors

- San Gabriel Valley MWD
- Metropolitan
- SB Valley Water District
 - Lytle Creek is the last turnout on Azusa Pipeline



Background

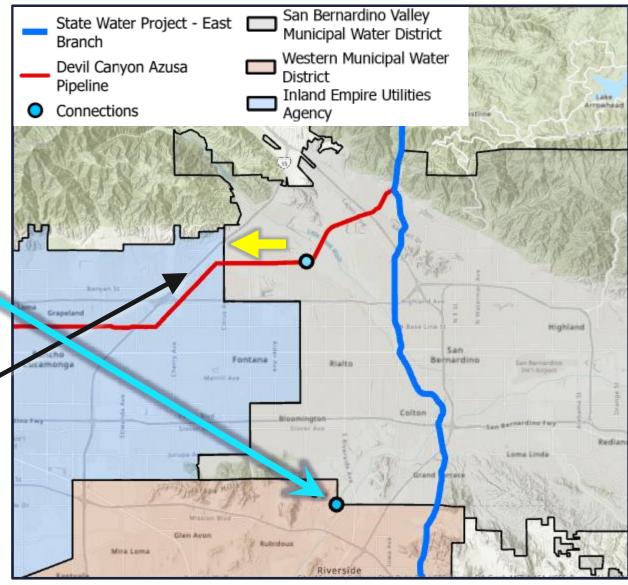
Western requests a new connection to Metropolitan supplies using the Azusa Pipeline and West Valley Water District's distribution system

Delivery of MWD Supplies

Metropolitan Member Agencies

- Three Valleys
- IEUA
- Western
 - Proposed interconnection to receive MWD supplies

July 2021: Delivery agreement for IEUA



Background

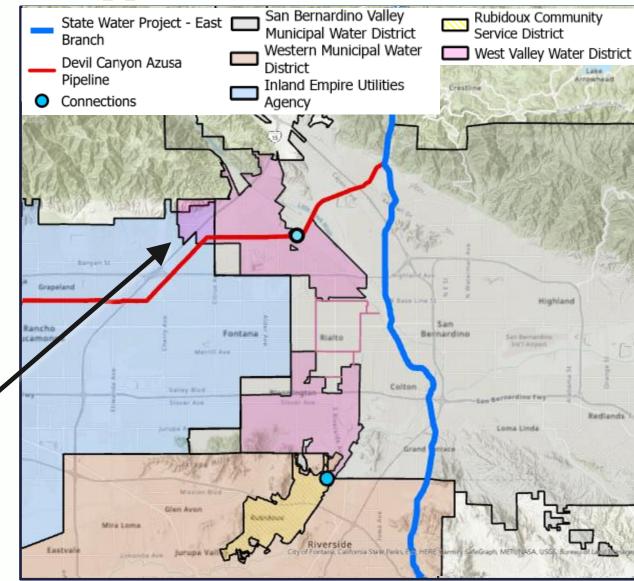
Western requests a new connection to Metropolitan supplies using the Azusa Pipeline and West Valley Water District's distribution system

Delivery of MWD Supplies

Customer Agencies

- West Valley Water
 District (Valley
 District & IEUA)
- Rubidoux
 Community
 Services District
 (Western)

July 2021: Delivery agreement for IEUA



Background

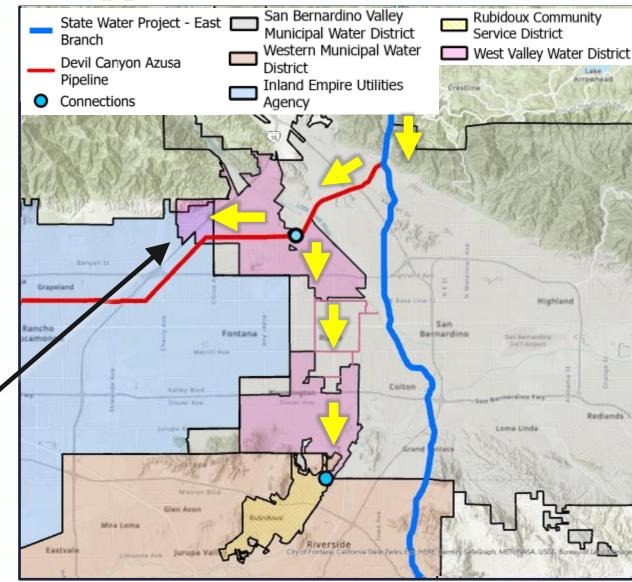
Western requests a new connection to Metropolitan supplies using the Azusa Pipeline and West Valley Water District's distribution system

Delivery of MWD Supplies

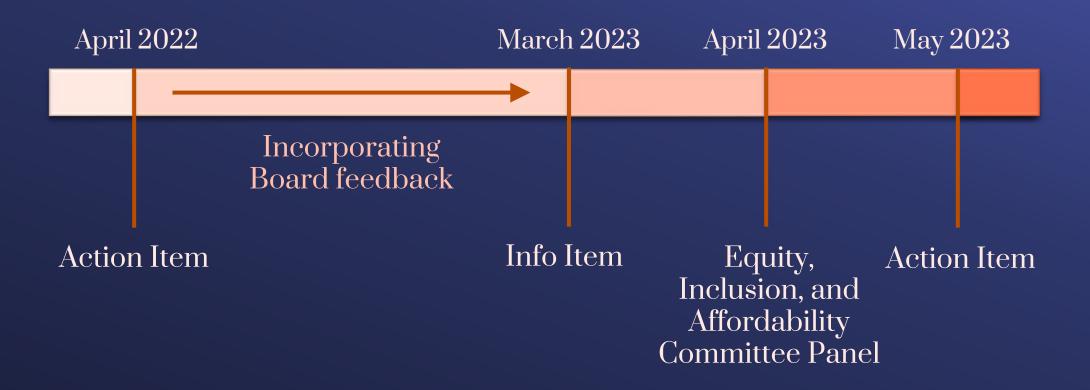
Customer Agencies

- West Valley Water
 District (Valley
 District & IEUA)
- Rubidoux
 Community
 Services District
 (Western)

July 2021: Delivery agreement for IEUA

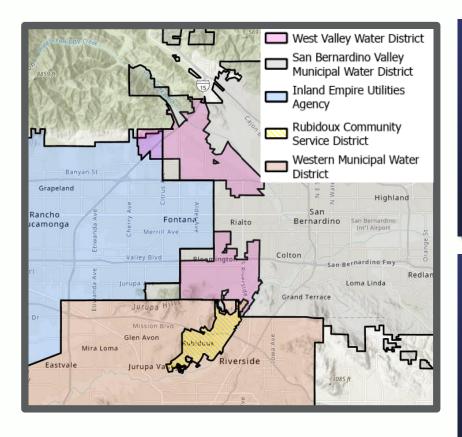


Board History on Proposed Authorization



Board History

April 2022 Authorization Request



Staff Request

- Long-term agreement
- 2,000 AFY of MWD water deliveries
- Blend MWD deliveries with local GW supplies

Board Direction

- Execute a one year agreement
- 2,000 AF of water deliveries
- Explore alternative solutions
- Return to Board

Board History

March 2023 Presentation

Alternatives:

Challenges

- Desalination
 - Groundwater treatment
 - Riverside Water Quality Control Plant upgrades
 - Connect to Arlington Desalter
- Connect to Western
- Utilize another Groundwater Source
 - Bunker Hill GW supplies (6 TAF)

Board Feedback:

- Other alternatives?
- When to provide SWP supplies to agencies facing water problems
- Scarcity of SWP supplies
- Equal access to imported supplies throughout service area

Item 8-4

Board History

April 2023 EIA Committee Panel

Sandra Kerl
 General Manager
 San Diego County Water Authority



Craig Miller
 General Manager
 Western Municipal Water District



Alex Rojas
 General Manager
 Central Basin Municipal Water District



Board History

Policy Topics

Policy Topics

- Equal access to Metropolitan supplies throughout service area, especially for DACs
- Approve or restrict new and/or existing uses of Metropolitan supplies (e.g., blending)
- Reduce reliance on imported supplies from the Delta

Staff Response*

- Climate Adaptation Master Plan; Further discussions @ EIA Committee
- Future board discussion

 Delta Stewardship Council Executive Director to present state policy on reducing reliance on the Delta

* To be discussed separately from this authorization

Agreement to deliver water to Western through facilities not owned by Metropolitan or Western Proposed Agreement

Policies

- No new policies required for approval
 - General Manager authorized to construct new service connections
 - Special service connections must receive Board authorization
- Metropolitan has conveyance rights in Azusa Pipeline
 - Metropolitan's Board has authorized:
 - Two new service connections off Azusa Pipeline, and
 - Water delivery agreement to IEUA using Lytle Creek turnout
- Other Policies
 - Mission Statement, Salinity Management Policy, Delivery at or near Member Agency boundary

Proposed Agreement

Agreement Terms

- Maximum delivery amount of 2,000 AFY
- Terminates November 4, 2035
- Deliveries by Metropolitan are not guaranteed and are limited by the unused capacity in the Azusa Pipeline
- Deliveries to Western under this agreement are subject to the same guidelines, procedures, and limitations applied to all Member Agencies in times of shortage
- Western will pay Metropolitan's full service untreated water rate in effect at the time of the delivery, including Capacity Charge and Readiness-to-Serve Charge

If Approved...

Delivery Process



• Parties enter into agreement



• Rubidoux constructs interconnection at no cost to Metropolitan



• Existing operational procedures for Azusa Pipeline deliveries will apply to this agreement



 Deliveries will be metered according to Metropolitan standards





Western requests MWD water from Azusa Pipeline



Delivery infrastructure not owned by MWD or Western



Possible through MWD's capacity rights & partnerships



No additional MWD policy required for approval



Rubidoux constructs interconnection - no cost to MWD



Western pays MWD for water & follows all guidelines

Option #1

 Authorize the General Manager to enter into an agreement with WMWD, Rubidoux, West Valley, and Valley District to deliver water to Western's service area through facilities not owned by Metropolitan or Western.

Option #2

 Do not authorize the General Manager to enter into an agreement with WMWD, Rubidoux, West Valley, and Valley District to deliver water to Western's service area through facilities not owned by Metropolitan or Western. Agreement to deliver water to Western through facilities not owned by Metropolitan or Western

Board Options

Option #1

Agreement to deliver water to Western through facilities not owned by Metropolitan or Western

Staff Recommendation





Board of Directors One Water and Stewardship Committee

5/9/2023 Board Meeting

8-5

Subject

Review and maintain the General Manager's implementation of the Cyclic Cost-Offset Program effective April 15, 2023, pursuant to the Program terms approved by the Board on April 9, 2019; the Program previously was determined to be exempt or otherwise not subject to CEQA

Executive Summary

The General Manager has determined that water supply conditions strongly indicate that Metropolitan is at risk of not being able to capture and store all available supplies in calendar year 2023. Given the recent State Water Project (SWP) allocation increase to 100 percent, surplus SWP supplies through Article 21, continued lower demands, and late-season storms that continued to fill replenishment basins, available supplies are projected to exceed Metropolitan's storage capability this year. Accordingly, the General Manager initiated the Cyclic Cost-Offset Program (Program), effective April 15, 2023, pursuant to the Board's April 2019 authorization. The implementation of the Program increases Metropolitan's water management opportunities by helping member agencies offset costs incurred while capturing water they otherwise would not have purchased from Metropolitan. The cost-offset is limited to \$264/acre-foot, which escalates each calendar year using the Consumer Price Index (CPI).

Metropolitan provides the offset as a credit on water purchased above the member agencies' normal deliveries pursuant to prior arrangement with the member agency and Metropolitan staff, certification, and reconciliation. The procedure to implement and continue the Program was authorized by the Board's April 2019 action. Therefore, no board vote or action is required to continue the Program as determined and implemented by the General Manager. However, the Board may suspend the current implementation of the Program and stop the use of cost-offset credits, which would take effect no earlier than May 26, 2023. The additional time after the Board's action to suspend would minimize disrupting deliveries already arranged with member agencies and allow for the 15-day notice of termination required under the agreements.

Details

Background

On April 9, 2019, Metropolitan's Board authorized the General Manager to enter into agreements to provide a credit to offset costs associated with increased deliveries to cyclic accounts when the General Manager determines that availability of imported supplies exceeds Metropolitan's ability to manage those supplies for the region. During that wet year, Metropolitan pre-delivered 19,000 AF that could not otherwise be captured by the region. The participating agencies subsequently purchased all that water from their cyclic accounts and reduced demand on Metropolitan over these past drought years.

In addition to increasing the allocation to 100 percent, DWR has also delivered 134,000 acre-feet of Article 21 supplies as of April 19. Article 21 refers to interruptible water DWR makes available to SWP contractors. Article 21 water is in addition to Table A allocation amounts. As a result of the increased SWP allocation, lower forecasted demands, Article 21 supplies delivered, and late-season storms that filled replenishment basins, staff projects up to 419,000 acre-feet of available supplies at risk of loss to the region. The amount of supplies at risk of loss may change as hydrologic conditions develop.

Metropolitan is working to meet member agency requested deliveries, repay supply obligations, and store as much water as possible in a cost-effective manner. The current strategy is to repay the Human Health & Safety water debt, SWP flexible storage, and Reverse Cyclic Program obligations, fill Diamond Valley Lake, maximize contractual storage in Metropolitan's SWP groundwater storage programs, store water in member agency conjunctive use and cyclic programs, maximize SWP carryover, store Colorado River supplies with Desert Water Agency and Coachella Valley Water District, and add water to Lake Mead either through storage in Metropolitan's Intentionally Created Surplus account or a new arrangement with the U.S. Bureau of Reclamation.

Early implementation of the Program maximizes opportunities to capture supplies, and therefore further reduces the potential magnitude of unmanaged supplies in 2023. Delays in Program implementation increase the risk of missed opportunities to capture the projected available supplies. Accordingly, the General Manager exercised the authority provided by the Board pursuant to its April 2019 action to implement the use of cost-offset credits and enter into agreements to implement the Program.

Cyclic Cost-Offset Credit Program

In order to receive the cost-offset in the form of a credit, the member agency must take an action to increase the capture of additional supplies at Metropolitan's request. Since such requests would require agencies to take deliveries beyond their normal operations, agencies may incur additional costs associated with capturing the increased supplies. Capturing additional supplies in the region may be limited if Metropolitan does not offset these additional agency costs.

The cost-offset credit helps member agencies manage the additional unplanned costs associated with capturing increased volumes of water. To qualify for the credit, the member agency must:

- (1) Receive more water from Metropolitan than it originally projected; and
- (2) Purchase the delivered water on an agreed-upon schedule at the then-applicable full-service rate within five years.

Pursuant to the General Manager's determination to implement the Program as of April 15, 2023, Metropolitan staff is working with member agencies to execute new agreements and to amend existing agreements to incorporate the 2023 credit rate. Existing cyclic agreements allow Metropolitan to manage up to 545,000 acre-feet. Metropolitan will deliver water under the Program only when there is a need to do so. Metropolitan is not required to deliver the maximum amount of water in each agreement and may terminate deliveries under the Program upon 15 days' notice if there is no longer a need.

For those agencies without existing cyclic agreements, staff is working to complete agreements as soon as possible. Like all other deliveries from cyclic accounts, the purchase of water received under the Program does not incur a Capacity Charge because the delivery is at Metropolitan's discretion. Metropolitan charges the member agency all other components of Metropolitan's full-service water rate, and the deliveries are included in the calculation of the agencies' Readiness-to-Serve Charge at the time the agency purchases the water. To determine the amount of the credit for each agency, staff considers additional costs the agency incurs to capture supplies beyond the amount originally expected. The approved increased costs then become eligible for the cost-offset credit, up to \$264/acre-foot, which was escalated from 2019 by the CPI as authorized by the Board in its original action approving the Program. To ensure Metropolitan gives credits only for deliveries of water exceeding the agency's projections, Metropolitan in its sole discretion will certify that the surplus delivery to an agency is in addition to normal deliveries. Metropolitan will void any credits given for uncertified deliveries.

Summary

Given the recent SWP allocation increase to 100 percent, the delivery of Article 21 supplies, and lower demands, water available in 2023 may exceed Metropolitan's capability to store. By initiating the cost-offset credit for deliveries into cyclic accounts, member agencies increase the amount of water delivered to the region. By increasing deliveries to the region, Metropolitan frees up future water supplies to ensure reliable deliveries to all member agencies. This water will be managed locally, which enhances supplies available either during an emergency or future dry year and increases Metropolitan's future water sales pursuant to the agency's agreement to buy that water.

Pursuant to the Board's April 9, 2019, action, continuing the implementation of the Program requires no action and, therefore, no vote by the Board. However, if the Board elects to stop the use of cost-offset credits, the Board may vote to suspend the General Manager's implementation of the Program. Staff recommends that any such suspension be effective no earlier than May 26, 2023, to avoid disrupting deliveries staff has already arranged with member agencies and allow for the 15-days' notice of termination required under the agreements. The alternative to suspend the Program's April 15, 2023 implementation, however, does not rescind the Board's April 9, 2019, action to authorize the General Manager to implement the Program, and the General Manager may implement the Program again in the future.

Policy

Metropolitan Water District Administrative Code Section 4209: Contracts

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute Item 50793, dated April 10, 2017, the Board authorized the General Manager to enter into cyclic agreement with Metropolitan's member agencies.

By Minute 50888, dated July 11, 2017, the Board authorized the General Manager to enter into cyclic agreements providing a credit of up to \$225 per acre-foot for in-lieu deliveries.

By Minute Item 51563, dated April 9, 2019, the Board approved the General Manager to enter into Cyclic Cost-Offset Credit Program Agreements providing a credit of up to \$225 per acre-foot for deliveries, to be escalated per CPI.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1 and #2:

The Program was previously determined to be categorically exempt under the provisions of CEQA and the State CEQA Guidelines. More specifically, the General Manager found the Program to be exempt under Class 1, Section 15301 of the State CEQA Guidelines on April 9, 2019. The proposed action involves review and consideration of current Program activities and whether to suspend them but does not involve any substantial changes to the Program itself. Accordingly, no further CEQA documentation or determination is necessary for the Board to act with regard to the proposed action.

Board Options

Option #1

Review and maintain the General Manager's implementation of the Cyclic Cost-Offset Program effective April 15, 2023, pursuant to the Program terms approved by the Board on April 9, 2019 (No motion or vote is required for this option; the Report will be received and filed.)

Fiscal Impact: Up to \$264 per acre-foot cost-offset credit to participating member agencies in 2023. The total cost to Metropolitan will depend on the duration of the Program and the deliveries actually made pursuant to the Program. Though the use of this Program was not budgeted for in this biennium, the combined Water Supply and State Water Project budget remain under budget, which can be used to pay for the Program.

Business Analysis: Metropolitan would improve regional reliability through the delivery of water to the region that would have otherwise been lost. The additional cost to manage such water at an amount not to exceed \$264 per acre-foot is less than Metropolitan's average cost of approximately \$300 per acre-foot to store water in its SWP storage programs. Further, the delivery of the supplies to the region incurs lower power costs in wet years than in dry years because of higher hydroelectric generation on the State Water Project. Metropolitan will also generate additional revenue from its ability to sell the additional water it is able to receive and store pursuant to the Program.

Option #2

Suspend the Cyclic Cost-Offset Credit Program implementation by the General Manager on April 15, 2023, effective no earlier than May 26, 2023.

Fiscal Impact: The cost of the credits will be limited to eligible deliveries made under the Program between April 15, 2023, and May 26, 2023. Thereafter, fiscal impact includes potential loss of water that may be sold in the future and an increase in costs to acquire additional water for the region in the future through other means.

Business Analysis: Suspending the credit in cyclic agreements would decrease the water supplies available to the region in 2023 and in the future.

Staff Recommendation

Option #1, which requires no vote by the Board.

5/2/2023

Date

Brad Coffey

Manager, Water Resource Management

5/3/2023

Adel Hagekhalil Date

General Manager

Ref# 12696833



One Water and Stewardship Committee

Review and maintain the General Manager's implementation of the Cyclic Cost-Offset Program effective April 15, 2023 pursuant to the Program terms approved by the Board on April 9, 2019; the Program previously was determined to be exempt or otherwise not subject to CEQA

Item 8-5 May 8, 2023

Cyclic Cost-Offset Program (CCOP)

Background

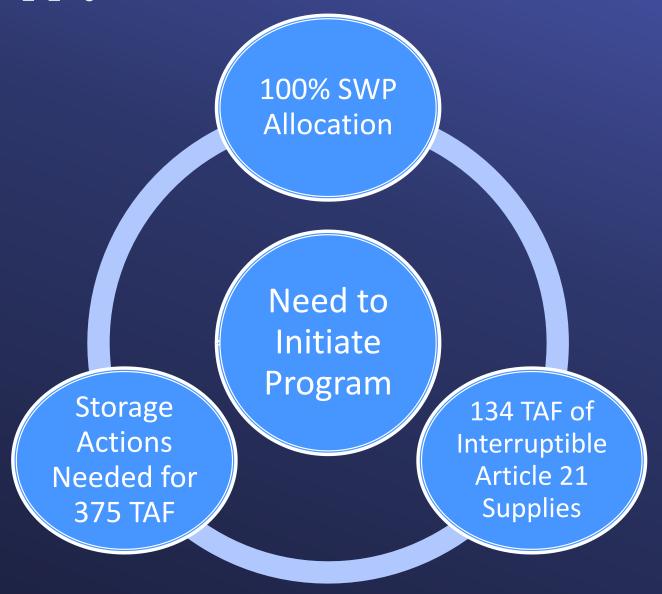
- Board Authorization April 2019
- General Manager authority to:
 - Issue cost offset in form of a credit to member agencies to capture additional water in cyclic accounts when
 - Risk of not capturing all available imported supplies
 - Member agency increases capture and incurs costs above normal supplies

Cyclic Cost-Offset Program (CCOP)

Terms

- Member agency must:
 - Receive more water than originally projected
 - Purchase the delivered water on an agreedupon schedule within five years
- Deliveries at Metropolitan's discretion
 - No capacity charge
- Water purchased at full-service water rate in effect at time of purchase
- Cost offset up to \$264 per acre-foot

2023 Water Supply Conditions



Cyclic Program

Background

- Existing cyclic agreements
 - 24,000 acre-feet balance as of Jan. 2023
 - 545,000 acre-feet total capacity
- Metropolitan working to maximize puts to cyclic accounts
 - 144,000 acre-feet planned to deliver in 2023

Burbank	Pasadena
Calleguas MWD	Municipal Water District of OC
Three Valleys MWD	Upper San Gabriel Valley MWD
Eastern MWD	Western MWD
Rancho California Water District via EMWD and/or WMWD	San Diego County Water Authority

Cyclic Cost-Offset Program (CCOP)

Cyclic Cost-Offset Program

- Nine (9) agreements and drafting new agreements with three (3) member agencies
 - Establishing operating plans with member agencies
 - Deliver water when needed
 - Regularly report to OWS committee
- Coordinating pre-deliveries with member agencies
 - Plan to deliver 22,000 acre-feet
 - Additional deliveries expected

Cyclic Cost-Offset Program (CCOP)

Summary

- Water available in 2023 exceeds Metropolitan's capability to store
- Member agencies help increase the amount of water brought to the region
 - Supplies managed locally within five years
 - Dry-years
 - Emergencies
- Staff will monitor water supply conditions
 - Will stop when risk of exceeding storage ability greatly reduced

Board Options

Options

Option #1:

Review and maintain the General Manager's implementation of the Cyclic Cost-Offset Program effective April 15, 2023, pursuant to the Program terms approved by the Board on April 9, 2019 (No motion or vote is required for this option; the Report will be received and filed.)

Option #2:

Suspend the Cyclic Cost-Offset Credit Program implementation by the General Manager on April 15, 2023, effective no earlier than May 26, 2023.

Staff Recommendation

Board Options

- Review and maintain
- No motion or vote needed





Board of Directors
 Finance, Audit, Insurance, and Real Property Committee

5/9/2023 Board Meeting

8-6

Subject

Adopt resolution to continue Metropolitan's Water Standby Charge for fiscal year 2023/24; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

This action continues the Standby Charge at a rate ranging from \$1.65 to \$14.20 per year for each acre or parcel (if less than an acre) of nonexempt real property within the service area of member agencies that have elected since fiscal year (FY) 1993/94 to pay all or a portion of their Readiness-to-Serve (RTS) Charge obligation through the Standby Charge. The Standby Charge has been collected for those agencies at rates that do not exceed the rates set in FY 1993/94. Continuance of the Standby Charge generates funds that are applied against the participating member agencies' RTS Charge obligation.

Details

Background

On April 12, 2022, Metropolitan's Board of Directors adopted Resolution 9303, fixing and adopting the RTS Charge for the calendar year (CY) 2023. On April 11, 2023, the Board adopted Resolution 9341, fixing and adopting the RTS Charge for CY 2024. The proposed resolution (**Attachment 1**) provides participating member agencies the ability to continue having a portion of their RTS Charge collected by the Standby Charge within their respective service areas for FY 2023/24, which covers a portion of each of the calendar year (CYs) 2023 and 2024. **Attachment 1** is a form of resolution that, if adopted by the Board, will continue the Standby Charge for FY 2023/24.

The amount of the Standby Charge, per acre or per parcel (if less than an acre), within each of the participating member agencies has not exceeded the rates set in FY 1993/94 and has been collected within the service areas of 22 of Metropolitan's 26 member agencies that have elected to pay all or a portion of their respective RTS Charge through the Standby Charge since then. Metropolitan proposes to continue the Standby Charge for the coming fiscal year at rates not exceeding the rates set in FY 1993/94, and therefore, no additional statutory procedures are required for approval.

The resolution also authorizes the General Manager to act upon applications for exemption of certain lands from the collection of the Standby Charge in accordance with the terms and conditions for exemption specified in the resolution. In addition, the resolution provides for an appeal process to review and make recommendations to the Board on appeals by property owners who have been denied the exemption, with final determinations to be made by the Board. The exemption criteria are the same as those adopted for prior years and will be subject to specific guidelines set by the General Manager.

Funds collected from the proposed continuation of the Standby Charge will be segregated to ensure that they are used only for the purposes for which the Standby Charge was collected. **Attachment 2** is the Notice to Member Agencies of Proposed Adoption of Readiness-to-Serve Charge and Capacity Charge for Calendar Year 2024 and Continuation of Standby Charge for Fiscal Year 2023/24, sent to member agencies via email on February 3, 2023.

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

Metropolitan Water District Administrative Code Section 4305: Setting of Charges to Raise Fixed Revenue

Metropolitan Water District Administrative Code Section 4507: Billing and Payment for Water Deliveries

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute Item 52790, dated April 12, 2022, the Board approved the biennial budget for fiscal years 2022/23 and 2023/24 and adopted the resolution fixing and adopting a Readiness-to-Serve Charge for CY 2023.

By Minute Item 53217, dated April 11, 2023, the Board adopted the resolution fixing and adopting a Readiness-to-Serve Charge for CY 2024.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is not defined as a project under CEQA (Public Resources Code Section 21065, State CEQA Guidelines Section 15378) because it will not cause either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment and it involves continuing administrative activities, such as general policy and procedure making (Section 15378(b)(2) of the State CEQA Guidelines). In addition, 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 (Section 15378(b)(4) of the State CEQA Guidelines).

CEQA determination for Option #2:

None required

Board Options

Option #1

Adopt the resolution to continue the Standby Charge for fiscal year 2023/24.

Fiscal Impact: Collect \$44.0 million (approximately) through the continuation of the Standby Charge in fiscal year 2023/24 that would be applied towards the RTS Charge obligation of the participating member agencies.

Business Analysis: This option involves the collection of charges that result in fixed revenues of \$44.0 million (approximately) to pay all or a portion of the RTS Charge of participating member agencies, which is done at the option of the participating member agencies. The Standby Charge does not create additional revenue for Metropolitan beyond the total RTS Charge due by member agencies; it is used by the participating member agencies to meet their RTS Charge obligation.

Option #2

Do not adopt the resolution to continue the Standby Charge for fiscal year 2023/24, which would require the participating member agencies to pay the full RTS Charge directly to Metropolitan, rather than having a portion collected through the Standby Charge.

Fiscal Impact: Metropolitan member agencies would pay the full RTS Charge directly to Metropolitan, including the \$44.0 million (approximately) that would have been collected in FY 2023/24 through the continuation of the Standby Charge.

Business Analysis: This option would require the member agencies participating in the Standby Charge to pay the \$44.0 million (approximately) in RTS Charge obligations that would otherwise have been paid through the collection of the Standby Charge.

Staff Recommendation

Option #1

4/27/2023 Date

Katano Kasaine

Assistant General Manager/

Chief Financial Officer

4/27/2023 Date

Adel Hagekhalil General Manager

Attachment 1 – Resolution of The Board of Directors of The Metropolitan Water District of Southern California Continuing the Water Standby Charge for Fiscal Year 2023/24

Attachment 2 – Notice to Member Agencies of Proposed Adoption of Readiness-to-Serve Charge and Capacity Charge for Calendar Year 2024 and Continuation of Standby Charge for Fiscal Year 2023/24

Ref# cfo12688941

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

RESOLUTION XXXX

RESOLUTION OF THE BOARD OF DIRECTORS OF THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA CONTINUING THE WATER STANDBY CHARGE FOR FISCAL YEAR 2023/24

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

- 1. At its meeting on April 12, 2022, the Board adopted Resolution 9303 "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, 2023;"
- 2. At its meeting on April 11, 2023, the Board adopted Resolution 9341 "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, 2024;"
- 3. Certain member public agencies ("member agencies") of Metropolitan have elected to pay all or a portion of their Readiness-to-Serve ("RTS") Charge obligation through the continuance of the Metropolitan water standby charge ("Standby Charge") collected from parcels within those member agencies;
- 4. Metropolitan is willing to comply with the requests of member agencies opting to have Metropolitan continue to collect the Standby Charge within their respective territories, on the terms and subject to the conditions contained herein;
- 5. Section 134.5 of the Metropolitan Water District Act authorizes the Board to collect a service charge from member agencies or, as an alternative, to collect a service charge as a standby charge against individual parcels within the district;
- 6. Metropolitan first established the Standby Charge in 1992, pursuant to the procedures authorized by Section 134.5 of the Metropolitan Water District Act and the Uniform Standby Charge Procedures Act ("USCPA"), Sections 54984-54984.9, inclusive, of the Government Code;
- 7. The Standby Charge has not exceeded the rates set in fiscal year 1993/94, and in fiscal year 1995/96 was reduced to \$0.00 for the member agencies electing not to have any portion of their RTS Charge obligation collected through the Standby Charge;
- 8. The Standby Charge is not subject to the procedures set forth in Article XIII D, Section 4 of the California Constitution effective July 1, 1997 (Proposition 218), as the Standby Charge has not exceeded the rates set in fiscal year 1993/94, has not exceeded the amount of the Standby Charge existing in fiscal year 1996/97 when Proposition 218 became effective, and the proceeds of the Standby Charge are used for purposes specified in Section 5 of Article XIII D; and
- 9. The particular charge, per acre or per parcel, applicable to land within each member agency, the method of its calculation, and the specific data used in its determination are as specified in the Engineer's Report dated April 2023, supporting the RTS Charge and Standby Charge option (the "Engineer's Report"), which is attached hereto and on file with the Board Executive Secretary of Metropolitan; and
- 10. Written notice of the intention of Metropolitan's Board to consider and take action at its regular meeting of May 9, 2023, to continue the Standby Charge for fiscal year 2023/24 was given to each of

Metropolitan's member agencies.

NOW THEREFORE, the Board of Directors of The Metropolitan Water District of Southern California does hereby resolve, determine and order as follows:

Section 1. That the Board of Directors of Metropolitan, pursuant to the Engineer's Report, finds that lands within Metropolitan are benefited as described in such report and on that basis, hereby continues its Standby Charge for fiscal year 2023/24 on lands within requesting member agencies of Metropolitan to which water is made available for any purpose, whether water is actually used or not, as specified in the Engineer's Report.

Section 2. That the rates of such Standby Charge, per acre of land, or per parcel of land less than an acre, as shown in the Engineer's Report, may vary by member agency, and shall not exceed the amount of the fiscal year 1996/97 Standby Charge for the member agency. The Standby Charge applicable to each electing member agency, the method of its calculation, and the specific data used in its determination are as specified in the Engineer's Report which was prepared by a registered professional engineer certified by the state of California, which methodology is in accordance with Section 134.5 of the Metropolitan Water District Act and reflects the range of costs provided in Metropolitan's Fiscal Years 2022/23 and 2023/24 Cost of Service Report for Proposed Rates and Charges.

Section 3. That the Standby Charge, per acre of land, or per parcel of land less than an acre, applicable to land within each electing member agency as allocated in the Engineer's Report shall be as follows for fiscal year 2023/24:

2023/24 Water Standby Charge

Member Agency	Amount
Anaheim	\$8.55
Beverly Hills	
Burbank	14.20
Calleguas MWD	9.58
Central Basin MWD	10.44
Inland Empire Utilities Agency	7.59
Coastal MWD*	11.60
Compton	1.65
Eastern MWD	6.94
Foothill MWD	10.28
Fullerton	10.71
Glendale	12.23
Las Virgenes MWD	8.03
Long Beach	12.16
Los Angeles	
MWD of Orange Co.**	10.09
Pasadena	11.73
San Diego CWA	11.51
San Fernando	0.00
San Marino	8.24
Santa Ana	7.88
Santa Monica	
Three Valleys MWD	12.21
Torrance	12.23
Upper San Gabriel Valley MWD	9.27
West Basin MWD	
Western MWD of Riverside Co.	9.23

Applicable to parcels included within territory of former Coastal MWD.

Exclusive of parcels included within territory of former Coastal MWD.

Section 4. That the Standby Charge shall continue to be collected on the tax rolls, together with the *ad valorem* property taxes that are levied by Metropolitan for the payment of pre-1978 voter approved indebtedness. The amounts of the Standby Charge are continued at amounts that are not estimated to exceed a member agency's RTS Charge obligation. However, any amounts 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. Any member agency requesting to have all or a portion of its RTS Charge obligation collected through the Standby Charge levies within its territory as provided herein shall pay any portion not collected through net Standby Charge collections to Metropolitan within fifty (50) days after Metropolitan issues an invoice for the remaining RTS Charge obligations for such member agency, as provided in Administrative Code Section 4507.

Section 5. That the following exemption procedures apply:

- (a) It is the intent of the Board that the following lands shall be exempt from the Standby Charge: (1) lands owned by the Government of the United States, the state of California, or by any political subdivision thereof or any entity of local government; (2) 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; (3) lands not included in (1) or (2) above, which 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; and (4) lands within any member public agency, subagency, or city if the governing body of such public entity elects and commits to pay out of funds available for that purpose, in installments at the time and in the amounts established by Metropolitan, the entire amount of the Standby Charge which would otherwise be collected from lands within those public entities. However, no exemption from the Standby Charge shall reduce the applicable member agency's RTS Charge obligation. The General Manager may develop and implement additional criteria and guidelines for exemptions in order to effectuate the intent expressed herein.
- (b) The General Manager shall establish and make available to interested applicants procedures for filing and consideration of applications for exemption from the Standby Charge pursuant to subsections (2) and (3) of Section 5(a) above. All applications for such exemption and documents supporting such claims must be received by Metropolitan in writing on or before December 31, 2023. The General Manager is further directed to review any such applications for exemption submitted in a timely manner to determine whether the lands to which they pertain are eligible for such exemption and to allow or disallow such applications based upon those guidelines. The General Manager shall also establish reasonable procedures for the filing and timing of the appeals from his determination. The procedures will be on file and available for review by interested parties at Metropolitan's headquarters.
- (c) The Finance, Audit, Insurance, and Real Property Committee of Metropolitan's Board of Directors shall hear appeals from determinations by the General Manager to deny or qualify an application for exemption from the Standby Charge. The Finance, Audit, Insurance, and Real Property Committee shall consider such appeals and make recommendations to the Board to affirm or reverse the General Manager's determinations. The Board shall act upon such recommendations and its decision as to such appeals shall be final.
- **Section 6.** That no exemption from the Standby Charge shall reduce the applicable member agency's RTS Charge obligation, nor shall any failure to collect, or any delay in collecting, any Standby Charge excuse or delay payment of any portion of the RTS Charge when due.
- **Section 7.** That the RTS Charge is collected by Metropolitan as a rate, fee or charge from 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 collection of the RTS Charge. In the event that the Standby Charge, any portion thereof, or the collection of the Standby Charge, 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 the continuation of the Metropolitan Standby Charge as a means of collecting its RTS Charge obligation shall pay such RTS Charge obligation in full, as if such Standby Charge had never been sought.

Section 8. That the General Manager is hereby authorized and directed to take all necessary action to secure the collection of the Standby Charge by the appropriate county officials, including payment of the reasonable cost of collection.

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.

Section 10. 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.

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 May 9, 2023.

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, 2024,

INCLUDING LOCAL OPTION TO CONTINUE COLLECTING A STANDBY CHARGE, DURING FISCAL YEAR 2023/24

April 2023

BACKGROUND

The Metropolitan Water District of Southern California is a public agency with a primary purpose to provide imported 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 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 2023/24. **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 2023 was adopted by Metropolitan's Board on April 12, 2022 and the RTS Charge for 2024 will be considered by the Board on April 11, 2023. The Board will consider the continuation of the Standby Charge for fiscal year 2023/24 on May 9, 2023.

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 2023/24 is \$160.5 million, of which \$44.0 million is estimated to be collected via the Standby Charge. 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 least-cost 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 total 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. Today, system flexibility continues to be essential to the availability of Metropolitan's services. 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, that at least 50 percent of the blend be SWP water. (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

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 reliability.

¹ 2007 Integrated Area Study, Report No. 1317, pg. 2-10.

² 2023 Annual Operating Plan, pg. 5-15

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.

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 132-19 dated December 2022 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.

Figure 1. Facilities of the State Water Project



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 preconstruction 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 2022/23 and 2023/24 includes Metropolitan's planned contribution of \$99.0 million for DWR's planning costs of a new Delta conveyance project.

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 2023/24 is \$92.6 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 \$44.0 million of the total \$352.9 million system costs, representing 12% 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 2023/24 is \$77.0 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 \$44.0 million of the total \$352.9 million system costs, representing 12% of the total system costs.

Victorville

Victorville

Victorville

Narius Corps
Twentynine
Palms

Twentynine
Pal

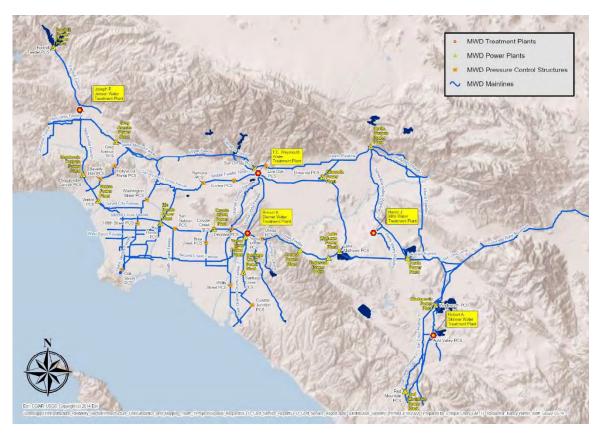
Figure 2. Colorado River Aqueduct

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 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 2023/24 estimated conveyance and distribution system benefits. The capital cost of the Distribution System in fiscal year 2023/24 is \$80.1 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 \$44.0 million of the total \$352.9 million system costs, representing 12% 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 2023/24 is \$103.2 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 \$44.0 million of the total \$352.9 million system costs, representing 12% 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 2023/24 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 12% of those costs. For fiscal year 2023/24, the amount to be recovered by the RTS Charge is estimated to be \$160.5 million and of that only \$44.0 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. 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 2021/22, such parcels being subject to the Standby Charge upon annexation.

The estimated costs of Metropolitan's wholesale water system, which could be paid by a Standby Charge, are approximately \$352.9 million for fiscal year 2023/24, as shown in Table 1. An average total Standby Charge of about \$71.36 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 \$44.0 million for fiscal year 2023/24. 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

\$1.65 to \$15 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 2024, 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 2023/24 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 \$309 million. A preliminary listing of all parcels subject to the proposed 2023/24 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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Water Resource Management

Brad Coffe

PROFESSIONAL SERVICE M. CO. SERVICE

Prepared Under the Supervision of:

Katano Kasaine

Kareno Kernin'

Assistant General Manager/ Chief Financial Officer

TABLE 1

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

	Estimated Program Costs for FY2023/24		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)	\$	92.638.623	\$21.40
Non Tax Supported Capital Costs for Non-SWP Conveyance System ¹	\$	76,958,748	\$17.78
Non Tax Supported Capital Costs for Distribution System ²	\$	80,127,382	\$18.51
Non Tax Supported Capital Costs for Water Storage ³	\$	103,219,347	\$23.84
Total Capital Payments	\$	352,944,100	\$81.52
Estimated Standby Charge Revenues	\$	43,984,259	\$10.16
Percent Collected by Standby Charge		12%	
Total Remaining Costs Not Paid by Standby Charge	\$	308,959,841	\$71.36

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

FISCAL YEAR 2023/24
Project Name Payment

Water Recycling Projects

\$7,337,544

Alamitos Barrier Reclaimed Water Project

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

Development of Non-Domestic Water System in Ladera Ranch and Talega Valley

Direct Reuse Project Phase IIA

Dry Weather Runoff Reclamation Facility

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

EMWD Recycled Water System Expansion Project

Escondido Regional Reclaimed Water Project

Griffith Park South Water Recycling Project

Groundwater Reliability Improvement Program Recycled Water Project

Hansen Area Water Recycling Phase I Project

Hansen Dam Golf Course Water Recycling Project

Harbor Water Recycling 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 City Water Reclamation Project

North Hollywood Area Water Recycling Project

Otay Recycled Water System

Oxnard Advanced Water Purification Facility Project

Padre Dam MWD Reclaimed Water System Phase I

Rowland Water District Portion of the City of Industry Regional Recycled Water Project

San Clemente Recycled Water System Expansion Project

San Elijo Water Reclamation System

Santa Maria Water Reclamation Project

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

TABLE 2 (Continued)

WATER RECYCLING, GROUNDWATER RECOVERY AND CONSERVATION PROJECTS

FISCAL YEAR 2023/24

Project Name

Payment

Water Recycling Projects (continued)

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

\$11,348,173

Beverly Hills Desalter Project

Cal Poly Pomona Water Treatment Plant

Capistrano Beach Desalter Project

Chino Basin Desalination Program / IEUA

Chino Basin Desalination Program / Western

Colored Water Treatment Facility Project

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

San Juan Basin Desalter Project

Santa Monica Sustainable Water Supply Project

Temescal Basin Desalting Facility Project

On-site Retrofit Program \$3,000,000

Future Supply Actions \$2,422,500

Total Demand Management Programs

\$49,108,217

TABLE 2 (Continued)

WATER RECYCLING, GROUNDWATER RECOVERY AND CONSERVATION PROJECTS

Project Name Payment Conservation Projects \$25,000,000 Regionwide Residential Regionwide Commercial Member Agency Administered/MWD Funded Water Savings Incentive Program Landscape Training Classes Landscape Irrigation Surveys Pilot Programs/Studies Inspections Landscape Transformation Program (Turf Replacement) Disadvantaged Communities Program

Description

Storage Facilites

ALAMEDA CORRIDOR, PIPELINE RELOCATION, PROTECTION
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)
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 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)
DAM MONITORING SYSTEM UPGRADES - Lake Mathews

DAM MONITORING SYSTEM UPGRADES - LAKE SKINNER

DAM SEISMIC ASSESSMENT - PHASE 3 DAM SEISMIC UPGRADES - PHASE 3

DIAMOND VALLEY LAKE DAM MONITORING SYSTEM UPGRADE
DIAMOND VALLEY LAKE DAM MONITORING SYSTEM UPGRADES - STAGE 3
DIAMOND VALLEY LAKE DAM MONITORING SYSTEM UPGRADES - STAGES 1 & 2

DIAMOND VALLEY LAKE INLET/OUTLET TOWER FISH SCREEN REPLACEMENT - CONSTRUCTION DIAMOND VALLEY LAKE MONITORYING SYSTEM UPGRADES

DIAMOND VALLEY LAKE, KOAL PLAZA CHARGES 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, INUNDATION MAPS
UMAMOND VALLEY LAKE, UNDERGROUND TANK CLOSURE
DIAMOND VALLEY RECREATION, EAST MARINA
DIAMOND VALLEY RECREATION, ISHERY
DIAMOND VALLEY RECREATION, MUSEUM FOUNDATION REHABILITATION
DIAMOND VALLEY RECREATION, SEARL PARKWAY IMPROVEMENTS, PHASE I
DIAMOND VALLEY TRAILS PROGRAM, TRAIL
DISTRICT DESIGN AND INSPECTION - MORRIS DAM
DISTRICT DESIGN AND INSPECTION - MORRIS DAM
DISTRICT RESERV. AQUEOUS AMMONIA FEED SYSTEM
DISTRICT RESERV. AQUEOUS AMMONIA FEED SYSTEM

DISTRICT RESERVOIR - LONGTERM CHEMICAL FAC CONTAINMENT DOMESTIC WATER SUPPLY - LAKE MATHEWS (ORG CONST) DOMESTIC WATER SYSTEM-PALOS VERDES RESERVOIR (INTERIM CONST)

DVL - SEARL PARKWAY EXTENSION - PHASE 2 DVL - SEARL PARKWAY LANDSCAPING DVL EAST DAM ELECTRICAL UPGRADES

DVL EAST DAM POWER LINE REALIGNMENT DVL INLET/OUTLET FISH SCREEN REHABILITATION

DVI_RECREATION - ALTERNATE ACCESS ROAD

DVL RECREATION, COMMUNITY PARK AND REGIONAL AQUATIC FACILITY 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
DVL, EAST DAM

DVL, EAST DAM EMBANKMENT DVL, EAST DAM FENCING

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, EXCAVATION
DVL, FIXED CONE, SPHERE
DVL, GENERAL
DVL, GENERAL
DVL, GRADING OF CONT
DVL, INSTALL NEW WATERLINE
DVL, MISC SMALL CONS
DVL, NORTH HIGH WATER ROAD
DVL, P-1 PUMPING FAGILITY
DVL, PROCUREMENT

DVL, FROCOREMENT 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 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 17, FIELD OFFICE
DVL, WORK PACKAGE 18, TEMPORARY VISITOR CENTER
DVL, WORK PACKAGE 18, TEMPORARY VISITOR CENTER
DVL, WORK PACKAGE 18, TEMPORARY VISITOR CENTER
DVL, WORK PACKAGE 19, DEPMANAIENT 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

Description

Storage Facilites
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 39, SADDLE DAM TOUNDATION

DVL, WORK PACKAGE 4, NEWPORT ROAD RELOCATION

DVL, WORK PACKAGE 40

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

DVI 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 53, AM COALITY, NUSE
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, WORK PACKAGE 9, SADDLE DAM
DVL, WORKING INVENTORY, 80,000 ACRE FEET (10% OF CAPACITY)

EAST DAM TUNNELS

EAST MARINA BOAT RAMP EXTENSION ELECTRICAL SERVICE - LAKE MATHEWS (ORG CONST)

ELECTRICAL SYSTEM - LAKE MATHEWS (ORG CONST)
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 FEDER- LIVE OAK RESERVOIR- RESIDENCE
GARVEY RESERVIOR OPERATION & MAINTENANCE CENTER
GARVEY RESERVIOR OPERATION & MAINTENANCE CENTER
GARVEY RESERVOIR OPERATION & MAINTENANCE CENTER (RETIREMENT)
GARVEY RESERVOIR - JUNCTION STRUCTURE, REPLACE VALVE # 1
GARVEY RESERVOIR COVER AND LINER REPLACEMENT PROJECT

GARVEY RESERVOIR DRAINAGE & EROSION CONTROL IMPROVEMENTS
GARVEY RESERVOIR - EMERGENCY GENERATOR
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

SARVEY RESERVOIR REPAIR

GARVEY RESERVOIR REPAIR
GARVEY RESERVOIR, LOWER ACCESS ROAD, PAVING & DRAINS
GARVEY RESERVOIR, REPLACE VALVE # 4 & 5
GARVEY RESERVOIR, TWO VALVES AT JUNCTION STRUCTURE
GARVEY RESERVOIR: TWO COTTAGES WITH GARAGES
GARVEY RESERVOIR: TWO COTTAGES WITH GARAGES

GARVEY RESERVOIR-HYPOCHLORINATION
GARVEY RESERVOIR-HYPOCHLORINE STATION
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 HEADWORKS OF DISTRIBUTION SYSTEM LAKE MATHEWS

HEADWORKS: ADDITIONAL VALVES
HEADWORKS: MOTOR OPERATED SLIDE GATES

HOUSE AND CARAGE 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 JENSEN FINISHED WATER RESERVOIR NO. 1 COVER REHABILITATION

JENSEN FINISHED WATER RESERVOIR NO. 2 FLOATING COVER IMPROVEMENT JENSEN FLUORIDE TANK REPLACEMENT JENSEN FWR # 2 FLOATING COVER REPLACEMENT

JENSEN FWR NO. 2 FLOATING COVER REPLACEMENT JENSEN, REPAIR COVER OVER RESERVOIR 1

AKE MATHEWS - REPLACE STANDBY GENERATOR

AKE MATHEWS - ELECTRICAL SYSTEM IMPROVEMENT

Description

Storage Facilites

AKE MATHEWS ABOVEGROUND STORAGE TANK REPLACEMENT

AKE MATHEWS BUILDING
AKE MATHEWS BUILDING S & 15, RENOVATION OF ASSEMBLY AREA AND ADMIN. BLDG.

AKE MATHEWS- CARPENTER AND VEHICLE MAINTENANCE BUILDING
AKE MATHEWS- CHLORINATION FACILITIES
AKE MATHEWS CHLORINATION FACILITY- REPLACE CHLORINATION EQPMT.

AKE MATHEWS ONTRL TOWER-REPL. 45 30-INCH GATE/BUTTERFLY VALVES AKE MATHEWS CONTROL TOWER - REPLACE 45 10-INCH GATE VALVE LAKE MATHEWS DAM SAFETY INSTRUMENTATION UPGRADES

AKE MATHEWS DAM SPILLWAY ASSESSMENT AKE MATHEWS DIKE

AKE MATHEWS DISCHARGE FACILITY UPGRADES

AKE MATHEWS DIVERSION TUNNEL
AKE 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- EMERGENCY GENERATOR

LAKE MATHEWS EMLARGEMENT (SPEC NO. 505)

LAKE MATHEWS EMLARGEMENT (SPEC NO. 505)

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 PRESURE 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-INSTALL AIR MTRS,3 HOWELL BNGR VALVE OP. LAKE MATHEWS-HOUSE AND GARAGE LAKE MATHEWS I/O TOWER EMERGENCY GENERATOR

AARE MATHEWS-IMPROVE MAIN SUBSTATION

AKE MATHEWS-IMPROVE MAIN SUBSTATION

AKE MATHEWS-IMPROVEMENT OF DOMESTIC WATER & FIRE PROT. SYSTEM

AKE MATHEWS-LUMBER STORAGE BUILDING

AKE MATHEWS -LUMBER STORAGE BUILDING - INTEREST AKE MATHEWS LUMBER STORAGE ROOF COVER

LAKE MATHEWS MAIN DAM AND SPILLWAY
LAKE MATHEWS MAIN DAM SUB DRAIN SYSTEM
LAKE MATHEWS MAINTENANCE BUILDING

LAKE MATHEWS MAINTENANCE BUILDING
LAKE MATHEWS MAINTENACLITIES-REPLACE 75 KVA TRANSFORMER.SERV.
LAKE MATHEWS MAINTH, FACILITIES-REPLACE 75 KVA TRANSFORMER.SERV.
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 OFFICE TRAILER MODIFICATIONS-MERICANS W/ DISABILITY

LARE MATHEWS OUTLET TOWER
LAKE MATHEWS OUTLET TOWER
LAKE MATHEWS OUTLET TOWER
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)

ARE MATHEWS OUTLET TUNNEL

AKE MATHEWS-PREFABRICATED AIRCRAFT HANGER

AKE MATHEWS-PREFABRICATED AIRCRAFT HANGER - INTEREST

AKE MATHEWS- PROPANE STORAGE TANK
AKE MATHEWS- PROPANE STORAGE TANK - INTEREST

AAKE MATHEWS- REPLACE HOWELL-BUNGER VALVE OPERATORS

AKE MATHEWS- REPLACE VALVES

AKE MATHEWS RESERVOIR-RELOCATE SOUTHERLY SECURITY FENCE

LAKE MATHEWS RESERVOIR-RELOCATE SOUTHERLY SECURITY FENCE - INTEREST LAKE MATHEWS-SEEPAGE ALARMS LAKE MATHEWS-SEEPAGE ALARMS - INTEREST

AKE MATHEWS SODIUM HYPOCHLORITE TANK REPLACEMENT AKE MATHEWS SODIUM HYPOCLORITE INJECTION SYSTEM LAKE MATHEWS-SPRAY PAINT BOOTH

AKE MATHEWS WASTEWATER SYSTEM REPLACEMENT
AKE MATHEWS WATERSHED, DRAINAGE

AKE MATHEWS WATERSHED, DRAINAGE WATER QUALITY MGMT PLAN (CAJALCO CREEK DAM)

AKE MATHEWS, HAZEL ROAD

AKE MATHEWS, REPLACE CHLORINATION EQUIPMENT

.AKE MATHEWS,DIKE #1- INSTALL PIEZOMETERS, STAS,55+00 & 85+50 .AKE MATHEWS: VALVES AND FITTINGS IN HEADWORKS .AKE MATHEWS-CONST. CONCR.TRAFFIC BARR. WALL TO PROTECT HQ FACIL.

AKE MATTHEWS FIRE WATER LINE
AKE PERRIS POLLUTION PREVENTION AND SOURCE WATER PROTECTION (CAPITAL PORTION)

AKE SKINNER - AERATION SYSTEM

LAKE SKINNER - AERA IION SYSI EM 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)- CLAIM LAKE SKINNER (AULD VALLEY RESERVOIR)- CLAIM LAKE SKINNER AERATOR AIR COMPRESSORS REPLACEMENT

AKE SKINNER-EQUIPMENT YARD SECURITY

AKE SKINNER-EQUIPMENT YARD SECURITY - INTEREST

AKE SKINNER FACILITIES

LAKE SKINNER FACILITIES

LAKE SKINNER FACILITIES - EMPLOYEE HOUSING

LAKE SKINNER FACILITIES - FENCING

LAKE SKINNER FACILITIES - TENDSCAPING

LAKE SKINNER FACILITIES - RELOCATE BENTON ROAD

LAKE SKINNER FACILITIES - RELOCATE BENTON ROAD

LAKE SKINNER OUTLET CONDUIT REPAIR

LAKE SKINNER OUTLET TOWER SEISMIC ASSESSMENT

LAKE SKINNER-PROPANE STORAGE TANK - INTEREST

LAKE SKINNER-PROPANE STORAGE TANK - INTEREST

LAKE SKINNER-PROPANE STORAGE TANK - INTEREST

LIVE OAK RESERVOIR & RESERVOIR BYPASS SCHEDULE 264A LIVE OAK RESERVOIR REHABILITATION

Description

Storage Facilites

UNE OAK RESERVOIR SURFACE REPAIR
MAINTENANCE FACILITIES, 75KVA TRANSFORMER SERVICE-LAKE MATHEWS (ORG CONST)
MILLS FINISHED WATER RESERVOIR REHABILITATION

MILLS FINISHED WATER RESERVOIR REHABILITATION
MINOR CAPITAL PROJECTS FOR FY 1989/90 - LAKE MATHEWS
MINOR CAPITAL PROJECTS FOR FY 1989/90 - PALOS VERDES RESERVOIR
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

MORRIS RESERVOIR- IN LEREST OBLIGATION PAID
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 CHLORINATION STATION
ORANGE COUNTY RESERVOIR- EMBANKMENT AND SPILLWAY

DRANGE COUNTY RESERVOIR-EMERGENCY GENERATOR DRANGE COUNTY RESERVOIR-FLOATING COVER DRANGE COUNTY RESERVOIR-HOUSE

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
PALOS VERDES CHLORINATION STATION AND COTTAGE
PALOS VERDES RESERVOIR

PALOS VENDES RESERVOIR - INLET/OUTLET TOWER
PALOS VERDES RESERVOIR - BY PASS PIPELINES
PALOS VERDES RESERVOIR COVER AND LINER REPLACEMENT

PALOS VERDES RESERVOIR COVER AND LINER REPLACEMENT
PALOS VERDES RESERVOIR COVER REPLACEMENT
PALOS VERDES RESERVOIR-FENCING AROUND
PALOS VERDES RESERVOIR-REPLACE DOMESTIC WATER SYSTEM PIPING
PALOS VERDES RESERVOIR SODIUM HYPOCHLORITE FEED SYSTEM UPGRADE
PALOS VERDES RESERVOIR BYPASS PIPELINE RELIEF STRUCTURE MODIFN.
PALOS VERDES RESERVOIR BYPASS PIPELINE RELIEF STRUCTURE MODIFN.

PALOS VERDES RESERVOIR, COVERING
PALOS VERDES RESERVOIR, COVERING
PALOS VERDES RESERVOIR, REPLACE ACCESS AND PERIMETER ROADS
PALOS VERDES RESERVOIR: INCREASING ELEVATION OF SPILLWAY CREST

PALOS VERDES RESERVOIR-INCREASING ELEVATION OF SPILLWAY CREST
PALOS VERDES RESERVOIR-INSTALL VALUE & CHLORINATION NOZZLE,INL,TWR
PALOS VERDES RESERVOIR-REPLACE CHLORINATION SYSTEM
PAMO RESERVOIR- WATER STORAGE FEASIBILITY STUDY
PAMO RESERVOIR- WATER STORAGE FEASIBILITY STUDY-INTEREST
PV PESERVOIR GROUNDWATER MANAGEMENT

PVR FACILITY SEWER CONNECTION RECORD DRAWING RESTORATION PROGRAM, CRA REPAIRS TO AZUSA CONDUIT

REPLACEMENT OF A 30 INCH GATE VALVE P.V.R. RESIDENCE # 95-D, ORANGE COUNTY RESERVOIR RESIDENCE 45-D - CORONA DEL MAR RESERVOIR

RESIDENCE 40-D - CONONIO DEL MIANTESERVOIR RESIDENCE 80-D - ORANGE COUNTY RESERVOIR 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 SECOND OUTLET, PALOS VERDES RESERVOIR (SPEC NO. 597)

SEEPAGE CONTROL AT LAKE MATHEWS
SKINNER DAM SAFETY INSTRUMENTATION UPGRADES
SKINNER DAM SPILLWAY ASSESSMENT

SAININER DAM SPILLIVAT ASSESSMENT SKINNER FINISHED WATER RESERVOIR SLIDE GATES REHABILITATION TEMPORARY EMPLOYEE LABOR SETTLEMENT VALVE - GENE RESERVOIR (REPLACED 201)

VALVE STRUCTURE MODIFICATIONS-UPPER FDR, SAN GABRIEL CROSSING (INTERIM CONST)
WADSWORTH PUMP PLANT CONDUIT PROTECTION

WADSWORTH PUMP PLANT, PUMP MOTOR CONVERSION

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

Sub-total Storage facilities costs

103,219,347

CRA - EAGLE MOUNTAIN SAND TRAPS INFLOW STUDY

TABLE 3 CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description Conveyance and Aqueduct Facilites 2.4 KV STANDBY DIESEL ENGINE GENERATOR REPLACEMENT - GENE 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 ACCESS STRUCTURE, TRANSITION STRUCTURE AND MANHOLE COVER REPLACEMENT ALL PUMPING PLANTS - 230 KV & 69 KV DISCONNECTS REPLACEMENT ALL PUMPING PLANTS - BRIDGE CRANES ALL PUMPING PLANTS - SRIAGE CHAINES
ALL PUMPING PLANTS - TRANSFORMER BANK BRIDGE
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
ARROWHEAD EAST TUNNEL CONSTRUCTION ARROWHEAD TOS REDUCTION ARROWHEAD TUNNELS CLAIMS COST ARROWHEAD TUNNELS CONNECTOR ROAD ARROWHEAD TUNNELS CONSTRUCTION ARROWHEAD TUNNELS ENGINEERING ARROWHEAD TUNNELS RE-DESIGN ARROWHEAD I UNNELS RE-DESIGN
ARROWHEAD I UNNEL CONSTRUCTION
AULD VALLEY CONTROL STRUCTURE AREA FACILITIES UPGRADE STUDY
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 BLACK METAL MOUNTAIN - COMMUNICATIONS FACILITY UPGRADE BLACK METAL MOUNTAIN 2.4kV ELECTRICAL POWER UPGRADE BOX SPRINGS FEEDER REHAB PHASE III BUDGET ADJUSTMENT CABAZON RADIAL GATE FACILITY IMPROVEMENTS
CAJALCO CREEK MITIGATION FLOWS
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 CORP - 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 - 230 KV 975 LEM STNCHRONIZERS

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. CEPSRP. ALL PUMPING PLANTS - IKON MUUNTAIN - 230KV BREAKER 3WITCH, 11931.
COLORADO RIVER AQUEDUCT - PUMPING
COLORADO RIVER AQUEDUCT - SIPHONS AND RESERVOIR OUTLETS REFURBISHMENT
COLORADO RIVER AQUEDUCT - SIPHONS AND RESERVOIR OUTLETS REFURBISHMENT
COLORADO RIVER AQUEDUCT CONVEYANCE RELIABILITY, PHASE II REPAIRS AND INSTRUMENTATION
CONTROL SYSTEM DRAWING UPGRADE STUDY (PHASE 1) - STUDY
COPPER BASIN AND GENE DAM OUTLET WORKS REHABILITATION (STUDY & DESIGN)
COPPER BASIN AND GENE WASH RESERVOIRS DISCHARGE VALVE REHABILITATION COPPER BASIN INTERIM CHLORINATION SYSTEM COPPER BASIN OUTLET GATES RELIABILITY 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 PROJECT
COPPER BASIN RESERVOIRS DISCHARGE VALVE REHABILITATION & METER REPLACEMENT
COPPER SULFATE STORAGE AT LAKE SKINNER AND LAKE MATHEWS CORROSION CONTROL OZONE MATERIAL TEST FACILITY
COST OF LAND AND RIGHT OF WAY
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 - BLOW-OFF VALVES PHASE 4
CRA - CIRCULATING WATER SYSTEM STRAINER REPLACEMENT
CRA - CROULATING 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

Description

Conveyance and Aqueduct Facilites

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 - 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 - POWERING 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

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 24 KV STANDBY DIESEL ENGINE GENERATORS REPLACEMENT

CRA 230 KV 869 KV DISCONNECTS SWITCH REPLACEMENT

CRA 230 KV SYSTEM INTER-AGENCY OPERABILITY UPGRADES

CRA 230 KV TRANSMISSION SYSTEM REGULATORY AND OPERATIONAL FLEXIBILITY UPGRADES

CRA 230KV & 69KV PROTECTION PANEL LIPGRADE

GRA 230KV TRANSMISSION SYSTEM REGULATORY COMPLIANCE AND OPERATIONAL FLEXIBILITY UPGRADES CRA 6.9 KV LEAD JACKETED CABLES

CRA 6,9 KV LEAD JACKETED CABLES
CRA 6,9 KV POWER CABLES REPLACEMENT
CRA 6,9 KV POWER CABLES REPLACEMENT
CRA 6,9 KV PANEL UPGRADE
CRA ACCESS STRUCTURE, TRANSITION STRUCTURE AND MANHOLE COVERS REPLACEMENT
CRA ALL PUMPING PLANTS - FLOW METER UPGRADES
CRA AND IRON MOUNTAIN RESERVOIR PANEL REPLACEMENT
CRA AQUEDUCT BLOCKER GATE REPLACEMENT
CRA AQUEDUCT ISOLATION GATES REPLACEMENT
CRA AQUEDUCT ISOLATION GATES REPLACEMENT
CRA AQUEDUCT MOWNERS SYSTEM REHABILITATION/UPGRADES FOR FOUR PUMPING PLANTS
CRA BLOK METAL COMMINICATION SITE ILLIGERADE

CRA BLACK METAL COMMUNICATION SITE II UPGRADE CRA CANAL CRACK REHAB AND EVALUATION CRA CANAL CRACK REHABILITATION

CRA CANAL IMPROVEMENTS
CRA CIRCULATING WATER SYSTEM STRAINER REPLACEMENT
CRA CONDUIT FORMAT WASH EROSION REPAIRS

CRA CONDUIT STRUCTRUAL PROTECTION
CRA CONVEYANCE RELIABILITY PROGRAM (CCRP) - BLOW-OFF REPAIR
CRA CONVEYANCE RELIABILITY PROGRAM PART 1 & PART 2

CRA COPPER BASIN AND GENE WASH DAM SLUICEWAYS CRA COPPER BASIN OUTLET GATES RELIABILITY STUDY

CRA DELIVERY LINE REHABILITATION

CRA DESERT AIRFIELDS IMPROVEMENT
CRA DESERT REGION SECURITY IMPROVEMENTS

CRA DISCHARGE CONTAINMENT PROGRAM - CONTINGENCY
CRA DISCHARGE CONTAINMENT PROGRAM - GENE & IRON DRAIN SYSTEMS
CRA DISCHARGE CONTAINMENT PROGRAM - INVESTIGATION

CRA DISCHARGE CONTAINMENT PROGRAM - INVESTIGATION
CRA DISCHARGE CONTAINMENT PROGRAM - OIL & CHEMICAL UNLOADING PAD CONTAINMENT
CRA ELECTRICAL / POWER SYSTEM RELIABILITY PROGRAM (CEPSRP)
CRA ENERGY EFFICIENCY IMPROVEMENTS
CRA GENE PUMPING PLANT HEAVY EQUIPMENT SERVICE PIT
CRA GENE STORAGE WAREHOUSE REPLACEMENT

CRA HINDS PUMPING PLANT: WASH AREA UPGRADE
CRA HINDS PUMPING PLANT: WASH AREA UPGRADE
CRA INTAKE PPLANT: POWER & COMMUNICATION LINE REPLACEMENT
CRA IRON GARAGE HEAVY EQUIPMENT SERVICE PIT REPLACEMENT

CRA IRON HOUSING REPLACEMENT
CRA IRON MOUNTAIN SUCTION JOINT REFURBISHMENT PILOT
CRA MAIN PUMP & MOTOR REFURISHMENT

CRA MAIN PUMP AND MOTOR REFURISHMENT
CRA MAIN PUMP CONTROLS & INSTRUMENTATION
CRA MAIN PUMP DISCHARGE VALVE REFURBISHMENT

CRA MAIN PUMP MOTOR EXCITERS ASSESSMENT CRA MAIN PUMP MOTOR EXCITERS REHABILITATION

CRA MAIN PUMP REHABILITATION

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 PLANTS DISCHARGE LINE ISOLATION BULHEAD COUPLINGS

CRA MAIN PUMPING PLANTS LUBRICATION SYSTEM
CRA MAIN PUMPING PLANTS LUBRICATION SYSTEM
CRA MAIN PUMPING PLANTS SERVICE WATER & SAND REMOVAL SYSTEM
CRA MAIN TRANSFORMER REFURBISHMENT
CRA MAIN TRANSFORMER REPLACEMENT /REHABILITATION
CRA MAIN TRANSFORMER REPLACEMENT/REHABI.

CRA MILE 12 POWER LINE & FLOW MONITORING EQUIP. STUDY CRA OVER-CURRENT RELAY REPLACEMENT

GENE AIR CONDITION

GENE CAMP STATION SERVICE TRANSFORMER REPLACEMENT GENE PUMPING PLANT - AIR STRIP EXTENSION PROJECT GENE PUMPING PLANT - HEAVY EQUIPMENT SERVICE PIT

TABLE 3 CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description Conveyance and Aqueduct Facilites CRA PROTECTIVE SLABS CRA PUMP PLANT FLOW METER REPLACEMENT CRA PUMP PLANT FLOW METER UPGRADE 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 AND 480V SWITCH RACK REHABILITATION CRA PUMP PLANTS 2300KV & 480 V SWITCHRACK REHAB 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 - 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 PLAN I RELIABILITY PROGRAM - SUCTION AND DISCHARGE LINES-EXPANSION JOINT REPAIRS CRA PUMPING PLANT STORAGE BUILDINGS AT HINDS, EAGLE MOUNTAIN AND IRON MOUNTAIN CRA PUMPING PLANT WASTEWATER SYSTEM - GENE & IRON MTN. CRA PUMPING PLANT WASTEWATER SYSTEM - HITTAKE CRA PUMPING PLANT WASTEWATER SYSTEM - HITTAKE CRA PUMPING PLANT WASTEWATER SYSTEM REHABILITATION - ALL FIVE PUMPING PLANT PRELIMINARY DESIGN CRA PUMPING PLANT WAS TEWATER SYSTEM REPLACEMENT - GENEARON MTN FINAL DESIGN CRA PUMPING PLANT WASTEWATER SYSTEM REPLACEMENT - GENEARON MTN FINAL DESIGN CRA PUMPING PLANT WASTEWATER SYSTEM REPLACEMENT - HINDS & EAGLE MTN. CRA PUMPING PLANTS - AUXILIARY POWER SYSTEM REHABILITATE/UPGRADES CRA PUMPING PLANTS - 20KV & 69K DISCONNECT SWITCH REPLACEMENT CRA PUMPING PLANTS ASPHALT REPLACEMENT CRA PUMPING PLANTS CRANE IMPROVEMENTS 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 QUAGGA MUSSEL BARRIERS CRA RADIAL GATES AND SLIDE GATE REHABILITATION CRA RADIAL GATES REPLACEMENT 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 PHASE II - PUMPING PLANT SWITCH HOUSE FAULT CURRENT PROTECTION 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 AND IMPROVEMENTS 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 VILLAGES DOMESTIC WATER MAIN DISTRIBUTION REPLACEMENT STUDY CRA WATER DISTRIBUTION SYSTEM & VILLAGE ASPHALT REPLACEMENT - GENE & IRON MOUNTAIN CRA WATER DISTRIBUTION SYSTEM REPLACEMENT AND CRA ROADWAY ASPHALT REPLACEMENT - ALL PP CUF DECHLORINATION SYSTEM DAM SLUICEWAYS AND OUTLETS REHABILITATION DANBY TOWER FOOTER REPLACEMENT DANBY TOWERS FOUNDATION REHABILITATION DANBY TOWERS FOUNDATION REHABILITATION DESERT FACILITIES FIRE PROTECTION SYSTEMS UPGRADE DESERT LAND ACQUISITIONS DESERT FUMP FLANT OIL CONTAINMENT DESERT ROADWAY IMPROVEMENT DESERT SEPTIC SYSTEM DESERT SEWER SYSTEM REHABILITATION DESERT WATER TANK ACCESS - FIRE WATER, CIRCULATING WATER, DOMESTIC WATER-STUDY DISCHARGE LINE ISOLATION BULKHEAD COUPLINGS DISTRIBUTION SYSTEM FACILITIES - REHABILITATION PROGRAM DISTRIBUTION SYSTEM FACILITIES REHABILITATION PROGRAM - MAINTENANCE & STORAGE SHOP (PC-1) DISTRIBUTION SYSTEM FAULTHES REFABILITATION PROGR DISTRIBUTION SYSTEM RELIABILITY PROGRAM - PHASE 2 DVL INLET / OUTLET TOWER FISH SCREENS REPLACEMENT DVL TO SKINNER TRANSMISSION LINE STUDY E. THORNTON IBBETSON GUEST QUARTERS EAGLE AND HINDS EQUIPMENT WASH AREA UPGRADE EAGLE KITCHEN UPGRADE EAGLE KITCHEN UPGRADE EAGLE MOUNTAIN PUMPING PLANT SCADA SYSTEM EAGLE MOUNTAIN SAND TRAPS STUDY EAGLE MOUNTAIN SIPHONS SEISMIC VULNERABILITY STUDY EAGLE MTN SAND TRAPS STUDY EAGLE ROCK ASPHALT REPAIR PROJECT EAGLE ROCK MAIN ROOF REPLACEMENT ENHANCED VAPOR RECOVERY UPGRADES FOR GASOLINE DISPENSERS ENVIRONMENTAL MITIGATION ETIWANDA PIPELINE LINER REPAIR ETIWANDA RESERVOIR LINER REPAIR FUTURE SYSTEM RELIABILITY PROJECTS GARVEY RESERVOIR - AUTOMATED DATA ACQUISITION SYSTEM GARVEY RESEVOIR AUTOMATED DATA ACQUISITION SYSTEM REPLACEMENT GENE & INTAKE P.P. - FREQUENCY PROTECTION RELAY REPLACEMENT GENE & INTAKE PUMPING PLANT SURGE CHAMBER OUTLET GATES RE-COATING GENE & INTAKE PUMPING PLANTS - REPLACE UNDER FREQUENCY PROTECTION RELAY

Description Conveyance and Aqueduct Facilites GENE PUMPING PLANT - PEDDLER SUBSTATION REPLACEMENT GENE PUMPING PLANT - SCADA SYSTEM GENE PUMPING PLANT EXPANSION JOINT REHABILITATION GENE PUMPING PLANT MAIN TRANSFORMER AREA GENE PUMPING PLANT STANDBY GENERATOR REPLACEMENT GENE STORAGE BUILDING REPLACEMENT GENE STORAGE WAREHOUSE REPLACEMENT GENE WASH RESERVOIRS DISCHARGE VALVE REHABILITATION HEADGATE OPERATORS & CIRCUIT BREAKERS REHAB. HIGHLAND PIPELINE CONSTRUCTION
HINDS EAGLE & IRON MOUNTAINS STORAGE BUILDINGS
HINDS PUMPING PLANT DISCHARGE VALVE PIT PLATFORM REPLACEMENT HINDS PUMPING PLANT EQUIPMENT WASH AREA UPGRADES HINDS PUMPING PLANT SCADA SYSTEM HINDS PUMPING PLANT STANDBY GENERATOR REPLACEMENT HINDS PUMPING PLANT STANDBY GENERATOR REPLACEMENT INLAND FOR, ARROWHEAD TUNNELS REDESIGN INLAND FOR, ARROWHEAD WEST TUNNEL CONSTRUCTION INLAND FOR, CONTRACT 9, CONSTRUCTION OF RIVERSIDE PPLN SOUTH INLAND FOR, 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 CONTINGENCY 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 PROGRAM REMAINING BUDGET/CONTINGENCY
INLAND FEEDER PROJECT MANAGEMENT SUPPORT
INLAND FEEDER PURCHASE OF LAND AND RIGHT OF WAY
INLAND FEEDER PURCHASE OF LAND AND RIGHT OF WAY
INLAND FEEDER REVERSE 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 INI AND FEEDER STUDIES INLAND FEEDER UNDERGROUND STORAGE TANK REMOVAL & ABOVEGROUND STORAGE TANK INSTALLATION INLAND FEEDER, ARROWHEAD EAST TUNNEL INLAND FEEDER, ARROWHEAD EAST TUNNEL
INLAND FEEDER, ARROWHEAD TUNNELS CONSTRUCTION
INLAND FEEDER, CONTRACT #5, OPAL AVENUE PORTAL / BADLANDS TUNNEL
INLAND FEEDER, CONTRACT #7, RIVERSIDE NORTH PIPELINE CONSTRUCTION
INLAND FEEDER, PROGRAM MANAGEMENT
INLAND FEEDER/SBMWD HIGHLAND INTERTIE BYPASS LINE REHAB
INSULATION JOINT TEST STATIONS INSULATION JOINT TEST STATIONS
INTAKE POWER AND COMMUNICATION LINE RELOCATION
INTAKE POWER AND COMMUNICATIONS LINE RELOCATION
INTAKE PPLANT - POWER & COMMUNICATION LINE REPLACEMENT
INTAKE PUMPING PLANT - COOLING AND REJECT WATER DISCHARGE TO LAKE HAVASU
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 POWER & COMMUNICATION LINE REPLACEMENT INTAKE PUMPING PLANT SCADA SYSTEM INTAKE PUMPING PLANT STANDBY GENERATOR REPLACEMENT IRON MOUNTAIN & EAGLE MOUNTAIN 230KV TRANSMISSION LINE PILOT RELAY IRON MOUNTAIN AUXILIARY POWER SYSTEM REHABILITATION IRON MOUNTAIN GENERATOR REPLACEMENT IRON MOUNTAIN PUMPING PLANT
IRON MOUNTAIN PUMPING PLANT
IRON MOUNTAIN PUMPING PLANT DELIVERY LINE NO. 1 RELINING IRON MOUNTAIN PUMPING PLANT HOUSING REPLACEMENT IRON MOUNTAIN PUMPING PLANT SCADA SYSTEM IRON MOUNTAIN SERVICE PIT REHABILITATION IRON MOUNTAN & EAGLE MOUNTAIN 230kV TRANSMISSION LINE PILOT RELAY JULIAN HINDS PUMPING PLANT DELIVERY PIPE EXPANSION JOINT PHASE 2 REPAIRS JULIAN HINDS PUMPING PLANT DELIVERY PIPE EXPANSION JOINT PHASE I REPAIR LAKE MATHEWS FOREBAY & HEADWORK FACILITY & EQUIPMENT LAKE MATHEWS FOREBAY WALKWAY REPAIRS LAKE MATHEWS ICS LAKE MATHEWS INTERIM CHLORINATION SYSTEM
LAKE SKINNER - OUTLET CONDUIT FLOWMETER INSTALLATION
LAKE SKINNER BYPASS PIPELINE NO. 2 CATHODIC PROTECTION LAKE SKINNER OUTLET CONDUIT
LAKEVIEW PIPELINE LEAK REPAIR AT STA. 2510+49 LAVERNE FACILITIES - EMERGENCY GENERATOR LAVERNE FACILITIES - MATERIAL TESTING 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 MAPES LAND ACQUISTION
MENTONE PPLN, RUSD, DEFENSE OF CLAIM

MILE 12 FLOW AND CHLORINE MONITORING STATION UPGRADES MILE 12 POWER LINE & FLOW MONITORING EQUIPMENT STUDY MILLS PLANT SUPPLY PUMP STATION STUDY

MINOR CAP FY 2011/12

MOTOR BREAKER FAULTY (5 PPLANTS)

Description

Conveyance and Aqueduct Facilites 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 OLINDA POS FACILITY REHABILITATION AND UPGRADE OLINDA PRESSURE CONTROL STRUCTURE FACILITY REHABILITATION AND UPGRADE ORANGE COUNTY 44 SERVICE CONNECTIONS & EOC#2 METER ACCESS ROAD REPAIR ORANGE COUNTY 88 PUMP PLANT FIRE PROTECTION STUDY OWNER CONTROLLED INSURANCE PROGRAM PALO VERDE VALLEY LAND PURCHASE - 16,000 ACRES PALOS VERDES FEEDER REHABILITATION OF DOMINGUEZ CHANNEL PALOS VERDES RESERVOIR SPILLWAY MODIFICATION PROJECT MANAGEMENT SUPPORT PUDDINGSTONE RADIAL GATE REHABILITATION PURCHASE OF LAND AND RIGHT OF WAY QUAGGA MUSSEL STUDY R&R FOR CRA REPAIR UPPER FEEDER LEAKING EXPANDSION JOINT

REPAIR UPPER FEEDER LEARING EXPANUSION JUINI
REPAIRS TO TUNNELS
RIALTO FEEDER REPAIR @ STA. 3662+23
RIALTO FEEDER REPAIR OF ANOMALOUS PIPE SECTION
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 SAN DIEGO PIPELINE REPAIR AT STATION 1268+57 SAN FERNANDO TUNNEL STATION 778+80 VALVE REPLACEMENT SAN GABRIEL TOWER SEISMIC ASSESSMENT

SAN GABRIEL TOWER SCIONIC ASSESSMENT SAN GABRIEL TOWER SLIDE GATE REHABILITATION SAN JACINTO TUNNEL EAST ADIT REHABILITATION SAN JACINTO TUNNEL, WEST PORTAL SAN JOAQUIN RESERVOIR - NEW DESIGN SAN JOAQUIN RESERVOIR IMPROVEMENT- FLOATING COVER

SAN JOAQUIN RESERVOIR IMPROVEMENTS

SAN JOAQUIN RESERVOIR IMPROVEMENTS STUDY
SAND TRAP CLEANING EQUIPMENT AND TRAVELING CRANE STUDY SANTA ANA RIVER BRIGDE SEISMIC RETROFIT SANTIAGO TOWER ACCESS ROAD UPGRADE SANTIAGO TOWER PATROL ROAD REPAIR

SD5 REPAIR

SECOND LOWER FEEDER STRAY CURRENT MITIGATION SYSTEMS REFURBISHMENT SECURITY FENCING AT OC-88 PUMPING PLANT SEISMIC EVALUATION OF CRASTRUCTURES
SEISMIC EVALUATION OF CRASTRUCTURES
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

SERVICE CONNECTION DWC-21 VALVES REPLACEMENT SKINNER BR - IMPROVE CABAZON RADIAL GATE FACILITY SUCTION & DISCHARGE LINES EXPANSION JOINT STUDY SWITCHYARDS AND HEAD GATES REHAB

SWITCHYARDS AND HEAD GATES REHAB
TEMESCAL HYDRO-ELECTRIC PLANT ACCESS ROAD UPGRADE
TEMESCAL POWER PLANT ACCESS ROAD PAVING
TRANSFORMER OIL & CHEMICAL UNLOADING PAD CONTAINMENT
TRANSFORMER OIL & NO SODIUM HYPOCHLORITE CONTAINMENT PROJECT
U.S. BUREAU OF LAND MANAGEMENT LAND ACQUISITION
UPPER FEEDER CATHODIC PROTECTION SYSTEM
UPPER FEEDER GATES REHABILITATION PROJECTS
UPPER FEEDER LEAKING EXPANDSION JOINT REPAIR

UPPER FEEDER LEAKING EXPANDISION JOINI REPAIR
VALLEY BRANCH - PIPELINE CORROSION TEST STATION
WASTEWATER SYSTEM REHABILITATION
WASTEWATER SYSTEM REHABILITATION - GENE/RON MTN
WASTEWATER SYSTEM REHABILITATION - HINDS/EAGLE MTN
WEST VALLEY FEEDER #2 CATHODIC PROTECTION SYSTEM REHABILITATION
WEST VALLEY FEEDER #2 CATHODIC PROTECTION SYSTEM REHABILITATION

WHITE WATER SIPHON PROTECTION
WHITEWATER EROSION PROTECTION STRUCTURE REHABILITATION
WHITEWATER SIPHON EROSION PROTECTION

WHITEWATER SIPHON PROTECTION STRUCTURE

Sub-total Conveyance and Aqueduct facilities costs

76,958,748

Description

Distribution Facilites

108TH STREET PRESSURE CONTROL STRUCTURE VALVE REPLACEMENT
42" CONICAL PLUG VALVE REPLACEMENT

ACCUSONIC FLOW METER UPGRADE ACCUSTIC FIBER OPTIC MONITORING OF PCCP LINES

ALAMEDA CORRIDOR PIPELINE
ALL FACILITIES - WATER DISCHARGE ELIMINATION
ALL FACILITIES, INSPECTION AND REPLACEMENT OF CRITICAL VACUUM VALVES

ALL FEEDERS - MANHOLE LOCKING DEVICE RETROFIT
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 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 - SITA ION 2/6+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 STRUCTURE - ROOF SLAB REPAIRS
ALLEN MCCOLLOCH PIPELINE VALVE VAULT REPAIRS
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 REHABILITATION

ALLEN-MCCOLLOCH PIPELINE REFURBISHMENT - STAGE 2 ALLEN-MCCOLLOCH PIPELINE VALVE AND SERVICE CONNECTION VAULT REPAIRS

AMP -SERVICE CONNECTIONS UPGRADES
AMP -VALVE ACTUATOR REPLACEMENTS
AMP COMPLETION RESOLUTION RIGHT OF WAY ISSUES

AMR - RTU UPGRADE - PHASE 2 ANODE WELL REPLACEMENT FOR ORANGE COUNTY AND RIALTO FEEDERS

APPIAN WAY VALVE REPLACEMENT ARROW HIGHWAY PROPERTY DEVELOPMENT 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

AUTOMATED RESERVOIR WATER QUALITY MONITORING AUTOMATED RESERVOIR WATER QUALITY MONITORING AUTOMATIC METER READING SYSTEM - RTU UPGRADE PHASE 2 AUTOMATIC METER READING SYSTEM UPGRADE AUTOMATION COMMUNICATION UPGRADE AUTOMATION COMMUNICATION UPGRADE AUTOMATION COMMUNICATION UPGRADE

BAR 97- ENHANCED AREA VEHICLE TESTING BATTERY MONITORING SYSTEM FOR AUTOMATIC METER READING SYSTEM

BIXBY VALVE REPLACEMENT BLACK METAL MOUNTAIN ELECTRICAL TRANSFORMER

BLACK MEHAL MOON LAIN ELECTRICAL TRANSFORMER
BOX SPRINGS FEEDER BROKEN BACK REPAIR
BOX SPRINGS FEEDER BROKEN BACK REPAIR PHASE I
BOX SPRINGS FEEDER PHASE 3 AND 4 ENVIRONMENTAL MONITORING
BOX SPRINGS FEEDER REPAIR - PHASE II
BOX SPRINGS FEEDER REPAIR - PHASE II
BOX SPRINGS FEEDER REPAIRS PHASE 3 AND PHASE 4

C&D CRANE INSTALLATION AT 0C-88 PUMPING PLANT CAJALCO CREEK DAM MANHOLE COVER RETROFIT CAJALCO CREEK DETENTION DAM SPILLWAY ACCESS ROAD

CALABASAS FEEDER CARBON FIBER /BROKEN BACK REPAIR CALABASAS FEEDER INTERFERENCE MITIGATION

CALABASAS FEEDER PCCP REHABILITATION CALABASAS FEEDER REPAIR, STUDY 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 PRESSURE CONTROL STRUCTURE SEISMIC ASSESSMENT

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 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
CATHODIC PROTECTION FOR THE FOOTHILL FEEDER
CATHODIC PROTECTION SYSTEM LIBERANCES

CATHODIC PROTECTION SYSTEM UPGRADES

CCP-PHASE 2 CONSTRUCTION
CDSRP - DISCHARGE ELIMINATION

COSRP - SEPULVEDA FEDER REPAIRS
CDSRP - SEPULVEDA FEEDER REPAIRS
CDSRP - SEPULVEDA TANKS RECOATING

CENTRAL POOL AUGMENTATION - TUNNEL AND PIPELINE & RIGHT-OF-WAY ACQUISITION CENTRAL POOL AUGMENTATION (CPA) PROGRAM - PIPELINE AND TUNNEL ALIGNMENT

CENTRAL POOL AUGMENTATION (DPA) PROGRAM - PIPELINE AND TONNEL ALI
CENTRAL POOL AUGMENTATION AND WATER QUALITY PROJECT (CPAWQP)
CHEMICAL INVENTORY AND USAGE REWRITE AND ELECTRICAL, SYSTEM LOG
CHEMICAL UNLOADING FACILITY RETROFIT
CHEVALLER FALCON MILLING MACHINE
COASTAL JUNCTION REVERSE FLOW BYPASS

COASTAL PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT COLLIS AVENUE VALVE REPLACEMENT

COLLIS VALVE REPLACEMENT COLORADO RÍVER AQUEDUCT CASA LOMA SIPHON BARREL NO. 1 PROJECT NO. 2 - PERMANENT REPAÍRS

COMMUNICATIONS STRUCTURE ALARM MONITORING

COMPREHENSIVE INFORMATION SECURITY ASSESSMENT PHASE III CONSTRUCTION PHASE 2

CONTRACT & LITIGATION TASKS -CONTRACT # 1396

Description

Distribution Facilites
CONTROL SYSTEM DATA STORAGE AND REPORTING
CONTROL SYSTEM DRAWING & DOCUMENTATION UPDATE

CONTROL SYSTEM DRAWING & DOCUMENT ATION OPDATE
CONTROL SYSTEM ENHANCEMENT PROGRAM (CSEP) - DIGITAL SUBNET STANDARDIZATION
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 AND DISTRIBUTION SYSTEM ELECTRICAL STRUCTURES REHABILITATION

CONVEYANCE AND DISTRIBUTION SYSTEM REHABILITATION PROGRAM (CDSRP) - CURRENT DRAIN STATIONS COPPER BASIN ICS

COPPER BASIN SEWER SYSTEM
CORONA POWER PLANT REPLACE EMERGENCY GENERATOR
CORROSION MATERIALS TESTING FACILITY SCADA UPGRADE

COVINA PRESSURECONTROL FACILITY
COYOTE CREEK NORTHERN PERIMETER LANDSCAPING

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 CABAZON & POTRERO SHAFT COVERS

CRA CONTROL INTEGRATION

CRA PROTECTIVE SLAB AT STATION 9704+77 CROSS CONNECTION PREVENTION PROGRAM - PHASE II CONSTRUCTION

CROSS CONNECTION PREVENTION PROGRAM - PHASE II CONSTRUCTION
CROSS CONNECTION PREVENTION PROJECT, COMPLETE PRELIMINARY DESIGN AND CEQA DOCUMENTATION
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)
CURRENT DRAIN STATIONS

DAM REHABILITATION & SAFETY IMPROVEMENTS ST. JOHN'S CANYON CHANNEL EROSION MITIGATION DANBY TOWER FOUNDATION INVESTIGATION AND SHORT TERM MITIGATION

DANBY TOWER FOUNDATION INVESTIGATION AND SHORT TERM MITIGATION
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 BRANCH, PURCHASE & INSTALL 5 PORT VIDEO CONFERENCING
DESERT FACILITIES DOMESTIC WATER GAC SYSTEM INSTALLATION

DESERT FACILITIES DOMESTIC WATER GAC 5YSTEM INSTALLATION
DESERT HORN VOLTAGE TRANSMISSION TOWERS - REPLACE COPPER GROUND WIRES ON
DETAIL SEISMIC EVALUATION OF WATER STORAGE TANK
DFP - ELIMINATE BACKUP GENERATOR TIE-BUS & INSTALL MANUAL TRANSFER SWITCH FOR CHLORINE SCRUBBER
DIEMER FILTRATION PLANT - SLOPE REPAIR
DIEMER FILTRATION PLANT - SLOPE REPAIR
DIEMER OZONE COOLING WATER ALTERNATIVE SOURCE

DIRECTIONAL SIGNS FOR DIAMOND VALLEY LAKE FACILITY DISCHARGE ELIMINATION

DIST SYS-AIR RELEASE & VAC VALVE MODS
DISTRIBUTION SYSTEM - CCPP CONSTRUCTION PACKAGES 9,11,12
DISTRIBUTION SYSTEM - STANDPIPE STRENGTHENING PROGRAM

DISTRIBUTION SYSTEM - STATIONARY CORROSION REFERENCE
DISTRIBUTION SYSTEM - TREATED WATER CROSS CONNECTION PREVENTION PROJECT - FINAL DESIGN & CONSTRUCTION

DISTRIBUTION SYSTEM ASSESSMENTS/UPGRADES OF LOS ANGELES COUNTY
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 & INSTRUMENTATION UPGRADES
DISTRIBUTION SYSTEM INFRASTRUCTURE PROTECTION IMPROVEMENTS FOR ORANGE COUNTY
DISTRIBUTION SYSTEM REHABILITATION PROGRAM - ASSESS THE STATE OF MWD'S DISTRIBUTION SYSTEM
DISTRIBUTION SYSTEM REPLACEMENT OF AREA CONTROL SYSTEMS - WILLOWGLEN RTUS ADMINISTRATION
DISTRIBUTION SYSTEM REPLACEMENT OF AREA CONTROL SYSTEMS (DSRACS)
DISTRIBUTION SYSTEM REPLACEMENT OF AREA CONTROL SYSTEMS (DSRACS)
DISTRIBUTION SYSTEM REPLACEMENT OF AREA CONTROL SYSTEMS (DSRACS)

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 VIEWPOINT ROAD SECURITY UPGRADES EAGLE EQUIPMENT WASH AREA UPGRADE

EAGLE ROCK - ASPHALT REHABILITATION EAGLE ROCK - FIRE PROTECTION AT THE WESTERN AREA OF THE EAGLE ROCK CONTROL CENTER PERIMETER GROUNDS

EAGLE ROCK CONTROL CENTER FIREHYDRANT

EAGLE ROCK LATERAL INTERCONNECTION REPAIR EAGLE ROCK MAIN BUILDING ROOF REPLACEMENT - STUDY

EAGLE ROCK OCC - REHAB CONTROL ROOM EAGLE ROCK OPERATIONS CONTROL CENTER

EAGLE ROCK RESIDENCE CONVERSION

EAGLE ROCK TOWER AND PUDDINGSTONE SPILLWAY GATES REHABILITATION EAGLE ROCK TOWER SLIDEGATE REHABILITATION

EAST INFLUENT CHANNEL REPAIR PROJECT

Description

Distribution Facilites

EAST ORANGE COUNTY FEEDER #2 REPAIR

EAST ORANGE COUNTY FEEDER NO. 2 SERVICE CONNECTION A-6 REHABILITATION
EAST VALLEY FEEDER VALVE STRUCTURE ELECTRICAL UPGRADE
EASTERN AND DESERT REGIONS PLUMBING RETROFIT

EASTERN REGION PCCP JOINT MODIFICATION 2012 E-DISCOVERY STORAGE MANAGEMENT SYSTEM UPGRADE ELECTRIC CURRENT DRAIN STATION INSTALLATIONS

ELECTRICAL UPGRADES AT 15 STRUCTURES, OC REGION ELECTROMAGNETIC INSPECTIONS OF PCCP LINES

ELECTRONIC SYSTEM LOG (ESL) 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 AUTOMATION PHASE II
ENVIRONMENTAL REQULATORY AGREEMENTS AND OTHER REGULATORY AGENCY
EQUIPMENT UPGRADE AT THE NORTH PORTAL OF THE HOLLYWOOD TUNNEL
ETIWANDA / RIALTO PIPELINE INTER-TIE CATHODIC PROTECTION
ETIWANDA CAVITATION FACILITY INFRASTRUCTURE REHABILITATION
ETIWANDA CAVITATION TEST FACILITY COMMUNICATION AND CONTROL SYSTEM REPLACEMENT

ETIWANDA CAVITATION TEST FACILITY COMMUNICATION AND CONTROL SYSTEM REF
ETIWANDA PIPELINE - LINING REPLACEMENT
ETIWANDA PIPELINE - LINING REPLACEMENT
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 LINING REPAIRS
ETIWANDA PIPELINE LINING REPAIRS
ETIWANDA RESERVOIR - EXTEND OUTLET STRUCTURE
FACILITY AND PROCESS RELIABILITY ASSESSMENT
FARPLEX AND WALNUT PCS VALVES REPLACEMENT
FILITER ISOLATION GATE AND BACKWASH CONTROL WEIR COVERS MODULES 1-6

FILTER ISOLATION GATE AND BACKWASH CONTROL WEIR COVERS MODULES 1-6 FLOW METER REPLACEMENT PROJECT FLOWMETER MODIFICATION - LAKE SKINNER INLET, ETIWANDA EFFLUENT & WADSWORTH CROSS CHANNEL

FLOWME IER MODIFICATION - DARE SMINNER INLET, ETIWANDA EFFLOEN FOOTHILL & SEPULVEDA FEEDER FOCP CARBON FIBER JOINT REPAIRS FOOTHILL FEEDER - CASTAIC VALLEY BLOW-OFF VALVES REPLACEMENT FOOTHILL FEEDER ADEN AVE. REHABILITATION FOOTHILL FEEDER CARBON FIBER REPAIR FOOTHILL FEEDER CATHODIC PROTECTION

FOOTHILL FEEDER PIPELINE REPLACEMENT PROJECT FOOTHILL FEEDER POWER PLANT EXPANSION

FOOTHILL FEEDER REPAIR @ SANTA CLARITA RIVER FOOTHILL FEEDER, CARBON FIBER REPAIRS FOOTHILL HYDROELECTRIC RUNNER REPLACEMENT

FOOTHILL PCS - UNINTERRUPTIBLE POWER SOURCE SYSTEMS INSTALLATION FOOTHILL PCS FLOOD PUMP INSTALLATION DESIGN DOCUMENTATION

FOOTHILL PCS INTERNAL VALVE LINERS UPGRADE
FUTURE SYSTEM RELIABILITY PROGRAM
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

GENE & IRON POOLS

GENE & IRON POOLS
GENE AIR CONDITIONING SYSTEM REPLACEMENT
GENE MESS HALL AIR CONDITIONING UNIT
GENE SPARE PARTS WAREHOUSE IMPROVEMENTS
GLENDALE 01 SERVICE CONNECTION REHABILITATION AND UPGRADE
GLENDALE-01 SERVICE CONNECTION REHABILITATION
GREG AVE PCS FACILITY REHABILITATION
GREG AVE PUS FACILITY REHABILITATION
GREG AVER HILL CONTROL STRUCTURE VALVE BEDI ACEMENT

GREG AVENUE CONTROL STRUCTURE VALVE REPLACEMENT
GREG AVENUE PCS - PUMP MODIFICATIONS AND NEW CONTROL BUILDING
GREG AVENUE PCS CONTROL BUILDING INTERIOR REHABILITATION

HINDS GARAGE ASBESTOS SHEETING REPLACEMENT HOLLYWOOD TUNNEL NORTH PORTAL EQUIPMENT UPGRADES

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

INLAND FEEDER AND LAKEVIEW PIPELINE INTERTIE INLAND PCSUST REMOVAL & AST INSTALLATION INSTALL MOTION SENSORS IN NEW EXPANSION

INSTALL MOTION SENSORS IN NEW EXPANSION
INSTALL TEST LEADS AT FOUR LOCATIONS
INSTALT TEST STATIONS
INTAKE PUMPING PLANT - UNDER FREQUENCY PROTECTION RELAY UPGRADE
IRON MOUNTAIN - TRANSFORMER OIL TANK RELOCATION
JENSEN DISTRIBUTION SYSTEM - REPLACEMENT OF AREA CONTROL SYSTEMS - CONTRACT # 1396
JENSEN EGEN UST UPGRADE - LINE LEAK DETECTOR INSTALLATION
JENSEN FILTER EFFLUENT TURBIDIMETER RELIABILITY

TABLE 3 CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites
JENSEN FILTRATION PLANT - REPLACE ADMINISTRATION BUILDING AIR CONDITIONING
JENSEN FILTRATION PLANT - ROAD RECONSTRUCTION

JENSEN FLUORIDE TANK REPLACEMENT LA VERNE FACILITIES - BRIDGEPORT E-2-PATH

LA VERNE FACILITIES - BNERGY 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 - MAIN TRANSFORMERS REPLACEMENT
LA VERNE FACILITIES - MATERIALS TESTING LABORATORY

LA VERNE FACILITIES - REPLACEMENT OF FLOCCULATOR STUB SHAFT - BASINS 1 & 2 LA VERNE MACHINE SHOP - AIR CONDITIONING UNIT REPLACEMENT LA VERNE MACHINE SHOP - REPAIR HORIZONTAL BORING MILL

LA-35 DISCHARGE STRUCTURE REPAIRS

LAKE MATHEWS - CONSTRUCTION OF BACKUP COMPUTER FACILITIES

LAKE MATHEWS - L'ONSTRUCTION DE BARKUP COMPUTER FAGILITIES
LAKE MATHEWS - DIVERSION TUNNEL WALKWAY REPAIR
LAKE MATHEWS - FOREBAY MCC ROOF IMPROVEMENT
LAKE MATHEWS - MAIN DAM TOE SEEPAGE COLLECTION
LAKE MATHEWS - MAIN DAM TOE SEEPAGE COLLECTION
LAKE MATHEWS - MULTIPLE SPECIES MANAGER'S OFFICE & RESIDENCE

.AKE MATHEWS - RENOVATION OF BLDGS, 8 & 15, GENERAL ASSEMBLY & ADMIN, BLDG, OFFICE AREAS LAKE MATHEWS - RETROFIT LOWER ENTRANCE GATE SWING ARM

LAKE MATHEWS FENCING SECURITY UPGRADE
LAKE MATHEWS FENCING SECURITY UPGRADE
LAKE MATHEWS FOREBAY MCC ROOF IMPROVEMENT
LAKE MATHEWS MAIN DAM TOE SEEPAGE COLLECTION
LAKE MATHEWS RETROFIT LOWER ENTRANCE GATE SWING ARM
LAKE PERRIS BYPASS PIPELINE EXPLORATION

LAKE PERMIS BYPASS PIPELINE REFLORATION
LAKE PERRIS BYPASS PIPELINE RELINING
LAKE PERRIS EMERGENCY STANDBY GENERATOR AND TRANSFER SWITCH REPLACEMENT
LAKE SKINNER - AERATOR AIR COMPRESSOR REPLACEMENT
LAKE SKINNER - OUTLET TOWER VALVE REHABILITATION
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 DAM ROAD REHAB LAKE SKINNER EAST BYPASS SCREENING STRUCTURES LAKE SKINNER OUTLET TOWER CHLORINE SYSTEM MODIFICATION

LAKE SKINNER WEST BYPASS SCREENING STRUCTURE
LAKE SKINNER WEST BYPASS SCREENING STRUCTURE REHABILITATION

LAKE VIEW PIPE LINE REPAIRS LAKEVIEW PIPELINE - REPLACE VACUUM/AIR RELEASE LAKEVIEW PIPELINE CATHODIC PROTECTION SYSTEM

LAKEVIEW PIPELINE RELINING LAKEVIEW PIPELINE REPAIR

LAKEVIEW PIPELINE UPGRADE LIVE OAK RESERVOIR BYPASS PIPELINE CATHODIC PROTECTION LOWER FEEDER - CATHODIC PROTECTION

LOWER FEEDER WR 33 - AREA REPAIR AND REMEDIATION MAGAZINE CANYON CANOPY

MAGAZINE CANYON-ISOLATION GATE JACKING FRAME MAPES LAND ACQUISTION MICROWAVE COMMUNICATION SITES BUILDING UPGRADE

MICROWAVE COMMUNICATION SITES BUILDING UPGRADE
MIDDLE CROSS FEEDER CATHODIC PROTECTION
MIDDLE FEEDER - CATHODIC PROTECTION SYSTEMS
MIDDLE FEEDER - NORTH CATHODIC PROTECTION SYSTEM
MIDDLE FEEDER BLOW-OFF VALVE REPLACEMENT AT STA 782+53.16
MIDDLE FEEDER NORTH CATHODIC PROTECTION SYSTEM

MIDDLE FEEDER RELOCATION FOR SCE MESA SUBSTATION
MILLS FILTRATION PLANT - INVESTIGATION TO RELOCATE ACCESS ROAD

MILLS FILTRATION PLANT - INVESTIGATION TO RELOCATE ACCES MINOR CAP 98/09 PLACEHOLDER MINOR CAP FY 2019/10 MINOR CAP FY 2012/13 MINOR CAP FY 2014/16 MINOR CAPITAL PROJECTS PROGRAM 07/08 - REMAINING FUNDS

MOUNT OLYMPUS TUNNEL COST RIGHT-OF-WAY (ROW) MWD ROAD GUARDRAIL

MWD ROAD GUARDRAIL
NITROGEN STORAGE COMPLIANCE AT DVL, INLAND FEEDER PCS, AND LAKE MATHEWS
NITROGEN STORAGE STUDY
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 ENVIRONMENTAL - CONSTRUCTION
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 ROOF REPLACEMENT

OAK STREET PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT - CONSTRUCTION OC 44 SERVICE CONNECTIONS & EOC#2 METER ACCESS ROAD REHAB

OC FEEDER STA 1920+78 BLOWOFF STRUCTURE & RIP-RAP REPAIRS OC RESERVOIR SODIUM HYPOCHLORITE PUMP AND PIPING REPLACEMENT

OC-71 FLOW CONTROL FACILITY
OC-88 - SECURITY FENCING AT PUMP PLANT
OC-88 EMERGENCY STANDBY GENERATOR UPGRADE STUDY

OC-88 PUMP PLANT AIR COMPRESSOR UPGRADE
OC-88 PUMP STATION FLOW METER UPGRADE

OC-88 PUMPING PLANT SURGE TANKS UPGRADES
OC-88 PUMPING PLANT UPGRADES

OLINDA PCS AND SANTIAGO TOWER EMERGENCY GENERATORS

OLINDA PCS VALVE REPLACEMENT OLINDA PRESSURE CONTROL STRUCTURE

OLÍNDA PRESSURE CONTROL STRUCTURE AND SANTÍAGO TOWER EMERGENCY GENERATORS

TABLE 3 CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites
ON-CALL RESOURCES MANAGEMENT APPLICATION
OPERATIONS CONTROL CENTER AT EAGLE ROCK

OPERATIONS CONTROL CENTER AT EAGLE ROCK
OPERATIONS CONTROL CENTER UPS REPLACEMENT
OPERATIONS SCOPING STUDY
ORANGE CO FOR, BLOW-OPF STRUCTURE AND ACCESS ROAD REPAIR
ORANGE COUNTY - 88 PUMP PLANT AIR COMPRESSOR UPGRADE
ORANGE COUNTY - 88 SECURITY FENCING AT PUMP PLANT

ORANGE COUNTY AREA DISTRIBUTION SYSTEM VALVE REPLACEMENT ORANGE COUNTY C & D ELECTRICAL IMPROVEMENTS - STUDY

ORANGE COUNTY C & D ELECTRICAL IMPROVEMENTS - STUDY
ORANGE COUNTY C&D INSTRUMENTATION PANEL IMPROVEMENTS
ORANGE COUNTY C&D TEAM SUPPORT FACILITY
ORANGE COUNTY CONVEYANCE AND DISTRIBUTION SERVICE CENTER
ORANGE COUNTY FEEDER CATHODIC PROTECTION
ORANGE COUNTY FEEDER CATHODIC PROTECTION SYSTEM REHABILITATION
ORANGE COUNTY FEEDER EXTENSION LINING REPAIR
ORANGE COUNTY FEEDER INSPECTION
ORANGE COUNTY FEEDER INSPECTION

ORANGE COUNTY FEEDER INTERNAL INSPECTION STUDY
ORANGE COUNTY FEEDER LINING REPAIRS
ORANGE COUNTY FEEDER PRESSURE CONTROL STRUCTURES

ORANGE COUNTY FEEDER RELINING
ORANGE COUNTY FEEDER RELOCATION IN FULLERTON

ORANGE COUNTY FEEDER SCHEDULE 37SC CATHODIC PROTECTION ORANGE COUNTY FEEDER STA 1920+78 BLOWOFF STRUCTURE & RIP-RAP REPAIRS ORANGE COUNTY REGION ENVIRONMENTAL MITIGATION MONITORING

ORANGE COUNTY RESERVOIR - INSTALL HYPOCHLORINATION STATIONS
ORANGE COUNTY RESERVOIR - PIEZOMETERS & SEEPAGE MONITORING AUTOMATION

OXIDATION DEMONSTRATION PLANT CONTROL SYSTEM REPLACEMENT

ALOS ALTOS FEEDER - 108TH ST.

PALOS VERDES FEEDER - LONG BEACH LATERAL TURNOUT STRUCTURES STA. 1442+15 VALVE REPLACEMENTS

PALOS VERDES FEEDER PCS - VALVE REPLACEMENT
PALOS VERDES RESERVOIR - INSTALL HYPOCHLORINATION STATIONS

PALOS VENDES RESERVOIR - INSTALL HYPOCHLORINAT PC-1 EFFLUENT OPEN CHANNEL TRASH RACK PC-1 EFFLUENT OPEN CHANNEL TRASH RACK PROJECT PCCP HYDRAULIC ANALYSES PCCP REHABILITATION - PROGRAM MANAGEMENT PERIMETER FENCING AT PLACERITA CREEK

PERMANENT LEAK DETECTION/PIPELINE MONITORING SYSTEM PERRIS PCS - UNINTERRUPTIBLE POWER SOURCE SYSTEMS INSTALLATION

PERRIS CONTROL FACILITY BYPASS & PCS UPGRADE PERRIS PCS ROOF REHAB

PERRIS PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT

PERRIS PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT PERRIS PUMPBACK COVER 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 (WMWD)

PERRIS VALLEY PIPELINE VALVES
PLACENTIA RAILROAD LOWERING PROJECT
PLACERITA CREEK PERIMETER FENCING

PLANT INFLUENT REDUNDANT FLOW METERING AND SPLITTING PLC REPLACEMENT PHASE II

PRESTRESSED CONCRETE CYLINDER PIPE - PHASE 2
PRESTRESSED CONCRETE CYLINDER PIPE (PCCP) STRUCTURAL PEFORMANCE RISK ANALYSIS
PRESTRESSED CONCRETE CYLINDER PIPE -PHASE 3

PROGRAMATTIC ENVIRONMENTAL DOCUMENTATION OF ORANGE COUNTY PROGRAMATTIC ENVIRONMENTAL DOCUMENTATION OF SAN BERNARDINO COUNTY

PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION OF SAN BERNARDING 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 RESERVOIR HYPOCHLORITE PUMP AND PIPING REPLACEMENT

R&R FOR DISTRIBUTION

R&R FOR DISTRIBUTION
REAL PROPERTY ACQUISITION
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
REHABILITATION OF THE GREG AVE PCS CONTROL BUILDING INTERIOR
RELOCATION OF ORANGE COUNTY FEEDER
RELOCATION OF PORTION OF ORANGE COUNTY FEEDER (MWD'S SHARE)

RELICATION OF PORTION OF GRANGE COUNTY FEEDER (MWD'S SHARE)
REMAINING PORTIONS
REPAIRS TO THE LA-35 DISCHARGE STRUCTURE
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 CUPPER GROUNDWINES ON DESERT HIGH VOLTAGE TAR REPLACE VALVE POSITION INDICATORS REPLACEMENT OF COMMUNICATION LINE AT SAN GABRIEL TOWER REPLACEMENT RELINE AT-RISK PCCP LINES - STAGE 1 RIALTO FEEDER BROKEN BACK REPAIR

RIALTO FEEDER VALVE STRUCTURE

KIALI O FEEDER, REPAIRS AT SELECT LOCATIONS, STUDY RIALTO PIPELINE - CONSTRUCTION PHASE 1 RIALTO PIPELINE - CONSTRUCTION PHASE 2 RIALTO PIPELINE IMPROVEMENTS

RIALTO PIPELINE IMPROVEMENTS - CONSTRUCTION

SAN GABRIEL TOWER AND SPILLWAY IMPROVEMENTS

TABLE 3 CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description Distribution Facilites
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 - VALVE PROCUREMENT 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 RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM - LOS ANGELES COUNTY REGION 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 SURVEY AND MAPPING RIGHT OF WAY SURVEY AND MAPPING RIO HONDO PRESSURE CONTROL STRUCTURE VALVE REPLACEMENTS RIO HONDO PRESSURE CONTROL STRUCTURE VALVE REPLACEMENTS
ROBERT B. DIEMER FILTRATION PLANT - LAND ACQUISITION
ROOF REPLACEMENT AT SOTO ST. FACILITY
SAN DIEGO A'S BLOWOFF TO PUMPWELL CONVERSION
SAN DIEGO CANAL - EAST & WEST BYPASS SCREENING STRUCTURES STUDY SAN DIEGO CANAL - EAST & WEST BYPASS SCREENING STRUCTURES S
SAN DIEGO CANAL - ELECTRICAL VAULT & CONDUCTOR REPLACEMENT
SAN DIEGO CANAL - FENCING
SAN DIEGO CANAL - INSTALL ACOUSTIC FLOW METER
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 LINER REPAIR SAN DIEGO CANAL RADIAL GATE (V0-6) REHABILITATION SAN DIEGO CANAL RADIAL GATE (VO-8) REHABILITATION SAN DIEGO CANAL RADIAL GATE REHAB SAN DIEGO CANAL SEEPAGE STUDY SAN DIEGO CANAL WEST BYPASS TRASH RACK SAN DIEGO PIPELINE #4 VALVE REPLACEMENT SAN DIEGO PIPELINE 1 BLOW-OFF VALVE REPLACEMENT SAN DIEGO PIPELINE 3 & 5 REMOTE CONTROL OF BYPASS SAN DIEGO PIPELINE 4 AND AULD VALLEY PIPELINE CARBON FIBER REPAIRS SAN DIEGO PIPELINE 5 & LAKE SKINNER OUTLET REPAIR
SAN DIEGO PIPELINE 6 - PRESSURE CONTROL STRUCTURE/HYDROELECTRIC PLANT - FEASIBILITY STUDY
SAN DIEGO PIPELINE 6 NORTH REACH, ENVIRONMENTAL MONITORING DURING CONSTRUCTION SAN DIEGO PIPELINE NO. 1 JOINT REPAIR SAN DIEGO PIPELINE NO. 3 BYPASS SAN DIEGO PIPELINE NO. 3 PIPNOS MODIFICATIONS
SAN DIEGO PIPELINE NO. 3 PIPNOS 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 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. 15 AND IEGO 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 - CONSTRUCTION
SAN DIEGO PIPELINE NO. 6 - NORTH REACH ENVIRONMENTAL PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - NORTH REACH FINAL DESIGN & ADVINTP
SAN DIEGO PIPELINE NO. 6 - NORTH REACH FINAL DESIGN & ADVINTP SAN DIEGO PIPELINE NO. 6 - NORTH REACH PINAL DESIGN & ADVINIP SAN DIEGO PIPELINE NO. 6 - NORTH REACH POST 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 PROGRAM MANAGEMENT - DESIGN SAN DIEGO PIPELINE NO. 6 - NORTH REACH PROGRAM MANAGEMENT - 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 - 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 - PROJECT MANAGEMENT
SAN DIEGO PIPELINE NO. 6 - PROJECT MANAGEMENT
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH - PROGRAM MANAGEMENT
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH - PROGRAM MANAGEMENT
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH - CONSTRUCTION / AS BUILT
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH CONSTRUCTION / AS BUILT
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH CONSTRUCTION / AS BUILT
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH CONSTRUCTION / AS DILGO
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH ENVIRONMENTAL - CONSTRUCTION
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH ENVIRONMENTAL PRELIMINARY 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 FINAL DESIGN/ADV
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH FINAL DESIGN/ADV
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH FINAL DESIGN/ADV
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH FINAL DESIGN/ADV
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH FINAL DESIGN/ADV
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH FINAL DESIGN/ADV
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH TUNNEL ALIGNMENT ANALYSIS
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH TUNNEL ALIGNMENT ANALYSIS
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH TUNNEL ALIGNMENT ANALYSIS
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH TUNNEL ALIGNMENT ANALYSIS
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH TUNNEL ALIGNMENT ANALYSIS
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH TUNNEL ALIGNMENT ANALYSIS 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 NO. 5 . 1AND 3 - VALVE REPLACEMENT
SAN DIMAS AND RED MOUNTAIN POWER PLANTS STANDBY 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 FRANCISQUITO PIPELINE BLOW OFF STRUCTURE, STA 287+70, ACCESS ROAD CONSTRUCTION
SAN GABRIEL TOWER AND SPILLWAY IMPROVEMENTS

TABLE 3 CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites
SAN GABRIEL TOWER SEISMIC UPGRADE
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 REPLACEMENT

SAN JAAGINI O DIVERSION SI NOUTURE SLIDE GATE Y-US REPLACEMENT SAN JAAQUIN RELIEF STRUCTURE FOR EASTERN ORANGE COUNTY FEEDER #2 SAN JOAQUIN RELIEF STRUCTURE FOR EASTR OC FDR #2 SAN JOAQUIN RESERVOIR, INSTALL BULKHEAD SANTA ANA RIVER BRIDGE EXPANSION JOINT REPLACEMENT SANTA ANA RIVER BRIDGE SEISMIC RETROFIT

SANTA ANA RIVER BRIDGE SEISMIC UPGRADE SANTA MONICA FEEDER RELOCATION

SANTA MONICA FEEDER STATION 495+10 REHABILITATION

SANTIA MONICA FEEDER STATION 495+10 REHABILITATION
SANTIAGO CONTROL TOWER CATHODIC PROTECTION
SANTIAGO LATERAL REPLACE MOTOR - OPERATED VALVE
SANTIAGO LATERAL SECTIONALIZATION VALVE REPLACEMENT
SANTIAGO LATERAL STA 216+40 BUTTERFLY VALVE REPLACEMENT
SANTIAGO PRESSURE CONTROL STRUCTURE
SANTIAGO TOWER ACCESS ROAD IMPROVEMENT
SCADA COMMUNICATIONS MPLS UPGRADE - AT&T REGION (MINOR CAP)
SCADA SYSTEM HARDWARE UPGRADE
SCADA SYSTEM HARDWARE UPGRADE
SCADA SYSTEM NT SOFTWARE UPGRADE
SCADA SYSTEM NT SOFTWARE UPGRADE

SCADA SYSTEM NT SOFTWARE UPGRADE
SCADA SYSTEM SUPPORT PROGRAMS
SD AND CASA LOMA CANALS LINING
SD CANAL EAST & WEST BYPASS SCREENING STRUCTURES STUDY
SD CANAL REPLACE SODIUM BISULFITE TANK

SD CANAL REPLACE SOLIDIOM BISOLFTIE TAINS
SD PIPELINE 3 CULVERT ROAD REHAB
SD PIPELINE 3.4, AND 5 PROTECTIVE COVER
SD PIPELINE 4 EXPLORATORY EXCAVATION
SD PIPELINE 5 EXPLORATORY EXCAVATION
SD PIPELINE 5 EXPLORATORY EXCAVATION
SD PIPELINES 3 AND 5 REMOTE CONTROL BYPASS STRUCTURE GATES AND ISOLATION VALVES

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 FEEDER - INSTALL LINER

SECOND LOWER FEEDER CATHODIC PROTECTION SYSTEM SECOND LOWER FEEDER CURRENT MITIGATION REFURBISHMENT

SECOND LOWER FEEDER PCCP REHABILITATION
SECOND LOWER FEEDER PCCP REPAIRS
SECOND LOWER FEEDER RELIABILITY AT 3 LOCATIONS - SEISMIC STUDY

SEISMIC UPGRADE OF 11 FACILITIES ON THE ALLEN MCCOLLOCH PIPELINE SEISMIC UPGRADES AT 10 SERVICE CONNECTION STRUCTURES ALONG AMP

SEISMIC DIPGRADES AT 10 SERVICE CONNECTION STRUCTURES ALONG AMP
SELECTED PRESSURE REPLACE VALVE POSITION INDICATORS
SEPULVEDA CANYON CONTROL FACILITY BYPASS PROJECT
SEPULVEDA CANYON CONTROL FACILITY WATER STORAGE TANKS SEISMIC UPGRADE
SEPULVEDA CANYON POWER PLANT TAIL RACE COATINGS
SEPULVEDA CANYON TANKS EXTERIOR AND INTERIOR RECOATING

SEPULVEDA FEEDER - CARBON FIBER LINER REPAIRS SEPULVEDA FEEDER CATHODIC PROTECTION SYSTEM

SEPULVEDA FEEDER CORROSIONINTERFERENCE MITIGATION, STATION 950+00 TO 1170+00 SEPULVEDA FEEDER HEP AUTO PILOT SEPULVEDA FEEDER PCCP DEL AMO BLVD URGENT RELINING

SEPULVEDA FEEDER REPAIRS AT 3 SITES
SEPULVEDA FEEDER REPAIRS AT 3 SITES
SEPULVEDA FEEDER SOUTH CATHODIC PROTECTION SYSTEM
SEPULVEDA FEEDER STATION 2002+02 TO 2273+28 STRAY CURRENT INTERFERENCE MITIGATION
SEPULVEDA FEEDER STRAY CURRENT MITIGATION REFURBISHMENT
SEPULVEDA FEEDER STRAY CURRENT MITIGATION REFURBISHMENT
SEPULVEDA FEEDEREAST VALLEY FEEDER INTERCONNECTION ELECTRICAL UPGRADES

SEPULVEDA PCS - PERIMETER ASPHALT REPAIRS SEPULVEDA PIPELINE PCCP REHABILITATION

SEPULVEDA PIPELINE PCCP REHABILITATION
SEPULVEDA-WEST BASIN INTERCONNECTION VALVE REPLACEMENTS
SERVICE CONNECTION LV-01 UPGRADES
SERVICE CONNECTION 0C-26 - RELOCATION OF METER CABINET, INSTRUMENT HOUSING & AIR VENT STACK
SERVICE CONNECTION WB13 - WEST BASIN FEEDER
SERVICE CONNECTIONS CB-12 & CB-16 TURNOUT VALVE REPLACEMENT & ELECTRICAL UPGRADE
SERVICE CONNECTIONS WB-2A AND WB-2B EQUIPMENT RELOCATION
SIMULATION AND MODELING APPLICATION FOR REAL TIME OPERATIONS SMART OPS
SITE 3 SECOND LOWER FEEDER URGENT REPAIRS - FINAL DESIGN

SITES 1 & 2 SECOND LOWER FEEDER URGENT REPAIRS - FINAL DESIGN & PIPE FABRICATION 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

TABLE 3 CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilites
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 DAM REMEDIATION

SKINNER DISTRIBUTION SYSTEM - CONTRACT # 1396 SKINNER ELECTRICAL BUILDING HVAC UPGRADE SKINNER FACILITY AREA PAVING

SKINNER FILTRATION PLANT - ELEVATED SLAB IN SERVICE BLDG 1 SKINNER HELIPAD REHAB

SKINNER REPLACEMENT FOR WETCELL BATTERY AND INVERTER SKINNER SCADA SERVERS RELOCATION

SMININER SCADA SERVERS RELOCATION
SMART-OPS (FORMERLY RTOS)
SOTO STREET FACILITY - BUILDING SEISMIC UPGRADE
SOTO STREET FACILITY - REPLACE HEATING
SOTO STREET FACILITY - ROOF REPLACEMENT
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

ST. JOHN'S CANYON CHANNEL EROSION MITIGATION SYSTEM RELIABILITY PROGRAM

SYSTEM-WIDE ASPHALT REPLACEMENT

SYSTEM-WIDE ASPHALT REPLACEMENT
TEMESCAL POWER PLANT REPLACE EMERGENCY GENERATOR
TREATED WATER CROSS CONNECTION PREVENTION - FINAL DESIGN & CONSTRUCTION
TREATED WATER CROSS CONNECTION PREVENTION - UNFUNDED WORK
TWO-WAY RADIO ENHANCEMENT - EMERGENCY SERVICES, FIRE CONTROL, EVACUATION & BLDG. MAINT.
TWO-WAY RADIO ENHANCEMENT FOR EMERGENCY SERVICES, FIRE CONTROL, EVACUATION AND BLDG. MAINTENANCE
UNDER GROUND STORAGE TANK DISPENSER SPILL CONTAINMENT & REMEDIATION
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

UPGRADE SUNSET GARAGE UPPER FEEDER - SANTA ANA RIVER BRIDGE REPAIRS

UPPER FEEDER - STRUCTURAL PROTECTION
UPPER FEEDER AIR ENTRAINMENT
UPPER FEEDER CATHODIC PROTECTION SYSTEM

UPPER FEEDER GATE REHABILITATION
UPPER FEEDER JUNCTION STRUCTURE SEISMIC UPGRADE

UPPER FEEDER SANTA ANA RIVER DISCHARGE PAD
UPPER FEEDER SERVICE CONNECTIONS UPGRADES
UPPER NEWPORT BAY BLOW-OFF STRUCTURE REHABILITATION

UPS SYSTEMS INSTALLATION AT FOOTHILL PCS
UPS SYSTEMS INSTALLATION AT PERRIS CONTROL STRUCTURE

UTILITY BUSINESS ARCHITECTURE (OBJECT MAPPING/MODELING) VACUUM AIR RELEASE VALVE RELOCATION PILOT PROGRAM

VALLEY & LOS ANGELES DISTRIBUTION VALVE POSITION DISPLAY UPGRADE

VALVE PROCUREMENT
VIDEO CONFERENCE SYSTEM UPGRADE

VIDEO CONFERENCING UPGRADE
VIDEOCONFERENCING UPGRADE
WADSWORTH PUMPING PLANT - MODIFICATION/REPAIRS OF FIFTY-NINE 6,9KV BREAKERS/CABINETS
WADSWORTH PUMPING PLANT CONDUIT REPAIR AND PROTECTION
WADSWORTH PUMPING PLANT CONTROL & PROTECTION UPGRADES
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/DVL CONTROL & PROTECTION SYSTEM UPGRADE - UPS REPLACEMENT

WATER DELIVERY SYSTEM AUTOMATION WATER PLANNING APPLICATION

WATER QUALITY - REMOTE MONITORING
WATER QUALITY LABORATORY BUILDING EXPANSION
WATER QUALITY MONITORING AND EVENT DETECTION SYSTEM

WEST COAST FEEDER - CATHODIC PROTECTION SYSTEMS WEST OC FEEDER VALVE REPLACEMENT

WEST ORANGE COUNTY FEEDER OC-09 REHABILITATION WEST ORANGE COUNTY FEEDER VALVE REPLACEMENT

WEST VALLEY AREA STUDY

WEST VALLEY AREA STUDY
WEST VALLEY FEEDER #1 STAGE 2 VALVE STRUCTURE MODIFICATIONS - CONSTRUCTION
WEST VALLEY FEEDER NO. 1 - DE SOTO VALVE STRUCTURE 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 VALVE STRUCTURE MODIFICATIONS
WESTERN REGION PLUMBING RETROFIT

WESTERN REGION PLUMBING KEI ROFII
WESTERN SAN BERNARDINO COUNTY REGION ENVIRONMENTAL MITIGATION MONITORING
WEYM. PLT/LA VERNE FAC-BACKFLO PREV ASSY
WEYMOUTH - BUILDING NO. 4 - HAND RAIL AND STAIRS ADDITION
WEYMOUTH - FLAG POLE AREA LANDSCAPE UPGRADE
WEYMOUTH - FLAG POLE AREA LANDSCAPE UPGRADE
WEYMOUTH ASPHALT REHABILITATION

WEYMOUTH COMPRESSED AIR SYSTEM
WEYMOUTH DISTRIBUTION SYSTEM - REPLACEMENT OF AREA CONTROL SYSTEMS - CONTRACT #1396

WEYMOUTH FLOCCULATOR REHABILITATION

WEYMOUTH WATER TREATMENT PLANT DOMESTIC AND FIRE WATER SYSTEM IMPROVEMENT
WFP - ASPHALT REHABILITATION

WFP - COMPRESSED AIR SYSTEM IMPROVEMENT WFP - PURCHASE OF REAL PROPERTY

WFP - REPAIR TO BLDG # 1 YORBA LINDA FEEDER - STA 924+11 PORTAL ACCESS

YORBA LINDA FEEDER BYPASS

YORBA LINDA PORTAL STRUCTURE ACCESS/TELEGRAPH CREEK BRIDGE

Sub-total Distribution facilities costs

80,127,382

\$

TABLE 4 FISCAL YEAR 2023/24 ESTIMATED READINESS-TO-SERVE CHARGE REVENUE

Member Agency	Rolling Ten- Year Average Firm Deliveries (Acre-Feet) FY2011/12 - FY2020/21	RTS Share	6 months @ \$154 million per year (7/23- 12/23)	Rolling Ten- Year Average Firm Deliveries (Acre-Feet) FY2012/13 - FY2021/22	RTS Share	6 months @ \$167 million per year (1/24- 6/24)	Total RTS Charge FY 2023/24
Anaheim	19,376.9	1.37%	1,051,617	21,455.1	1.51%	1,262,624	2,314,242
Beverly Hills	10,308.7	0.73%	559,471	10,205.1	0.72%	600,566	1,160,037
Burbank	13,354.6	0.94%	724,777	12,718.9	0.90%	748,502	1,473,279
Calleguas MWD	96,573.4	6.81%	5,241,203	95,178.2	6.71%	5,601,201	10,842,404
Central Basin MWD	34,311.0	2.42%	1,862,116	33,127.5	2.33%	1,949,541	3,811,657
Compton	340.2	0.02%	18,463	179.0	0.01%	10,534	28,997
Eastern MWD	97,570.2	6.88%	5,295,301	98,347.5	6.93%	5,787,713	11,083,014
Foothill MWD	8,306.1	0.59%	450,786	8,584.8	0.61%	505,212	955,998
Fullerton	7,280.1	0.51%	395,103	6,943.1	0.49%	408,599	803,702
Glendale	16,256.7	1.15%	882,279	16,034.1	1.13%	943,601	1,825,880
Inland Empire Utilities Agency	55,761.7	3.93%	3,026,283	54,931.6	3.87%	3,232,704	6,258,986
Las Virgenes MWD	20,715.7	1.46%	1,124,276	20,371.3	1.44%	1,198,843	2,323,120
Long Beach	29,251.8	2.06%	1,587,545	29,143.9	2.05%	1,715,107	3,302,652
Los Angeles	273,537.0	19.28%	14,845,319	289,217.7	20.38%	17,020,351	31,865,671
Municipal Water District of Orange County	195,128.0	13.75%	10,589,929	194,843.4	13.73%	11,466,460	22,056,389
Pasadena	18,954.2	1.34%	1,028,677	19,240.7	1.36%	1,132,308	2,160,985
San Diego County Water Authority	214,362.4	15.11%	11,633,813	195,939.0	13.81%	11,530,935	23,164,748
San Fernando	29.7	0.00%	1,612	85.4	0.01%	5,026	6,638
San Marino	0.0	0.07%	52,861	1,020.4	0.07%	60,050	112,911
Santa Ana	9,606.6	0.68%	521,367	9,104.1	0.64%	535,773	1,057,139
Santa Monica	4,607.4	0.32%	250,051	4,511.6	0.32%	265,506	515,557
Three Valleys MWD	63,736.2	4.49%	3,459,072	64,396.5	4.54%	3,789,709	7,248,782
Torrance	15,549.0	1.10%	843,871	15,339.7	1.08%	902,735	1,746,606
Upper San Gabriel Valley MWD	30,096.0	2.12%	1,633,361	34,238.2	2.41%	2,014,905	3,648,266
West Basin MWD	113,660.3	8.01%	6,168,538	114,036.4	8.04%	6,710,999	12,879,537
Western MWD	69,139.3	4.87%	3,752,308	69,677.5	4.91%	4,100,494	7,852,802
MWD Total	1,418,787.2	100.00%	\$ 77,000,000	1,418,870.7	100.00%	\$ 83,500,000	\$ 160,500,000
Totals may not foot due to rounding		<u> </u>				-	·

TABLE 5

FISCAL YEAR 2023/24
ESTIMATED STANDBY CHARGE REVENUE

Member Agencies	Total Parcel Charge	Number of Parcels Or Acres	Gross Revenues (Dollars) ¹
Anaheim	\$ 8.55	69,455	593,838
Beverly Hills	-		-
Burbank	14.20	29,093	413,127
Calleguas MWD	9.58	3 260,082	2,491,586
Central Basin MWD	10.44	340,790	3,557,852
Compton	1.65	18,066	29,810
Eastern MWD	6.94	405,681	2,815,429
Foothill MWD	10.28	30,303	311,520
Fullerton	10.71	35,308	378,148
Glendale	12.23	45,076	551,279
Inland Empire Utilities Agency	7.59	264,760	2,009,525
Las Virgenes MWD	8.03	53,346	428,368
Long Beach	12.16	92,461	1,124,328
Los Angeles	-		-
Municipal Water District of Orange County ²	10.09	662,325	7,530,243
Pasadena	11.73	39,578	464,255
San Diego County Water Authority	11.51	1,113,969	12,821,778
San Fernando	-	- 5,102	-
San Marino	8.24	4,971	40,963
Santa Ana	7.88	65,116	513,115
Santa Monica	-		-
Three Valleys MWD	12.21	151,421	1,848,850
Torrance	12.23	40,617	496,741
Upper San Gabriel Valley MWD	9.27	214,808	1,991,268
West Basin MWD	-	- <u>-</u>	-
Western MWD	9.23	387,025	3,572,237
MWD Total		4,329,354	\$ 43,984,259

- (1) Estimates per FY 2022/23 applied amounts
- (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, 2022

Annexation	Parcel Number	Acres	Proposed Star (FY 202	, ,
San Diego County Water Authority	1			
SVBF Temple Reorganization	241-080-47	22.13	\$	254.72
Rancho Corrido Annexation	130-040-16	32.03	\$	368.62

REORGANIZATIONS BETWEEN MEMBER AGENCIES

Annexation	Parcel Number	Acres	Original Standby Charge	Proposed Standby Cha (FY 2023/24)	arge
Reorg No. 21-04			MWDOC & City of Orange	City of Anaheim	
From City of Orange & MWDOC To City of Anahiem	232-011-37	0.35	\$ -	\$	8.55

NOTICE TO MEMBER AGENCIES OF PROPOSED ADOPTION OF READINESS-TO-SERVE CHARGE AND CAPACITY CHARGE FOR CALENDAR YEAR 2024 AND CONTINUATION OF STANDBY CHARGE FOR FISCAL YEAR 2023/24

The Board of the Metropolitan Water District of Southern California (Metropolitan) adopted a biennial budget for fiscal years 2022/23 and 2023/24 on April 12, 2022. On the same date, the Board also adopted rates for calendar years 2023 and 2024 and charges for calendar year 2023 to meet revenue requirements for fiscal years 2022/23 and 2023/24. The Board's determinations were based on the assumption of Readiness-To-Serve charge collections for calendar year 2024 of \$167 million and a Capacity Charge set at \$11,200 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 11, 2023 (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 2024.

The Board's determinations on April 12, 2022 were also based on the continuation of Metropolitan's water standby charge for fiscal year 2023/24. Accordingly, at its regular meeting to be held May 9, 2023, (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 2023/24 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: February 3, 2023

Karmo Kernin'

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 February 3, 2023, 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 2024 AND CONTINUATION OF STANDBY CHARGE FOR FISCAL YEAR 2023/24

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

alexr@centralbasin.org; tgoff@calleguas.com; chris.garner@lbwater.org; Martin.adams@ladwp.com; cbilezerian@torranceca.gov; cparker@anaheim.net; cmiller@wmwd.com; dpedersen@lvmwd.com; drothlindell@burbankca.gov; garry.hofer@amwater.com; GregoryR@westbasin.org; hdelatorre@mwdoc.com; mouawadj@emwd.org; mmarlowe@cityofsanmarino.org; MBaumgardner@sfcity.org; mlitchfield@tvmwd.com; mmcwade@cityoffullerton.com; MDeGhetto@GlendaleCA.GOV; nsaba@santa-ana.org;nina.jaz@fmwd.com; ddenham@sdcwa.org; skerl@sdcwa.org;sepstein@beverlyhills.org; sdeshmukh@ieua.org sjackson@cityofpasadena.net; sunny.wang@smgov.net; tom@usgvmwd.org; vmeza@comptoncity.org

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct. Executed on February 3, 2023, at Los Angeles, California.

Mya Ros Mya Ros



Finance, Audit, Insurance, and Real Property Committee

Water Standby Charge for Fiscal Year 2023/24

Item 8-6 May 9, 2023

Standby Charge Program

- Collected from properties within area of 22 member agencies participating in program since FY 1993/94
- Applied towards participating agencies' Readiness-to-Serve (RTS) Charge obligation
- Produces annual revenue of about \$43.9 million for those agencies' RTS Charge obligation

Standby Charge Rates

- Standby Charge has been collected at rates that do not exceed the rates set in FY 1993/94
- Charge per acre or parcel, if less than an acre, for FY 2023/24 ranges from \$1.65 to \$14.20

Board Action RTS and Standby Charges

- April 2022: Board adopted the Readiness-to-Serve Charge for CY 2023 at \$154 million
 - <u>May 2022</u>: Board adopted resolution to continue Water Standby Charge for <u>FY 2022/23</u>

- April 2023: Board adopted the Readiness-to-Serve Charge for <u>CY 2024</u> at \$167 million
 - <u>May 2023</u>: Board to consider Resolution to continue Water Standby Charge for <u>FY 2023/24</u>

Board Options

• Option #1 – Adopt the resolution to continue the Standby Charge for fiscal year 2023/24

• Option #2 – Do not adopt the resolution to continue the Standby Charge for fiscal year 2023/24, which would require the participating member agencies to pay the full RTS Charge directly to Metropolitan, rather than having a portion collected through the Standby Charge

Staff Recommendation

• Option #1 – Adopt the resolution to continue the Standby Charge for fiscal year 2023/24



THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

RESOLUTION 9345

RESOLUTION OF THE BOARD OF DIRECTORS OF THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA CONTINUING THE WATER STANDBY CHARGE FOR FISCAL YEAR 2023/24

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

- 1. At its meeting on April 12, 2022, the Board adopted Resolution 9303 "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, 2023;"
- 2. At its meeting on April 11, 2023, the Board adopted Resolution 9341 "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, 2024;"
- 3. Certain member public agencies ("member agencies") of Metropolitan have elected to pay all or a portion of their Readiness-to-Serve ("RTS") Charge obligation through the continuance of the Metropolitan water standby charge ("Standby Charge") collected from parcels within those member agencies;
- 4. Metropolitan is willing to comply with the requests of member agencies opting to have Metropolitan continue to collect the Standby Charge within their respective territories, on the terms and subject to the conditions contained herein;
- 5. Section 134.5 of the Metropolitan Water District Act authorizes the Board to collect a service charge from member agencies or, as an alternative, to collect a service charge as a standby charge against individual parcels within the district;
- 6. Metropolitan first established the Standby Charge in 1992, pursuant to the procedures authorized by Section 134.5 of the Metropolitan Water District Act and the Uniform Standby Charge Procedures Act ("USCPA"), Sections 54984-54984.9, inclusive, of the Government Code;
- 7. The Standby Charge has not exceeded the rates set in fiscal year 1993/94, and in fiscal year 1995/96 was reduced to \$0.00 for the member agencies electing not to have any portion of their RTS Charge obligation collected through the Standby Charge;
- 8. The Standby Charge is not subject to the procedures set forth in Article XIII D, Section 4 of the California Constitution effective July 1, 1997 (Proposition 218), as the Standby Charge has not exceeded the rates set in fiscal year 1993/94, has not exceeded the amount of the Standby Charge existing in fiscal year 1996/97 when Proposition 218 became effective, and the proceeds of the Standby Charge are used for purposes specified in Section 5 of Article XIII D; and
- 9. The particular charge, per acre or per parcel, applicable to land within each member agency, the method of its calculation, and the specific data used in its determination are as specified in the Engineer's Report dated April 2023, supporting the RTS Charge and Standby Charge option (the "Engineer's Report"), which is attached hereto and on file with the Board Executive Secretary of Metropolitan; and
- 10. Written notice of the intention of Metropolitan's Board to consider and take action at its regular meeting of May 9, 2023, to continue the Standby Charge for fiscal year 2023/24 was given to each of

Metropolitan's member agencies.

NOW THEREFORE, the Board of Directors of The Metropolitan Water District of Southern California does hereby resolve, determine and order as follows:

Section 1. That the Board of Directors of Metropolitan, pursuant to the Engineer's Report, finds that lands within Metropolitan are benefited as described in such report and on that basis, hereby continues its Standby Charge for fiscal year 2023/24 on lands within requesting member agencies of Metropolitan to which water is made available for any purpose, whether water is actually used or not, as specified in the Engineer's Report.

Section 2. That the rates of such Standby Charge, per acre of land, or per parcel of land less than an acre, as shown in the Engineer's Report, may vary by member agency, and shall not exceed the amount of the fiscal year 1996/97 Standby Charge for the member agency. The Standby Charge applicable to each electing member agency, the method of its calculation, and the specific data used in its determination are as specified in the Engineer's Report which was prepared by a registered professional engineer certified by the state of California, which methodology is in accordance with Section 134.5 of the Metropolitan Water District Act and reflects the range of costs provided in Metropolitan's Fiscal Years 2022/23 and 2023/24 Cost of Service Report for Proposed Rates and Charges.

Section 3. That the Standby Charge, per acre of land, or per parcel of land less than an acre, applicable to land within each electing member agency as allocated in the Engineer's Report shall be as follows for fiscal year 2023/24:

2023/24 Water Standby Charge

Amount

Member Agency	<u>Amount</u>
Anaheim	\$8.55
Beverly Hills	
Burbank	14.20
Calleguas MWD	9.58
Central Basin MWD	10.44
Inland Empire Utilities Agency	7.59
Coastal MWD [*]	11.60
Compton	1.65
Eastern MWD	6.94
Foothill MWD	10.28
Fullerton	10.71
Glendale	12.23
Las Virgenes MWD	8.03
Long Beach	12.16
Los Angeles	
MWD of Orange Co.**	10.09
Pasadena	11.73
San Diego CWA	11.51
San Fernando	0.00
San Marino	8.24
Santa Ana	7.88
Santa Monica	
Three Valleys MWD	12.21
Torrance	12.23
Upper San Gabriel Valley MWD	9.27
West Basin MWD	
Western MWD of Riverside Co.	9.23

Applicable to parcels included within territory of former Coastal MWD.

^{**} Exclusive of parcels included within territory of former Coastal MWD.

Section 4. That the Standby Charge shall continue to be collected on the tax rolls, together with the *ad valorem* property taxes that are levied by Metropolitan for the payment of pre-1978 voter approved indebtedness. The amounts of the Standby Charge are continued at amounts that are not estimated to exceed a member agency's RTS Charge obligation. However, any amounts 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. Any member agency requesting to have all or a portion of its RTS Charge obligation collected through the Standby Charge levies within its territory as provided herein shall pay any portion not collected through net Standby Charge collections to Metropolitan within fifty (50) days after Metropolitan issues an invoice for the remaining RTS Charge obligations for such member agency, as provided in Administrative Code Section 4507.

Section 5. That the following exemption procedures apply:

- (a) It is the intent of the Board that the following lands shall be exempt from the Standby Charge: (1) lands owned by the Government of the United States, the state of California, or by any political subdivision thereof or any entity of local government; (2) 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; (3) lands not included in (1) or (2) above, which 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; and (4) lands within any member public agency, subagency, or city if the governing body of such public entity elects and commits to pay out of funds available for that purpose, in installments at the time and in the amounts established by Metropolitan, the entire amount of the Standby Charge which would otherwise be collected from lands within those public entities. However, no exemption from the Standby Charge shall reduce the applicable member agency's RTS Charge obligation. The General Manager may develop and implement additional criteria and guidelines for exemptions in order to effectuate the intent expressed herein.
- (b) The General Manager shall establish and make available to interested applicants procedures for filing and consideration of applications for exemption from the Standby Charge pursuant to subsections (2) and (3) of Section 5(a) above. All applications for such exemption and documents supporting such claims must be received by Metropolitan in writing on or before December 31, 2023. The General Manager is further directed to review any such applications for exemption submitted in a timely manner to determine whether the lands to which they pertain are eligible for such exemption and to allow or disallow such applications based upon those guidelines. The General Manager shall also establish reasonable procedures for the filing and timing of the appeals from his determination. The procedures will be on file and available for review by interested parties at Metropolitan's headquarters.
- (c) The Finance, Audit, Insurance, and Real Property Committee of Metropolitan's Board of Directors shall hear appeals from determinations by the General Manager to deny or qualify an application for exemption from the Standby Charge. The Finance, Audit, Insurance, and Real Property Committee shall consider such appeals and make recommendations to the Board to affirm or reverse the General Manager's determinations. The Board shall act upon such recommendations and its decision as to such appeals shall be final.
- **Section 6.** That no exemption from the Standby Charge shall reduce the applicable member agency's RTS Charge obligation, nor shall any failure to collect, or any delay in collecting, any Standby Charge excuse or delay payment of any portion of the RTS Charge when due.
- **Section 7.** That the RTS Charge is collected by Metropolitan as a rate, fee or charge from 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 collection of the RTS Charge. In the event that the Standby Charge, any portion thereof, or the collection of the Standby Charge, 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 the continuation of the Metropolitan Standby Charge as a means of collecting its RTS Charge obligation shall pay such RTS Charge obligation in full, as if such Standby Charge had never been sought.

Section 8. That the General Manager is hereby authorized and directed to take all necessary action to secure the collection of the Standby Charge by the appropriate county officials, including payment of the reasonable cost of collection.

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.

Section 10. 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.

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 May 9, 2023.

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

Tois Forg-Sal-



Water Resource Management Group

Conservation Board Report May 2023

Summary

This report provides a summary of conservation activity and expenditures for March 2023.

Purpose

Informational

Detailed Report

Conservation Expenditures – FY2022/23 & FY2023/24 (1)

	Paid ⁽²⁾	Committed ⁽³⁾
Regional Devices	\$7.3 M	\$3.0 M
Member Agency Administered	\$6.3 M	\$6.2 M
Turf Replacement	\$15.0 M	\$36.1 M
Advertising	\$5.5 M	\$1.5 M
Other	\$1.6 M	\$1.3 M
TOTAL	\$35.7 M	\$48.1 M

- (1) The Conservation Program biennial expenditure authorization is \$86 million.
- (2) Paid as of 7/1/2022 3/31/2023. Financial reporting on cash basis.
- (3) Committed dollars as of April 10, 2023

Summary of Expenditures in March 2023: \$4,539,283 (1)

Lifetime Water Savings to be achieved by all rebates in March 2023: 7,885 AF FY2022/23-FY2023/24: 45,511 AF lifetime water savings



Turf Replacement Rebates:

March: 1,435,260 ft² removed

FY2022/23-FY2023/24: 7,503,692 ft² removed



Clothes Washers:

March: 2,290 units rebated

FY2022/23-FY2023/24: 11,168 units rebated



Smart Controllers:

March: 835 units rebated

FY2022/23-FY2023/24: 7,881 units rebated



Toilets:

March: 3,356 units rebated

FY2022/23-FY2023/24: 21,342 units rebated



Rain Barrels and Cisterns:

March: 346 units rebated

FY2022/23-FY2023/24: 2,952 units rebated



Sprinkler Nozzles:

March: 1,750 units rebated

FY2022/23-FY2023/24: 18,193 units rebated

(1) Expenditures may include advertising and Water Savings Incentive Program activity in addition to the incentives highlighted above.

Date of Report: 5/9/2023

INFORMATION



Board of Directors Finance, Audit, Insurance, and Real Property Committee

5/9/2023 Board Meeting

9-2

Subject

Renewal Status of Metropolitan's Property and Casualty Insurance Program

Executive Summary

Pursuant to Metropolitan's Administrative Code, this letter reviews the current status of Metropolitan's insurance coverages and anticipated charges for Fiscal Year (FY) 2023/24. The premium estimates that follow are expected costs, but not actual quotes, at this writing. These expected costs are derived from Metropolitan's broker's experience with our current insurance carriers, other insurers that may be willing to quote our program, and the condition of the current marketplace overall. At this writing, we have reasonable confidence that the estimates provided by the insurance carriers will not exceed the aggregate total provided. Our broker will provide binding quotes once the insurance carriers have completed their review of Metropolitan's underwriting and risk profile information. In June, staff will present a board letter to request authority to purchase insurance based on the actual quoted premiums for the various lines of coverage.

Details

Background

The following list includes the Casualty and Property Insurance Program lines of insurance, with coverage amounts, which expire June 30, 2022:

- \$25 million aircraft liability coverage; \$10 million liability for Unmanned Aerial Vehicles, and aircraft hull coverage up to the planes' assessed values.
- \$5 million Crime coverage for exposures such as fraud, theft, faithful performance, and employee dishonesty in excess of a \$150,000 deductible.
- \$75 million General Liability coverage in excess of a \$25 million self-insured retention.
- \$60 million Fiduciary and Employee Benefits Liability coverage in excess of a \$25 million self-insured retention.
- \$65 million Public Officials, Directors and Officers Liability (D&O) coverage in excess of a \$25 million self-insured retention.
- Statutory Workers' Compensation, and \$1 million Employer's Liability coverage, in excess of a \$5 million self-insured retention; statutory coverage for Washington, D.C. employees.
- Stated property value up to \$25 million Property Damage coverage limit.

Metropolitan's property and casualty excess and specialty insurance renewal cost is expected to increase by approximately 15 percent over FY 2022/23. The cost increase is due to a continuation of significant global trends and factors affecting the insurance market. These include the extended economic fallout stemming from the global pandemic, increased frequency of climate change-induced mega-catastrophic weather events such as extreme storms and historic wildfires, and a continuation of significant social and political unrest. Escalating inflation over the past year, resulting from multiple national and international factors, is putting

additional upward price pressure on the insurance market. These events, combined with already existing pricing pressure trends, such as the expectation of rising medical costs, are causing both higher pricing and more restrictive policy terms and conditions. The effect of price increases and policy restrictions is expected to be somewhat muted because Metropolitan is significantly self-insured. Nonetheless, premium increases will continue to be more noticeable than during the pre-pandemic era. The rate of cost increases for the coming year is expected to be similar to that experienced for FY 2022/23.

Attachment 1 compares the current coverages and premiums to those projected for FY 2023/24. These projections are pegged to the upper end of the expected price range. Premiums for the two layers of excess General Liability make up the largest portion of Metropolitan's casualty insurance budget. We expect up to a 20 percent premium increase from an aggregate amount of \$1,054,491 for FY 2022/23 to a projected \$1,265,389 for the coming year due to the factors discussed above, and additional costs due to an anticipated wildfire surcharge for risks in California. The excess fiduciary policy premiums are anticipated to rise by about 15 percent, from \$94,990, to an anticipated \$109.240. The excess D&O policies are projected to cost about \$358,480, up 12 percent from \$320,068 in FY 2022/23. Premiums for excess workers' compensation, and the first dollar coverage policy for Washington, D.C. employees, are expected to rise more mildly by up to 10 percent from a combined \$121,727 in the current fiscal year to an estimated \$133,900 for FY 2023/24. To add context for this price trend, from FYs 2002/03 to 2005/06, the self-insured retention for workers' compensation coverage was incrementally raised from \$1 million to \$5 million in response to terror-riskrelated premium spikes in that line of coverage. The rationale to increase the self-insured retention was that the premiums saved over a ten-year period would offset the financial risk of a "once in a decade" claim that would exceed the self-insurance coverage in that particular year. That analysis was based on calculations derived from the annual actuarial study. Metropolitan's risk exposure has remained stable since that review.

Because premiums for this line of coverage stabilized and then later decreased, Metropolitan maintained the self-insured retention of \$5 million, but raised the coverage limit from \$25 million to \$50 million in FY 2010/11. In FY 2015/16, Metropolitan was able to obtain excess workers' compensation coverage with statutory limits over the \$5 million retention without a price increase. As premiums are expected to be mildly to moderately higher than last year, at this time staff anticipates maintaining the same self-insured retention and coverage limit. Over the last five years, excess workers' compensation premiums have remained fairly stable, with increases due mostly to medical inflation. Beginning in FY 2010/11, Metropolitan purchased a separate "first dollar" policy for the Washington, D.C. employees. That first dollar policy cost \$1,296 last year and is included in Metropolitan's total premium figure for workers' compensation coverage.

For all coverages, staff continues to explore the cost-benefit of various options to maximize coverage without significantly increasing premium costs, and other options to reduce premium costs without increasing Metropolitan's risk exposure. Staff also reviews and analyzes the suitability of the retention levels and coverage limits along with input from actuaries and comparisons to other organizations. As long as premium costs and Metropolitan's risk exposures remain stable, the actuarial recommendations for retention and excess coverage levels remain in place. Staff continues to review and evaluate the viability of obtaining other lines of coverage such as fire, flood, cyber liability, and earthquake coverage as risks and needs change. In past years, Metropolitan has not purchased these coverages because it has not been financially favorable, compared with the risk exposure, and because Metropolitan can raise funds if repairs are required. Metropolitan did a deeper dive into cyber liability coverage and obtained board authority of up to \$100,000 to obtain a policy to help finance and provide expertise and logistics in financing that risk. The costs were still too high, and above the approved board authority amount, and consequently the policy was not purchased for FY 2022/23. Staff continues to seek cost-effective options to insure a portion of the potential cyber liability exposure as an addition to Metropolitan's robust cyber liability defense.

Premium costs for other excess and specialty policies will vary by line of coverage but are expected to have varying cost increases due to inflationary pressures but also increased claims payment trends globally in some lines of coverage. The Aircraft Liability and Hull Policy premium is expected to increase from \$81,820 paid in FY 2022/23 to an estimated \$90,000. Metropolitan's Crime policy premium is anticipated to rise by approximately five percent from \$10,901 to \$11,450.

Metropolitan also maintains a property damage policy due to fire damage that occurred near the Diemer Facility in the fall of 2009. This policy was originally purchased in order to obtain reimbursement of over \$500,000 from the Federal Emergency Management Agency for damage repair. Last year the premium renewal cost was \$5,236, and due to continued wildfire-related losses in the western United States weighing on the insurance market, it is expected to again rise by up to 25 percent, to \$6,545 for FY 2023/24.

Metropolitan also carries Travel Accident and Special Contingency three-year duration policies, last purchased in fiscal 2022/23, which are not up for renewal until July 2025. In 2022, the renewal premiums cost \$21,633 and \$4,442, respectively.

To complete the insurance renewal for FY 2023/24, with similar limits and retentions, staff anticipates renewal premium costs of about \$1.974 million compared with approximately \$1.715 million for FY 2022/23.

Policy

Metropolitan Water District Administrative Code Section 6413: Insurance Program

Metropolitan Water District Administrative Code Section 9101: Risk Retention and Procurements of Insurance

Fiscal Impact

The total premium costs are anticipated to increase from \$1.715 million for FY 2022/23 to approximately \$1.974 million for FY 2023/24.

Katano Kasaine

Date

Assistant General Manager/

Chief Financial Officer

4/26/2023

Adel Hagekhalil General Manager Date

Attachment 1 – Metropolitan's Casualty and Property Insurance Program Insurance Premium Comparison in Dollars

Ref# cfo12695428

Metropolitan's Casualty and Property Insurance Program Insurance Premium Comparison In Dollars

Insurance Policy Type	Self-Insured Retention (SIR)	Coverage Limits	2022/23 Insurance Premiums	2023/24 Estimated Premium Cost	2023/24 Estimated Insurance Premium Cost Change	2023/24 Estimated Insurance Premium % Change
Excess General Liability	\$25 million	\$75 million	1,054,491	1,265,389	210,898	20%
Fiduciary and Employee Benefits Liability	\$25 million	\$60 million	94,990	109,240	14,250	15%
Public Officials Directors and Officers Liability	\$25 million	\$65 million	320,068	358,480	38,412	12%
Crime	\$150,000	\$5 million	10,901	11,450	549	5%
Aircraft Liability and Hull	\$1,000	\$25 million	81,820	90,000	8,180	10%
Excess Workers' Compensation, CA	\$5 million	Statutory	120,431	131,207	10,776	10%
Excess Workers' Compensation, D.C.	\$0	Statutory	1,296	1,397	101	10%
Property	\$0	Asset value	5,236	6,545	1,309	25%
Special Contingency *	\$0	\$5 million	4,442	NA	NA	NA
Travel Accident *	\$0	\$250,000	21,633	NA	NA	NA
Total Premiums	NA	NA	1,715,308	1,973,708	258,400	15%

Premium costs for two layers of General Liability, Fiduciary and Employee Benefits Liability, and Public Officials Directors and Officers Liability coverage.

^{*} Three-year policies last purchased July 2022. Premium costs were \$4,442 for Special Contingency and \$21,633 for Travel Accident.



Finance, Audit, Insurance, and Real Property Committee

Renewal Status of Metropolitan's Property and Casualty Insurance Program

Item 9-2 May 9, 2023

Review

Review the Current Program

Provide Cost Estimates for this year's Insurance Renewal

Review

Self-Insured Retentions

Claims Programs to Manage Self-Insured Retentions

Liability / Property

Workers' Compensation

Excess and Specialty Insurance Coverages

Self-Insured Retention

General Liability

\$25 million

Workers' Compensation

\$ 5 million

Property Damage *

Self-Insured

* Excluding Stand Alone Property Insurance Coverage

Claims Programs

Liability & Property

Risk Management Unit
Third Party Claims Administrator
MWD General Counsel

Workers' Compensation

Workers' Compensation / Medical Unit Third Party Claims Administrator MWD General Counsel

Excess Insurance

General Liability

Workers' Compensation

Public Officials, Directors & Officers Liability

Fiduciary & Employee Benefit Liability

\$75 million

Statutory

\$65 million

\$60 million

Metropolitan's Excess General Liability Coverage Layers and Limits

In Million Dollars

Excess Coverage	SIR	AEGIS 1 st Layer	EIM 2 nd Layer	Coverage Limits
General Liability	25	35	40	100
Fiduciary Liability	25	35	25	85
Directors & Officers Liability	25	25	40	90

Associated Electric & Gas (AEGIS) Energy Insurance Mutual (EIM) Self-Insured Retention (SIR)

Periodic Review

Periodic review of self-insured retention and excess coverage limits to ensure appropriate levels

- Actuarial Study, Insurance Broker and Staff Reviews
- Metropolitan's operations and risks remain stable
- Embedded safety programs in operations
- Environmental, Health & Safety training and monitoring
- Claims Management Programs
- Access to Capital

Specialty Insurance Aircraft Liability

Aircraft Hull

Property Damage

Crime

Special Risk *

Travel Accident *

\$25 million

Assessed Value

Assessed Value

\$5 million

\$5 million

\$250,000

^{* 3-}year coverages last purchased FY 2022/2023

Metropolitan's Property and Casualty Insurance Program 2023/24 Outlook

15% Overall Cost Increase

Factors Driving Expected Cost Increase

- Escalating global inflation due to continuation of post-pandemic supply chain issues, and Russia-Ukraine war causing market fluctuations and uncertainty
- Climate change induced mega-catastrophic weather events such as extreme storms and historic wildfires
- Global political and social unrest

Total Policy Renewal is estimated to increase from

\$1.72 million

\$1.98 million

Excess Insurance Premiums (in dollars)

Coverage Type	2022/23 Actual	2023/24 Projection	2023/24 % Change
General Liability	1,054,491	1,265,389	20%
Fiduciary and Employee Benefit Liability	94,990	109,240	15%
Public Officials Directors & Officers Liability	320,068	358,480	12%
Workers' Compensation	121,727	132,604	10%

Excess Insurance Premiums (in dollars)

Coverage Type	2022/23 Actual	2023/24 Projection	2023/24 % Change
Aircraft Hull & Liability	94,990	109,240	10%
Crime	10,901	11,450	5%
Property *	5,236	6,545	25%
Total Premiums	1,715,308	1,973,708	15%

^{*} Stand alone coverage for three structures previously damaged by fire

Excess Insurance Premiums (in dollars)

Coverage Type	2022/23 Actual
Special Contingency	4,442
Travel Accident	21,633
Premium Costs	26,075

❖ 3-year policies purchased in 2022 / 2023

Metropolitan's Property and Casualty Insurance Program Premium Comparison by Fiscal Year

Actual Actual Actual Actual Actual 2018/19 2019/20 2021/22 2020/21 2022/23 \$ 1,118,668 \$1,543,787 \$1,715,308* \$ 1,181,848* \$ 1,308,608 **Estimated** \$1,973,708 2023/2024

^{*} Includes renewal cost of 3-year duration policies for Travel Accident and Special Contingency policies

