

The Metropolitan Water District of Southern California

Agenda

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

EOT Committee

D. Erdman, Chair
S. Faessel, Vice Chair
D. Alvarez
G. Bryant
J. Crawford
B. Dennstedt
L. Fong-Sakai
R. Jay
J. Lewitt
J. McMillan
C. Miller
M. Petersen
K. Seckel

Engineering, Operations, and Technology Committee

Meeting with Board of Directors *

December 8, 2025

8:30 a.m.

Monday, December 8, 2025 Meeting Schedule

**08:30 a.m. EOT
10:45 a.m. LEG
12:00 p.m. Break
12:30 p.m. AUDIT
02:30 p.m. JT OWA &
IW**

Written public comments received by 3:00 p.m. the business day before the meeting is scheduled will be posted under the Submitted Items and Responses tab available here:
<https://mwdh2o.legistar.com/Legislation.aspx>.

The listen-only phone line is available at 1-877-853-5257; enter meeting ID: 862 4397 5848.

Members of the public may present their comments to the Board on matters within their jurisdiction as listed on the agenda via teleconference and in-person. To provide public comment by teleconference dial 1-833-548-0276 and enter meeting ID: 815 2066 4276 or to join by computer [click here](#).

Disclaimer: Written and oral public comments are received in compliance with the Ralph M. Brown Act. Please note that Metropolitan does not endorse or ensure the accuracy or reliability of the information provided as public comment or by third parties.

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

Teleconference Locations:

**Atlanta Marriott Marquis, Business Center • 265 Peachtree Center Avenue • Atlanta, GA 30303
3008 W. 82nd Place • Inglewood, CA 90305**

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

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

**** CONSENT CALENDAR ****

2. **COMMITTEE ACTION (ONLY)**

- A. Approval of the Minutes of the Engineering, Operations, and Technology for November 17, 2025 [21-5241](#)

3. **COMMITTEE ITEMS (FOR BOARD CONSIDERATION)**

- 7-1 Award a \$381,812 procurement contract to Primary Flow Signal Inc. for the replacement of two venturi flowmeters at the LA-17 service connection; the General Manager has determined that the proposed action is exempt or not subject to CEQA [21-5245](#)
 - 7-2 Authorize on-call agreements with Butier Engineering Inc., MARRS Services, Mott MacDonald, and HDR Inc. in amounts not to exceed \$2 million each for a maximum of two years for construction management and inspection services on capital improvement projects; and an increase of \$1.0 million to an existing agreement with PMA Consultants, for a new not-to-exceed total amount of \$1.249 million for cost estimating and scheduling services; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA [21-5246](#)

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

4. **COMMITTEE ITEMS (ACTION FOR BOARD CONSIDERATION)**

- 8-1 Adopt CEQA determination that the proposed action was previously addressed in the certified 2024 Garvey Reservoir Rehabilitation Project Environmental Impact Report; award a \$115,611,000 construction contract to J.F. Shea Construction Inc. for rehabilitation of Garvey Reservoir facilities; and authorize an increase of \$3.2 million to an existing agreement with Arcadis U.S. Inc. for a new not-to-exceed total amount of \$9.55 million for technical support during construction [21-5243](#)

5. **COMMITTEE ITEMS (INFORMATIONAL FOR BOARD CONSIDERATION)**

- 9-2 Capital Investment Plan quarterly report for period ending [21-5247](#)
September 2025

Attachments: [12092025 EOT 9-2 Report](#)

- 9-5 Guiding Principles for Pure Water Southern California Partnerships [21-5277](#)

6. COMMITTEE ITEMS (INFORMATIONAL)

- a. Engineering, Operations, & Technology Committee Field [21-5271](#)
Inspection Trip Report

Attachments: [12082025 EOT 6a CL](#)

- b. Power Cost Exposure with Lower Lake Mead Storage [21-5276](#)

- c. Cyber Threat Briefing [Conference with Metropolitan Director of [21-5248](#)
Info Tech Services, Information Technology, Jacob Margolis, or
designated agents on threats to public services or facilities; to be
heard in closed session pursuant to Gov. Code Section 54957(a)]

7. MANAGEMENT ANNOUNCEMENTS AND HIGHLIGHTS

- a. Engineering Services activities [21-5242](#)
Information Technology activities
Water System Operations activities

Attachments: [12082025 EOT 7a Engineering Services Activities](#)
[12082025 EOT 7a Water System Operations Activities](#)

8. FOLLOW-UP ITEMS

NONE

9. FUTURE AGENDA ITEMS

10. ADJOURNMENT

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

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

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



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Board Report

Engineering Services Group

- **Capital Investment Plan Quarterly Report for period ending September 2025**

Summary

The attached report provides a summary of actions and accomplishments on the Capital Investment Plan (CIP) during the first quarter of fiscal year 2025/26. It also provides updates on the status of capital projects and capital expenditures to date, and information regarding service connections and relocations authorized by the General Manager during the reporting period of July to September 2025, the first quarter of fiscal year 2025/26, and the fifth quarter of the fiscal years 2024/25 and 2025/26 biennium.

Purpose

Administrative Code Requirement Section 2720(a)(1): General Manager's Quarterly Reports

Section 2720 of Metropolitan's Administrative Code requires the General Manager to report quarterly to the Engineering and Operations Committee on the Capital Investment Plan.

Sections 4700-4708 of Metropolitan's Administrative Code requires the General Manager to report on service connections approved by the General Manager with the estimated cost and approximate location of each.

Section 8122(c) of Metropolitan's Administrative Code requires the General Manager to report on the execution of any relocation agreement under the General Manager's authority involving an amount in excess of \$100,000.

Highlights of progress and major milestones on selected projects are presented in the attached report grouped by CIP program.

Attachments

Capital Investment Plan quarterly report for period ending September 2025



The Metropolitan Water District of Southern California

Capital Investment Plan Quarterly Report

July - September 2025



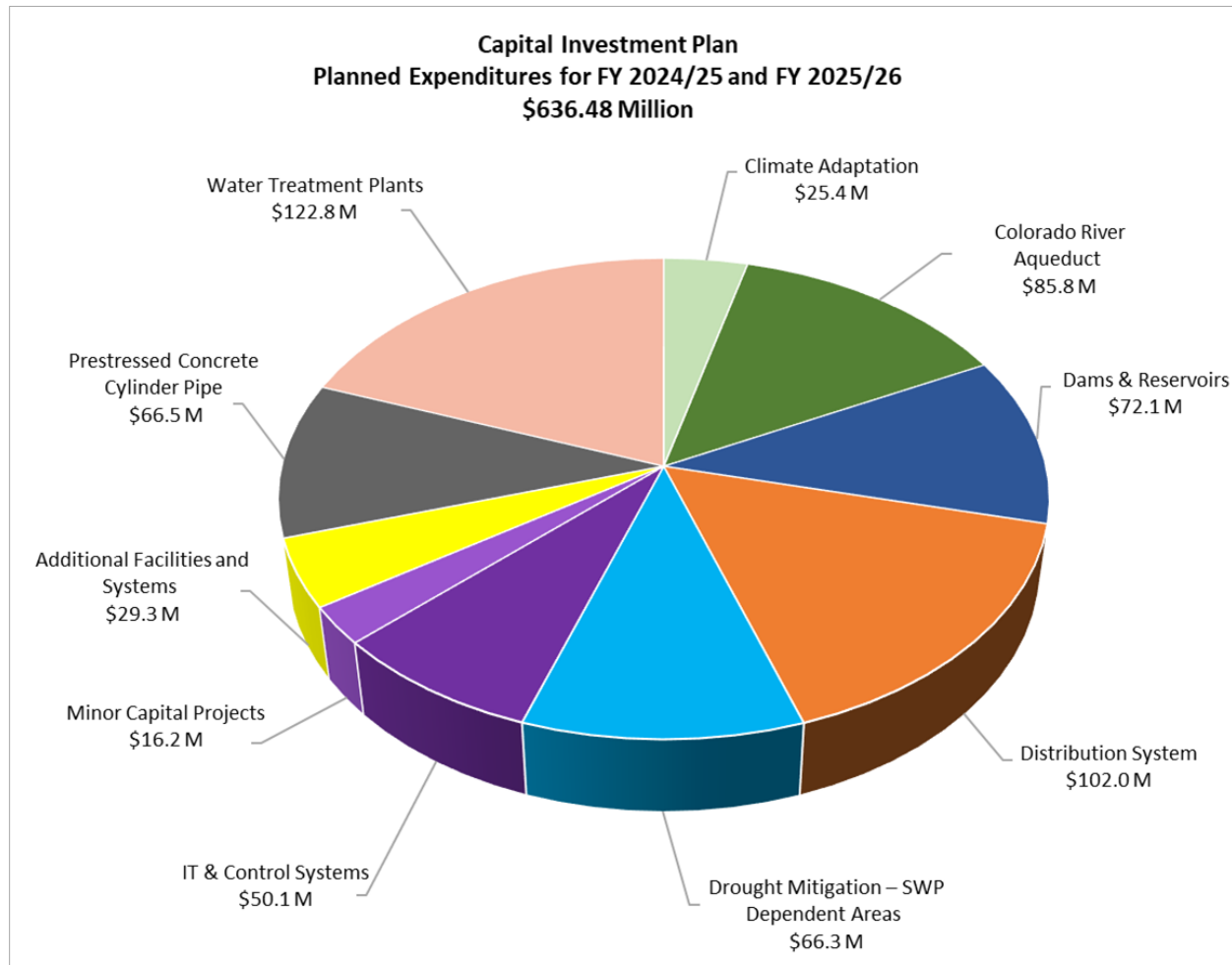
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Capital Investment Plan for Fiscal Years 2024/25 & 2025/26

Metropolitan's total planned capital expenditures for Fiscal Years (FYs) 2024/25 and 2025/26 are \$636.48 million. In April 2024, the Board appropriated \$636.48 million and delegated authority to the General Manager, subject to both CEQA requirements and the General Manager's authority as addressed in Metropolitan's Administrative Code, to initiate or proceed with work on all planned Capital Investment Plan (CIP) projects identified in the CIP Appendix for FYs 2024/25 and 2025/26. Figure 1 below shows the planned expenditures by program.

Figure 1: CIP for FY 2024/25 and FY 2025/26 by Program



[Cover photos (left to right; top to bottom): Weymouth Basins Nos. 5-8 and Filter Building No. 2 Rehabilitation – Installing 48-inch drain valve at Filter No. 28; Desert Microwave Tower Sites Upgrade – Installing microwave antenna and waveguide on the existing communication tower at Hinds Pumping Plant; Palos Verdes Reservoir Helicopter Dip Tank Facility – Installing 8-inch High-Density Polyethylene (HDPE) pipe using an HDPE fusion machine]

Executive Summary

This report provides a summary of the Capital Investment Plan (CIP) activities and accomplishments during the 1st Quarter of Fiscal Year (FY) 2025/26, which ended in September 2025. CIP expenditures through the 1st Quarter totaled approximately \$412.5 million, with 37 active procurement and construction contracts at the end of the quarter. The actual expenditures are projected to remain close to the planned expenditures, ending the biennium near the planned expenditure of \$636.48 million. The CIP funds allocated to specific projects through the reporting quarter totaled approximately \$548.7 million, leaving approximately \$87.8 million available to be allocated during the remainder of the current biennium.

During the quarter, ten project-specific board actions were heard in open sessions. Five construction contracts were awarded by the Board during the reporting period with a total contract amount of approximately \$11.9 million. During the same time, a total of approximately \$30.3 million in contract earnings were recorded, reflecting construction progress on projects such as Diamond Valley Lake Floating Wave Attenuator Replacement; Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings; Inland Feeder Badlands Tunnel Surge Protection Facility; Inland Feeder/Rialto Pipeline Intertie; and Weymouth Water Treatment Plant Basins Nos. 5-8 and Filter Building No. 2 Rehabilitation.

Staff continues to manage over 500 CIP projects and project spending in this and future budget cycles. Some of the major construction projects that could potentially be started in the next three years include Phase 2 Design Build of the Sepulveda Feeder Pump Stations, Sepulveda Feeder PCCP Rehabilitation – Reaches 2 and 9, CRA Sump System Rehabilitation, Garvey Reservoir Rehabilitation – Stage 1, Foothill/Inland Feeder Intertie, Lakeview Pipeline Relining – Stage 2, and numerous zero emissions fleet infrastructure and security projects. Staff planned an October 2025 board action to increase the CIP by \$30 million, which would increase the CIP appropriation to \$666.48 million. The increase is needed to ensure the timely execution of essential refurbishment and replacement projects, which reduce Metropolitan's risk exposure and maintain the reliability of its aging critical infrastructures.

Staff continued with the CIP budget preparation and is planning to complete the proposed draft CIP during the next reporting period. The majority of projects are refurbishment and replacement (R&R) projects, and in each biennium, approximately 100 new projects are proposed.

Board Action Summary

During the 1st Quarter, board actions heard in open session included ten CIP project-specific actions summarized in Table 1 below. These actions awarded five contracts totaling approximately \$11.9 million; authorized three new professional/technical services agreements totaling approximately \$2.1 million; authorized increases to two existing professional/technical services agreements totaling approximately \$1.1 million; authorized approximately \$53.0 million increase to an existing design-build services agreement; and authorized an unplanned project. The table below excludes information on any board items heard in closed session.

Table 1: 1st Quarter Board Actions

Month	Board Letter Item No.	Project	Action Taken
July	7-2	Jensen Washwater Reclamation Plant Flocculation Basin Refurbishment	Awarded a \$1,718,000 construction contract

Month	Board Letter Item No.	Project	Action Taken
July	8-2	Sepulveda Feeder Pump Stations – Phase 2 ¹	Authorized an amendment to an existing design-build agreement for design-build services to initiate Phase 2, including an increase of \$52,960,000, and authorized a total increase of \$1,106,000 to two existing agreements
August	7-1	MyWarehouse Shopping Cart Replacement	Authorized an agreement not-to-exceed \$473,640
August	7-3	San Jacinto Diversion Structure Slide Gate Rehabilitation	Awarded a \$1,454,000 construction contract
August	7-4	San Gabriel Tower Improvements ²	Awarded a \$370,900 construction contract
September	7-2	MWD IntraMet Redesign	Authorized an agreement not-to-exceed \$722,500
September	7-3	WiFi Upgrade – Riverside Sites	Awarded a \$334,791 construction contract
September	7-4	Network Visibility and Situational Awareness Upgrades	Authorized an agreement not-to-exceed \$920,000
September	7-5	Palos Verdes Reservoir Helicopter Dip Tank Facility	Authorized an unplanned project
September	7-10	Mills Plant Fiber Conduit Installation	Awarded a \$7,988,000 construction contract

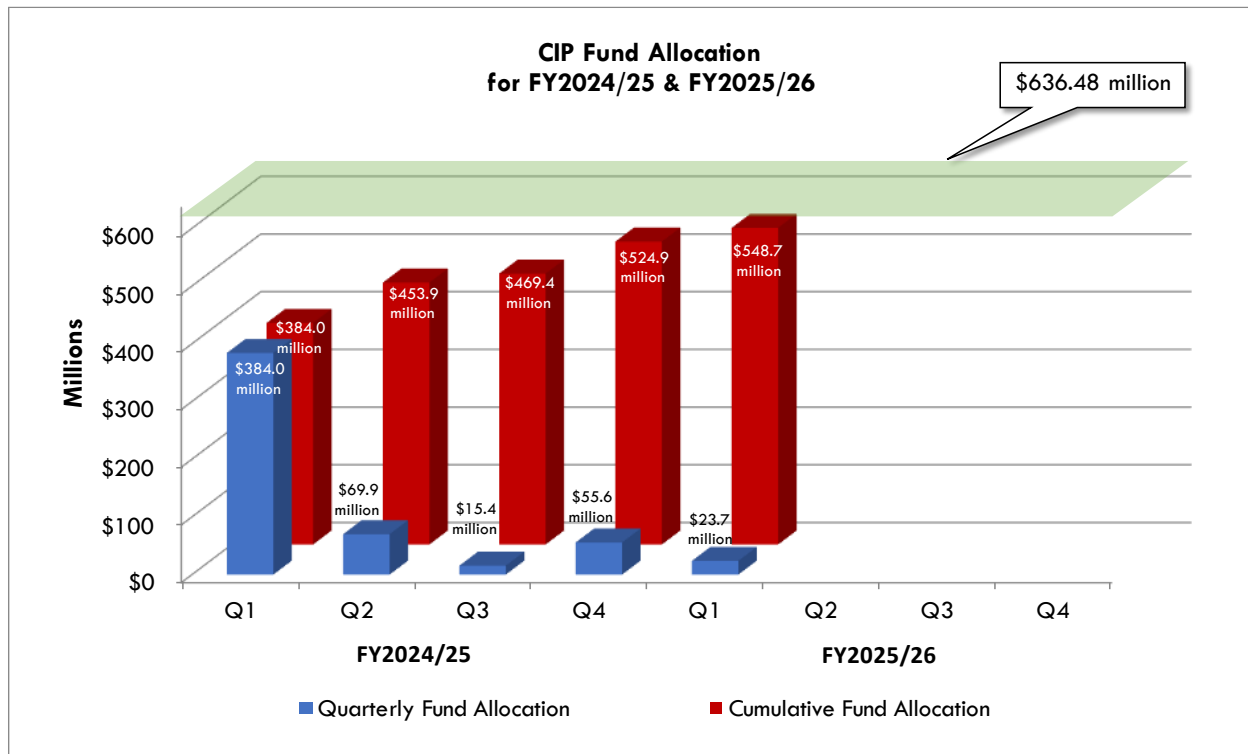
The previously referenced April 2024 board action appropriated a total of \$636.48 million to perform work on planned CIP projects through the current biennium. To be considered a planned project, the project must be identified and described in the CIP Appendix for the two-year budget cycle. Consistent with the April 2024 action, all requests to allocate funds and proceed with planned CIP projects are reviewed and approved by the Chief Engineer acting under the General Manager’s authority. Unplanned projects, those that are not already identified in the CIP Appendix, require a separate board authorization. During the 1st Quarter, the Board amended the CIP to include one new CIP project, Palos Verdes Reservoir Helicopter Dip Tank Facility.

¹ The initial release of Phase 2 work includes completion of design for Venice and Sepulveda Canyon pressure control facilities, construction of all facilities at the Venice site, and demolition work at the Sepulveda Canyon site.

² The construction contract’s scope includes removing the existing gate frames and locating the existing steel reinforcing bars.

Figure 2 shows the allocation of the funds from Appropriation No. 15535 for this quarter and a total for the current biennium through the quarter, which is approximately \$548.7 million, leaving approximately \$87.8 million to be allocated during the remainder of the current biennium. This amount includes the allocation of \$10 million to the Minor Capital Projects Program. During the 1st Quarter, approximately \$22.7 million was allocated for new work authorized, and approximately \$1.0 million was reallocated from the CIP Appropriation No. 15535 to projects that had prior authorizations. Details of the allocations and reallocations of funds during the reporting quarter can be found in the **Project Actions** section.

Figure 2: CIP Fund Allocation from Appropriation No. 15535 – FY 2024/25 and FY 2025/26



*Numbers may not sum due to rounding.

Information on construction and procurement contracts activities for the 1st Quarter of FY 2025/26 is presented in the **Construction and Procurement Contracts** section of this report. The total progress earnings for these contracts in the 1st Quarter totaled approximately \$30.3 million and primarily reflect construction progress on Diamond Valley Lake Floating Wave Attenuator Replacement; Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings; Inland Feeder Badlands Tunnel Surge Protection Facility; Inland Feeder/Rialto Pipeline Intertie; and Weymouth Water Treatment Plant Basins Nos. 5-8 and Filter Building No. 2 Rehabilitation.

Planned Expenditure and Budget

Table 2 below shows the planned and actual expenditures for the biennium through the end of the 1st Quarter of FY 2025/26. Figure 3 shows the forecast of expenditures through the end of the current biennium, against planned expenditures for the same time interval. Actual expenditures through the 1st Quarter of FY 2025/26 were approximately 101% of planned expenditures.

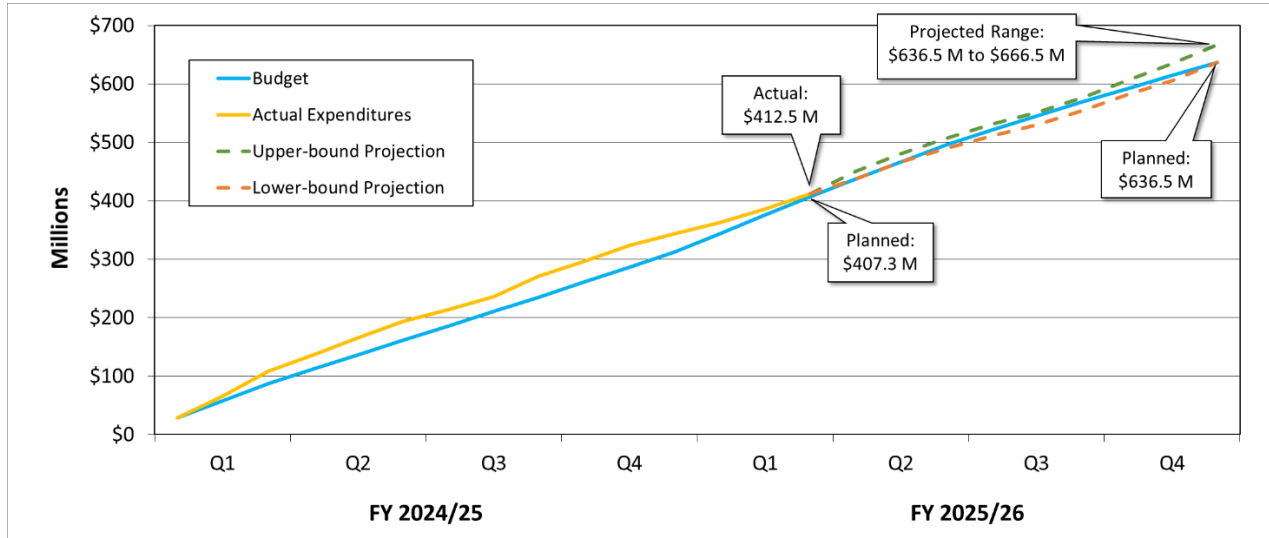
Table 2: Planned & Actual Expenditures for FYs 2024/25 & 2025/26

Quarter	Planned Expenditures (millions)	Actual Expenditures ³ (millions)
FY 2024/25, Q1	\$87.2	\$107.7
FY 2024/25, Q2	\$74.3	\$86.0
FY 2024/25, Q3 ⁴	\$73.9	\$77.7
FY 2024/25, Q4	\$76.6	\$72.4
FY 2025/26, Q1	\$95.3	\$68.6
Totals	\$407.3	\$412.5

³ Excludes expenditures covered by grants for drought mitigation projects and numbers may not sum due to rounding.

⁴ The CIP Quarterly Report for the 3rd Quarter of FY 2024/25 reported \$77.8 million in CIP expenditures for Q3, which was amended to \$77.7 million in 4th Quarter of FY 2024/25. This adjustment is necessary to remove overhead charges that were added to Direct Potable Reuse Demonstration Facility grant billable and matching fund projects' expenditures.

Figure 3: Current Biennium – Planned, Actual & Forecasted Expenditures



As shown in Figure 3, the total planned expenditures in the current biennium are \$636.48 million. The projected expenditures for the biennium are currently projected to be between \$636.5 million and \$666.5 million, with the actual expenditures approximately 1% higher than the planned expenditures through the 1st Quarter of FY 2025/26.

Funding of Infrastructure Projects with Outside Sources

This section provides information on select grants and other outside sources of funds that Metropolitan receives to support infrastructure projects. The expenditures related to these outside funding sources are described below and will be updated in subsequent quarters as the funds are received and expenditures are recorded.

Pure Water Southern California

In December 2022, Metropolitan's Board authorized the General Manager to use \$80 million in project funding from the State Water Resources Control Board (SWRCB) to commence activities related to the initiation of the Pure Water Southern California program. Metropolitan received the \$80 million funding in one lump sum payment on May 24, 2023, to support the design activities for the program. Funds are available for expenditure until June 30, 2026. The use of these funds is not included as part of Metropolitan's CIP expenditures. Through the reporting quarter, approximately \$43.4 million has been used to support program management tasks, including the preparation of various plans for program implementation and preliminary design of the initial two reaches of the conveyance pipelines.

Metropolitan is currently discussing with the program partners, Southern Nevada Water Authority (SNWA) and Arizona Department of Water Resources, to determine their potential contributions to the program. Los Angeles County Sanitation Districts (LACSD) has agreed to be responsible for implementation of the pretreatment and nitrogen management facilities, which includes the membrane bioreactor (MBR). The amended and restated agreement with LACSD was authorized on September 9, 2024. Metropolitan is currently discussing with other program partners to determine their potential contributions to the program.

The U.S. Bureau of Reclamation (USBR) awarded a \$5 million WaterSMART grant to Metropolitan in 2023. The grant agreement was finalized in May 2024. A three-time matching fund is required for this grant. Metropolitan also received a notice of intent to award a Large-Scale Water Recycling Project (LSWRP) grant in May 2024, which will reimburse 25 percent of the planning and design costs up to \$99,199,096 through the grant term. In November 2024, Metropolitan again received a notice of intent to award an LSWRP grant in the amount of \$26,273,759, for a total LSWRP grant amount of \$125,472,855. Metropolitan will share the LSWRP grant with LACSD, who will provide their share of the matching funds. The Board authorized the acceptance of the grant award on December 10, 2024, and USBR executed the grant agreement on January 10, 2025. The agreement allows Metropolitan to include program-related expenditures for reimbursement from April 2020, when the feasibility study was submitted. Metropolitan has submitted invoices for both grants and has received \$3.6 million from the WaterSMART grant and \$17.4 million from the LSWRP grant through the reporting period.

Drought Mitigation Projects

In December 2022, Metropolitan's Board adopted a resolution to accept \$50 million in state funding from the California Department of Water Resources to support Metropolitan's drought mitigation projects. The Board also designated the Group Manager of Engineering Services to be the signatory to execute actions related to the funds. The California Department of Water Resources (DWR) will administer the funds and release the reimbursement after Metropolitan invoices expenses. The \$50 million fund is available for reimbursement through June 30, 2026, and five percent of this amount may be used for administrative costs by DWR. From the state-allocated amount, it allocated to Metropolitan \$47.5 million to improve and expand its infrastructure to be more resilient and flexible to respond to fluctuating water supplies. The improved system will enhance the ability to convey water throughout all its service area. Under this grant, staff will be required to submit invoices to DWR to receive reimbursement for expenditures that comply with the grant requirements. To date, three projects on the east side of Metropolitan's system are covered under this grant. These three projects are part of an overall plan to provide direct delivery of Diamond Valley Lake (DVL) supplies to the Rialto Pipeline. During the reporting quarter, a progress report and invoices for the quarter were submitted and approved by DWR for \$2.0 million. As of September 2025, a total of \$40.2 million in reimbursement has been received from the State for the three projects. This funding allows additional rehabilitation projects to proceed as a result of applying state grant funds towards the applicable CIP projects.

In November 2023, Metropolitan submitted a grant application to USBR requesting \$5 million to support Inland Feeder/SBVMWD Foothill Pump Station project as part of water supply reliability improvements in the Rialto Pipeline service area. USBR offers funding through its WaterSMART Drought Response Program: Drought Resiliency Projects for Fiscal Year 2024 to water districts in the Western United States to increase water supply reliability through investments in existing infrastructure and increased water management flexibility. The USBR program funds up to \$5 million per project for projects that can be completed within three years. This funding allows additional rehabilitation projects to proceed as a result of applying the grant funds towards the applicable CIP projects. The grant requires a

50 percent cost-sharing. If the grant award is \$5 million, Metropolitan would provide at least the same amount (\$5 million). The source of the cost-share funds is budgeted CIP funds planned to be spent on the project and will fulfill Metropolitan's grant matching funds requirement. The total cost of this project is estimated to be \$34 million. During the reporting quarter, USBR has officially initiated consultation with the federal permitting agency, United States Fish and Wildlife Service (USFWS), and relayed all responses to the permitting agency's questions on Metropolitan's behalf.

Battery Energy Storage System Projects

In October 2020, Metropolitan's Board authorized adding battery energy storage system (BESS) projects to the CIP to enhance the efficiency of Metropolitan's long-term power use, provide a hedge against projected electricity price increases, and improve the resiliency of the electric power supply at the Jensen, Skinner, and Weymouth Water Treatment Plants. This decision was aided by the California Public Utilities Commission's enhanced incentives for microgrid-capable BESS at critical facilities, which are expected to reimburse Metropolitan for \$8.147 million of project costs. Weymouth BESS construction was completed in January 2025 and commissioning & startup are expected to be completed in the second quarter of FY 2025/26. Jensen and Skinner BESS constructions are currently underway. The Skinner is expected to be completed in the third quarter of FY 2025/26, and the Jensen is expected to be completed in the fourth quarter of FY 2025/26. Unlike the funds received for Pure Water discussed above, the incentive will be paid to Metropolitan in phases: 50 percent at project completion, with the remaining 50 percent paid equally over five years upon annual proof of a 5 kg CO₂/kWh reduction in greenhouse gas emissions.

Webb Tract Wetland Restoration and Rice Field Development Projects

In May 2023, Metropolitan's Board adopted a resolution to support a grant application for a \$20.9 million grant from the Sacramento-San Joaquin Delta Conservancy (Delta Conservancy), and staff signed a grant agreement with the Delta Conservancy in March 2024 that funds two projects on Webb Tract, a Metropolitan-owned island located in Contra Costa County. The two projects include construction of approximately 1,400 acres of rice fields and design, permitting, and construction of approximately 2,400 acres of wetland on the Webb Tract island. Under this grant, staff submits invoices to Delta Conservancy quarterly to receive reimbursement of expenditures that comply with the grant requirements. As of September 2025, a total reimbursement of \$1,555,758 has been received from the Delta Conservancy. On July 22, 2025, Metropolitan received concurrence from the California Department of Fish and Wildlife on its determination that the Webb Tract Wetland Restoration Project qualifies for a Statutory Exemption for Restoration Projects, thus completing the California Environmental Quality Act review process. In August 2025, Metropolitan's Board awarded an agreement to lease 2,159 gross acres to a farming partner to grow rice on Webb Tract. Wetland final design is ongoing with 90% design package completed and reviewed. Permitting is anticipated to be completed by the end of 2025 and construction is estimated to begin in spring of 2026.

Diemer Helicopter Hydrant Project

Metropolitan and the Yorba Linda Water District (YLWD) signed a memorandum of understanding outlining the commitment to jointly fund and construct a helicopter hydrant facility at the Robert B. Diemer Water Treatment Plant. The project will be partially funded by a grant of up to \$500,000 previously awarded by the United States Forest Service (USFS) to YLWD to construct the facility. Metropolitan is now a subrecipient of the grant and the grant funds will be used to defray Metropolitan's cost for the project. During the reporting quarter, Metropolitan has received \$96,347.50 from USFS. YLWD requested an extension of the grant deadline from September 2025 to March 2026 to complete post-construction activities and close-out grant documentation. A Notice of Completion (NOC) for the contract, which provided construction materials and installed reinforcing steel, was filed in August 2025. The remainder of the construction was completed, and the asset was placed into service in October 2025.

Major Capital Programs Overview

Metropolitan's CIP is structured into three levels. In descending order, they are:

- Program
- Project Group/Appropriation
- Project

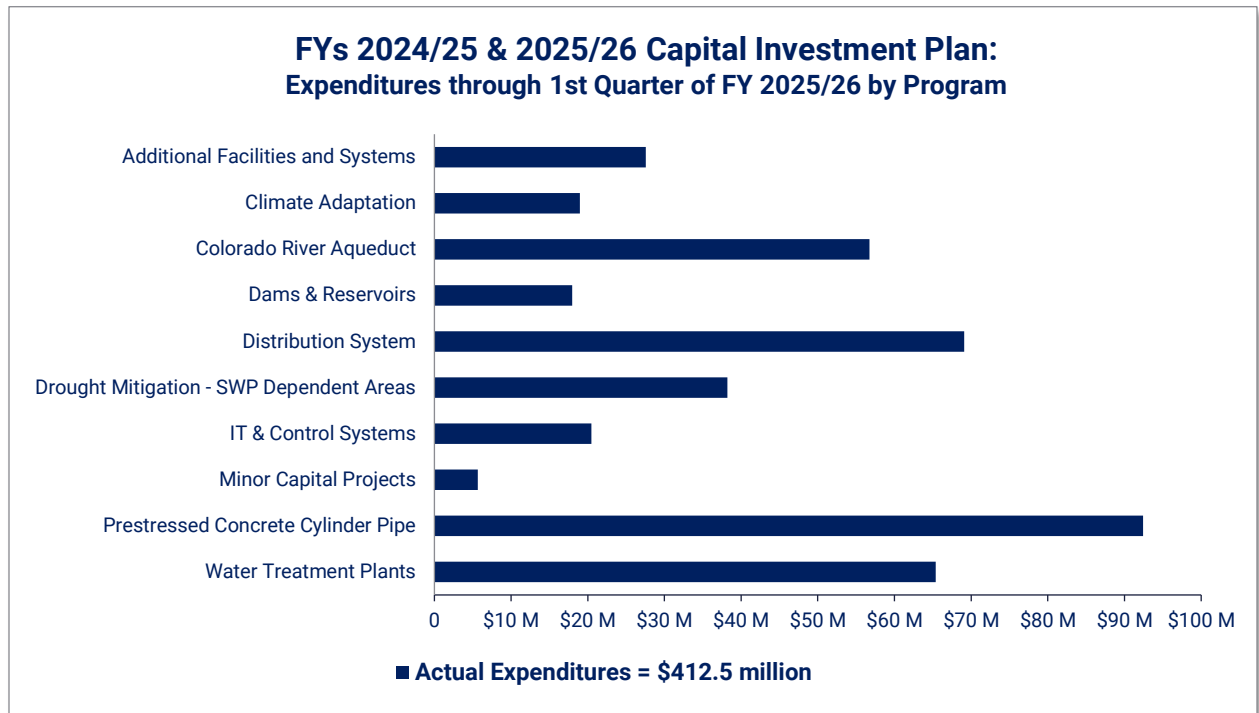
Metropolitan's CIP is comprised of 10 programs, which capture all projects within the CIP. The 10 programs are listed below in alphabetical order. Programs are comprised of one or more project groups/appropriations, and project group/appropriations are comprised of one or more projects. The status of each of the programs is provided later in this section of the report. A comparison of the program planned expenditures and actual costs to date for each of the programs is provided in Table 14 at the end of this report.

- Additional Facilities and Systems
- Climate Adaptation
- Colorado River Aqueduct (CRA)
- Dams & Reservoirs
- Distribution System
- Drought Mitigation - SWP Dependent Areas
- Information Technology (IT) & Control Systems
- Minor Capital Projects
- Prestressed Concrete Cylinder Pipe (PCCP)
- Water Treatment Plants

For the current biennium, the CIP includes over 500 planned projects (excluding minor capital projects).

Figure 4 below shows actual expenditures for the 10 capital programs for 1st Quarter of FY 2025/26.

Figure 4: Biennium-to-date Actual Expenditures through 1st Quarter FY 2025/26



Major Capital Project Programs – Highlights

This section provides 1st Quarter highlights for the nine Major Capital Projects Programs; the Minor Capital Projects Program is highlighted in its own section of this report. Status is provided for selected projects within each Major Capital Projects Program. The selected projects typically achieved major milestones during the 1st Quarter of FY 2025/26 or are scheduled to achieve major milestones in the next quarter.

Table 3: Major Capital Projects Programs

Program	Project
Additional Facilities and Systems	Diamond Valley Lake Floating Restroom and Boat Dock Replacement
Climate Adaptation	Battery Energy Storage Systems
Colorado River Aqueduct (CRA)	CRA Pumping Plant Sump System Rehabilitation
Dams & Reservoirs	Diamond Valley Lake Secondary Inlet Sleeve Valve Refurbishment
Distribution System	Hollywood Tunnel North Portal Control Structure Upgrades
Drought Mitigation - SWP Dependent Areas	Inland Feeder/SBVMWD Foothill Pump Station Intertie
Information Technology (IT) & Control Systems	Desert Microwave Tower Sites Upgrade
Prestressed Concrete Cylinder Pipe (PCCP)	Sepulveda Feeder PCCP Rehabilitation – Reach 2
Water Treatment Plants	Weymouth Basins Nos. 5-8 and Filter Building No. 2 Rehabilitation

Additional Facilities and Systems Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2025)
\$27.59 million

Program Information: The Additional Facilities and Systems Program is composed of projects to refurbish, replace, upgrade, or provide new facilities and systems that support Metropolitan's business and operations.

Program Highlights (1st Quarter)

Accomplishments

- Continued construction for the following projects:
 - Diamond Valley Lake Floating Wave Attenuator System Improvements – Stage 2
 - La Verne Shops Upgrades – Stage 5: Building Completion
- Continued final design of the following projects:
 - Diamond Valley Lake East Marina Utilities
 - Eagle Rock Security Upgrade – Stage 1
 - Michael J. McGuire Water Quality Laboratory Upgrades
- Continued preliminary design of the following projects:
 - Apprentice Training Center Facility
 - CRA Aircraft Facility Improvement – Stage 1
 - Desert Housing and Property Improvements
 - Headquarters Building Automation System Upgrades
 - Headquarters HVAC System Rehabilitation
 - La Verne Shops Upgrades – Stage 6
- Continued study of the following project:
 - CRA Aircraft Facility Improvements – Stage 2

Upcoming Activities

Upcoming work for the next quarter will include:

- Complete construction of the following project:
 - Diamond Valley Lake Floating Wave Attenuator System Improvements – Stage 2
- Continue construction for the following project:
 - La Verne Shops Upgrades – Stage 5: Building Completion
- Advertise construction contracts for the following projects:
 - Diamond Valley Lake Floating Restroom and Boat Dock Replacement
 - Lake Mathews Aboveground Storage Tank Replacement
- Continue final design of the following projects:
 - Diamond Valley Lake East Marina Utilities
 - Eagle Rock Security Upgrade – Stage 1
 - Michael J. McGuire Water Quality Laboratory Upgrades
- Continue preliminary design of the following projects:
 - Apprentice Training Center Facility
 - CRA Aircraft Facility Improvements – Stage 1
 - Desert Housing and Property Improvements
 - Headquarters Building Automation System Upgrades
 - Headquarters HVAC System Rehabilitation
 - La Verne Shops Upgrades – Stage 6
- Continue study of the following project:
 - CRA Aircraft Facility Improvements – Stage 2

Diamond Valley Lake Floating Restroom and Boat Dock Replacement

Total Project Estimate:
\$5.2 million

Total Project Cost to Date:
\$0.6 million

This project will rehabilitate marina facilities at Diamond Valley Lake, including the boat dock anchoring system and floating restroom facilities. Work will address galvanized steel anchor cables, connectors, anchor blocks, dock components, and other appurtenances to ensure continued operation of the boat launching facilities. In addition, new floating restroom facilities will be constructed to reduce maintenance needs, prevent potential sewage leaks into the reservoir, and maintain compliance with the Recreation Activity Plan approved by the Department of Drinking Water.

Phase	Final Design
% Complete for Current Phase	95%
Current Phase Authorized	March 2023 ⁵
Estimated Completion Date of Current Phase	March 2026

Final design drawings were submitted for final review. In the upcoming quarter, final design package will be completed and the construction bid package will be advertised.



Existing floating restroom at Diamond Valley Lake

⁵ DVL Boat Dock Anchoring System and DVL Floating Restroom Replacement were each initially authorized as individual projects for Final Design in March of 2023. The two projects were later combined into the Diamond Valley Lake Floating Restroom and Boat Dock Replacement project in March of 2025.

Climate Adaptation Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2025)
\$18.96 million

Program Information: The Climate Adaptation Program is composed of projects to replace, refurbish, upgrade, or construct new facilities to prepare Metropolitan to adjust to current and projected climate change impacts on its operation and its mission to provide its service area with adequate and reliable supplies of high-quality water in an environmentally and economically responsible way.

Program Highlights (1st Quarter)

Accomplishments

- Advanced Water Treatment Demonstration Facility
 - Continued preparation for Nitrification-Only (N-Only) tertiary membrane bioreactor (MBR) optimization testing to support the planning and design of a full-scale advanced purification facility
 - Continued reverse osmosis system modifications to support optimization testing and equipment qualification
- Battery Energy Storage Systems (BESS) at Jensen, Weymouth, and Skinner Plants
 - Continued commissioning and startup at the Weymouth plant
 - Continued construction at the Jensen and Skinner plants
- Direct Potable Reuse Demonstration (DPR) Facility
 - Advertised a procurement package for the ultra-violet disinfection and advanced oxidation process testing equipment
 - Provided an updated draft DPR testing plan to the Independent Science Advisory Panel (ISAP)
 - Continued to update regulatory agencies on the draft DPR testing plan
 - Continued development of DPR pilot testing and site improvement plans
 - Continued preparation of the remaining procurement packages for DPR pilot testing equipment
- Zero Emission Vehicle Fleet Infrastructure
 - Districtwide Zero Emission Fleet Infrastructure
 - Continued development of the enhanced programmatic planning and study documents for the remaining sites
 - Headquarters Building Zero Emission Vehicle Infrastructure Upgrades – Stage 1
 - Continued final design and coordination with Los Angeles Department of Water and Power (LADWP)
 - Zero Emission Fleet Pilot Infrastructure – Stage 1
 - Completed installation, testing, commissioning, and integration of pilot chargers at the Weymouth plant and the Headquarters Building
 - Zero Emission Fleet Pilot Infrastructure – Stage 2, Phase 1
 - Continued design, procurement, and installation of Level 2/2+ and Level 3 charging stations at the five water treatment plants, Gene Pumping Plant, DVL, Lake Mathews, and Soto Street Facility

Upcoming Activities

Upcoming work for the next quarter will include:

- Advanced Water Treatment Demonstration Facility
 - Complete preparation for N-Only tertiary MBR optimization testing to support the planning and design of a full-scale advanced water purification facility
 - Complete reverse osmosis system modifications to support optimization testing and equipment qualification
- Battery Energy Storage Systems at Jensen, Weymouth, and Skinner Plants
 - Complete commissioning and start-up at the Weymouth plant
 - Continue construction at the Jensen and Skinner plants
- Direct Potable Reuse Demonstration Facility
 - Advertise remaining procurement packages for DPR testing equipment
 - Continue development of DPR pilot testing and site improvement plans
 - Continue to update regulatory agencies on draft DPR testing plan
- Zero Emission Vehicle Infrastructure Upgrade projects:
 - Districtwide Zero Emission Fleet Infrastructure
 - Continue the enhanced programmatic planning and study documents for the remaining sites
 - Headquarters Building Zero Emission Vehicle Infrastructure Upgrades – Stage 1
 - Continue final design and coordination with LADWP
 - Weymouth Zero Emission Vehicle Infrastructure Upgrades
 - Complete the enhanced programmatic planning and study document for the Weymouth plant
 - Initiate a new electric service agreement with a utility provider
 - Zero Emission Fleet Pilot Infrastructure – Stage 2, Phase 1
 - Continue design, procurement, and installation of Level 2/2+ and Level 3 charging stations at the five water treatment plants, Gene Pumping Plant, DVL, Lake Mathews, and Soto Street facility
 - Initiate design and procurement of additional batch level 2/2+ charging stations at Jensen, Skinner, and Weymouth plants.
 - Investigate potential battery charger units or charge-as-a-service at Soto Street facility, Hinds Pumping Plant, and Lake Mathews.

Battery Energy Storage Systems

Total Project Estimate:
\$28.4 million

Total Project Cost to Date:
\$27.4 million

This project will install battery energy storage systems (BESS) at three locations: (1) one-megawatt (MW) BESS at the Jensen plant, (2) one-MW BESS at the Skinner plant, and (3) one-MW BESS at the Weymouth plant. The project is eligible for participation in the Self-Generation Incentive Program (SGIP).

Phase	Construction
% Complete for Construction at Jensen and Skinner	93%
% Complete for Construction at Weymouth	99%
Contract Award Date for Jensen and Skinner	September 2021
Contract Award Date for Weymouth	June 2022
Estimated Construction Completion Date for Jensen and Skinner	April 2026
Estimated Construction Completion Date for Weymouth	December 2025
Contract Number for Jensen and Skinner	1998
Contract Number for Weymouth	2014

The contractor completed installation of the fiber optic cables from the BESS equipment to the MWD network patch panel and fire line riser at the Jensen plant. Commissioning and start-up for the Weymouth plant were continued. In the upcoming quarter, the contractor will modify Unit Substation 27B to conform to the LADWP standards and install protective relay panels for the Jensen plant. Fire line riser installation will be completed at the Skinner plant, and start-up will be completed at the Weymouth plant.



BESS enclosures at the Weymouth plant

Colorado River Aqueduct (CRA) Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2025)
\$56.73 million

Program Information: The CRA Program is composed of projects to replace or refurbish facilities and components of the CRA system to reliably convey water from the Colorado River to Southern California.

Program Highlights (1st Quarter)

Accomplishments

- Continued construction activities for the following projects:
 - CRA Domestic Water Treatment System Upgrades at all five pumping plants
 - Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings
- Continued equipment procurement for the following projects:
 - Gene Pumping Plant Unit No. 1 Brushless Motor Exciter System
 - Intake and Gene Pumping Plants Transformer Bushings and Pressure Device Replacements
- Initiated procurement of the following project:
 - CRA High-Voltage Transformers Replacement
- Continued final design of the following projects:
 - Black Metal Mountain 2.4 kV Electrical Power Upgrades
 - Cabazon Radial Gates Facility Improvements
 - Copper Basin Reservoir Discharge Valve Structure Rehabilitation
 - CRA Conduit Erosion Control Improvements
 - CRA Desert Region Security Improvements – Stage 1
 - CRA Pumping Plant Sump System Rehabilitation
 - CRA Pumping Plants Main Pump Access Improvements
 - Gene & Iron Pumping Plants Utilities Replacement
 - Iron Mountain Station Light & Power Electrical Improvements
 - Intake Transformer Bank Protection Relays Replacement
- Initiated final design for the following project:
 - CRA High-Voltage Transformers Replacement
- Completed preliminary design of the following projects:
 - CRA 230kV Transmission Tower Barrier Improvements
 - Hinds Pumping Plant Discharge Valve Platform Replacement
- Continued preliminary design of the following projects:
 - CRA Desert Region Security Improvements – Stage 2
 - CRA Pumping Plant Delivery Lines Rehabilitation
 - Iron Mountain Tunnel Rehabilitation
- Completed study of the following project:
 - CRA 230 kV Transmission Line Rehabilitation and Improvements – east transmission line
- Continued study of the following project:
 - CRA Main Pump Motor Rehabilitation - rehabilitation options for pump units and their ancillary support systems for all five pumping plants

Upcoming Activities

Upcoming work for the next quarter will include:

- Continue construction activities planned for the following projects:
 - CRA Domestic Water Treatment System Upgrades at all five CRA pumping plants
 - Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings
- Continue procurement for the following projects:
 - CRA High-Voltage Transformers Replacement
 - Gene Pumping Plant Unit No. 1 Brushless Motor Exciter System
 - Intake and Gene Pumping Plant Transformer Bushings and Pressure Device Replacements
- Award construction contract of the following project:
 - Eagle & Hinds Pumping Plants Utilities Replacement
- Continue final design of the following projects:
 - Black Metal Mountain 2.4 kV Electrical Power Upgrades
 - Cabazon Radial Gates Facility Improvements
 - Copper Basin Reservoir Discharge Valve Structure Rehabilitation
 - CRA Conduit Erosion Control Improvements
 - CRA Desert Region Security Improvements – Stage 1
 - CRA High-Voltage Transformers Replacement
 - CRA Pumping Plant Sump System Rehabilitation
 - CRA Pumping Plants Main Pump Access Improvements
 - Gene & Iron Pumping Plants Utilities Replacement
 - Intake Transformer Bank Protection Relays Replacement
 - Iron Mountain Station Light & Power Electrical Improvements
- Initiate final design of the following projects:
 - CRA 230kV Transmission Tower Barrier Improvements
 - Hinds Pumping Plant Discharge Valve Platform Replacement
- Continue preliminary design of the following projects:
 - CRA Desert Region Security Improvements – Stage 2
 - CRA Pumping Plant Delivery Lines Rehabilitation
 - Iron Mountain Tunnel Rehabilitation
- Continue study of the following project:
 - CRA Main Pump Motor Rehabilitation - rehabilitation options for pump units and their ancillary support systems for all five pumping plants; and identification of urgently needed short-term rehabilitation efforts.
- Initiate comprehensive investigations of the following project:
 - CRA 230 kV Transmission Line Rehabilitation and Improvements

CRA Pumping Plant Sump System Rehabilitation

Total Project Estimate:
\$63.0 million

Total Project Cost to Date:
\$25.5 million⁶

This project will rehabilitate the pumping plant sump systems, including replacement of corroded sump mechanical equipment, piping, and access structures at all five CRA pumping plants. This project will also rehabilitate circulating water equipment and piping systems and replace corroded catwalks, ladders, and handrails within the sumps.

Phase	Final Design
% Complete for Current Phase	98%
Current Phase Authorized	August 2021 ⁶
Estimated Completion Date of Current Phase	April 2026

Completed final design drawings and continued preparation of specifications. In the upcoming quarter, the specifications will be finalized, and the construction bid package will be ready for advertisement.



Circulating water and sump pumps at Iron Mountain Pumping Plant

⁶ The Board awarded a construction contract in December 2018 to rehabilitate the sump system, but the contract was suspended in March 2020 under Metropolitan's response to COVID-19 and was later completed only with a limited scope. The final design was authorized in August 2021 to revise the design document used for the construction contract awarded in December 2018 to complete the sump system rehabilitation.

Dams and Reservoirs Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2025)
\$17.95 million

Program Information: The Dams & Reservoirs Program is comprised of projects to upgrade or refurbish Metropolitan's dams, reservoirs, and appurtenant facilities to reliably meet water storage needs and regulatory compliance.

Program Highlights (1st Quarter)

Accomplishments

- Diamond Valley Lake Dam Monitoring System Upgrades
 - Continued replacement of instrumentation and automatic data acquisition equipment
 - Continued database development for data reporting, visualization, and analysis
- Diamond Valley Lake Secondary Inlet Sleeve Valve Refurbishment
 - Completed inlet sleeve valve and piping installation
 - Completed testing of new programmable logic controller system
- Garvey Reservoir Rehabilitation – Stage 1
 - Completed final design and advertised a construction bid package
- Lake Skinner Dam Drainage System Improvements
 - Completed construction and filed NOC
- Lake Skinner Outlet Tower Seismic Upgrade
 - Continued detailed seismic evaluation of the outlet tower

Upcoming Activities

Upcoming work for the next quarter will include:

- Diamond Valley Lake Dam Monitoring System Upgrades
 - Complete instrumentation and automatic data acquisition equipment installation
 - Complete database development
- Diamond Valley Lake Secondary Inlet Sleeve Valve Refurbishment
 - Complete flow testing of the refurbished valve and initiate project close-out
- Garvey Reservoir Rehabilitation – Stage 1
 - Award construction contract
- Lake Skinner Outlet Tower Seismic Upgrade
 - Complete detailed seismic analysis

Diamond Valley Lake Secondary Inlet Sleeve Valve Refurbishment

Total Project Estimate:

\$1.9 million

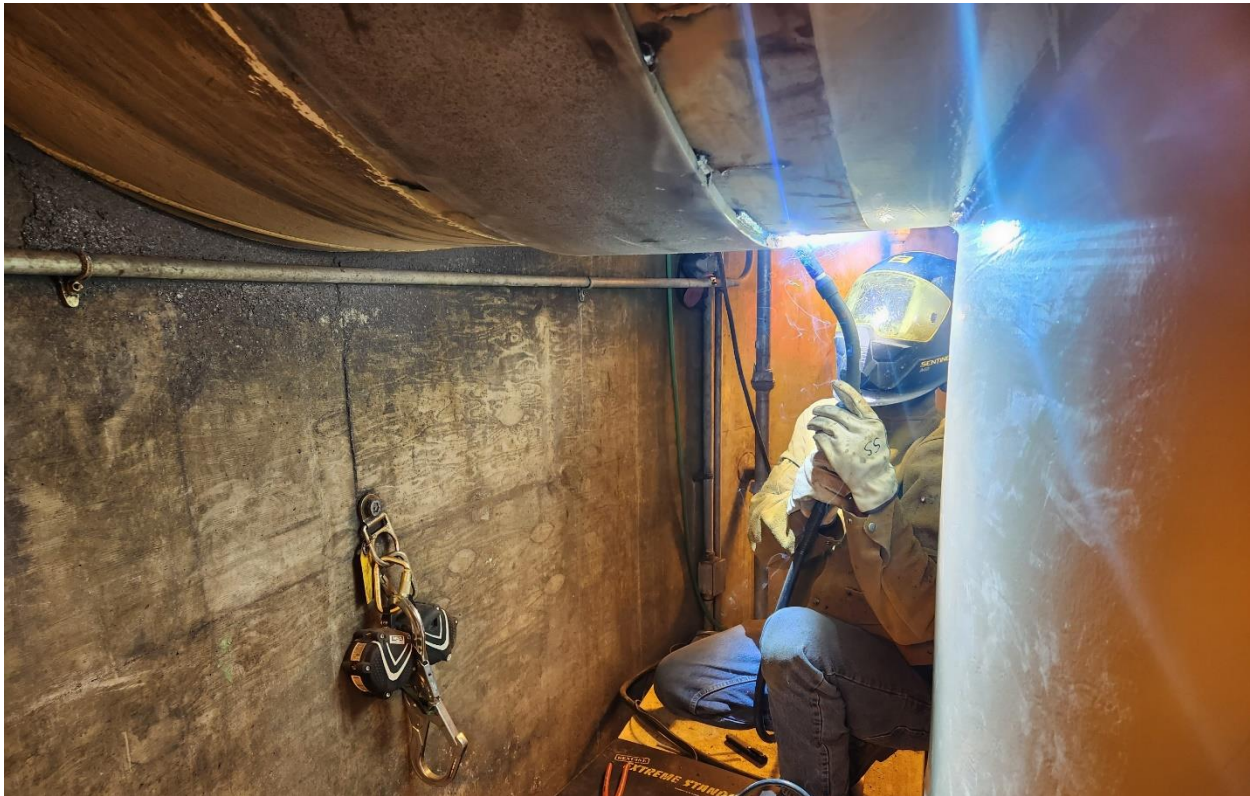
Total Project Cost to Date:

\$1.7 million

The project will disassemble, refurbish, and re-installation 72-inch diameter sleeve valve at the DVL Secondary Inlet. The project scope includes fabrication of new components, replacement of internal seals, gasket and specialty fasteners, and sandblasting and recoating of valve bodies and cylinder gates. The project will also replace the existing programmable logic controller (PLC) system and test and commission the refurbished valve.

Phase	Final Design & Met Force Construction
% Complete for Current Phase	99%
Current Phase Authorized	February 2024
Estimated Completion Date of Current Phase	October 2025

Met Force completed inlet sleeve valve and piping installation, and new PLC system test. In the upcoming quarter, flow testing of the refurbished valve will be conducted, and project close-out will begin.



Welding of 72-inch sleeve valve pipe joint at the DVL Secondary Inlet

Distribution System Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2025)
\$69.10 million

Program Information: The Distribution System Program is comprised of projects to replace, upgrade, or refurbish existing facilities within Metropolitan's distribution system, including pressure control structures, hydroelectric power plants, and pipelines, to reliably meet water demands.

Program Highlights (1st Quarter)

Accomplishments

- Awarded construction contract for the following projects:
 - San Gabriel Tower Improvements – removing existing gate frames and locating steel reinforcing bars
 - San Jacinto Diversion Structure Slide Gate Rehabilitation
- Continued procurement for the following projects:
 - Auld Valley and Red Mountain Pressure Control Structure Upgrades – a 42-inch stainless steel sleeve valve for the Red Mountain Pressure Control Structure
 - East Lake Skinner Bypass Slide Gates Replacement
 - Hollywood Tunnel North Portal Control Structure Upgrades
 - Lakeview Pipeline Relining – Stage 2
 - Orange County Area Pressure Control Structure Globe Valve Replacement
 - Rio Hondo Pressure Control Structure Valve Replacement – Stage 1
 - San Jacinto Diversion Structure Slide Gate Rehabilitation
- Continued final design of the following projects:
 - Auld Valley and Red Mountain Pressure Control Structures Upgrades
 - Hollywood Tunnel North Portal Pressure Control Structure Upgrades

Upcoming Activities

Upcoming work for the next quarter will include:

- Continue construction for the following projects
 - San Gabriel Tower Improvements – removing existing gate frames and locating steel reinforcing bars
 - San Jacinto Diversion Structure Slide Gate Rehabilitation
- Complete procurement for the following project:
 - Lakeview Pipeline Relining – Stage 2
- Continue procurement for the following projects:
 - Auld Valley and Red Mountain Pressure Control Structure Upgrades – a 42-inch stainless steel sleeve valve for the Red Mountain Pressure Control Structure
 - East Lake Skinner Bypass Slide Gates Replacement
 - Hollywood Tunnel North Portal Pressure Control Structure Upgrades
 - Orange County Area Pressure Control Structure Globe Valve Replacement
 - Rio Hondo Pressure Control Structure Valve Replacement – Stage 1
 - San Jacinto Diversion Structure Slide Gate Rehabilitation
- Continue final design of the following projects:
 - Auld Valley and Red Mountain Pressure Control Structures Upgrades
 - Hollywood Tunnel North Portal Pressure Control Structure Upgrades

Hollywood Tunnel North Portal Control Structure Upgrades

Total Project Estimate:

\$13.1 million

Total Project Cost to Date:

\$2.6 million

This project will replace the existing sleeve valves and hydraulic actuators at the North Portal of the Hollywood Tunnel with new control valves with electric actuators. The upgrade includes replacing the mechanical controls with electronic controls tied to SCADA system, which will allow the facility to be monitored and controlled from the Eagle Rock Operations Control Center. This project will also replace isolation valves, control valves for the bypass, install new electrical service to support the load necessary for the new control systems, and other improvements necessary to upgrade and rehabilitate the equipment and support systems.

Phase	Final Design & Procurement
% Complete - Final Design	90%
% Complete - Procurement	40%
Final Design Authorized	July 2022
Procurement Contract Award	March 2025
Estimated Final Design Completion Date	April 2026
Estimated Procurement Completion Date	September 2026
Procurement Contract Number	2099

Continued final design of the facility upgrades. Continued submittal review for valve procurement, began valve fabrication, and began on-site inspection of the sleeve valve components. In the upcoming quarter, final design and valve procurement will continue. A constructability review workshop of the final design is planned.



Fabrication of stainless-steel sleeve valve components at the Spuncast facility in Watertown, Wisconsin

Drought Mitigation - SWP Dependent Areas Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2025)
\$38.23 million

Program Information: The Drought Mitigation – SWP Dependent Areas Program is comprised of projects to replace, refurbish, upgrade, or construct new facilities, which are identified to mitigate the vulnerability experienced by specific member agencies that are impacted during shortages on the State Water Project supplies.

Program Highlights (1st Quarter)

Accomplishments

- Badlands Tunnel Surge Protection Facility
 - Completed installation of electrical equipment
- Inland Feeder/Rialto Pipeline Intertie
 - Continued installation of electrical components
- Inland Feeder/San Bernardino Valley Municipal Water District (SBVMWD) Foothill Pump Station Intertie
 - Continued final design and California Department of Fish & Wildlife (CDFW) permitting process
 - Initiated United States Fish and Wildlife Service (USFWS) permitting process
 - Continued procurement of a 132-inch diameter butterfly valve
- Sepulveda Feeder Pump Stations
 - Authorized progressive design-build agreement to initiate Phase 2 for the Venice Pump Station and demolition of an existing tank at the Sepulveda Canyon Control Facility
 - Continued early procurement of authorized long-lead equipment
 - Continued Phase 1 design of Sepulveda Pump Station under a progressive design-build services agreement
- Wadsworth Pumping Plant Bypass Pipeline
 - Continued installation of electrical components

Upcoming Activities

Upcoming work for the next quarter will include:

- Badlands Tunnel Surge Protection Facility
 - Complete construction
- Inland Feeder/Rialto Pipeline Intertie
 - Continue construction
- Inland Feeder/San Bernardino Valley Municipal Water District (SBVMWD) Foothill Pump Station Intertie:
 - Complete final design
 - Obtain CDFW permit
 - Continue USFWS permitting process
 - Continue National Environmental Policy Act (NEPA) document preparation and valve procurement
- Sepulveda Feeder Pump Stations
 - Continue Phase 1 progressive design-build work for Sepulveda Pump Station
 - Begin Phase 2 work on the Venice Pump Station
 - Continue procurement of long-lead equipment
 - Wadsworth Pumping Plant Bypass Pipeline
 - Continue construction

Inland Feeder/SBVMWD Foothill Pump Station Intertie

Total Project Estimate:
\$48.0 million

Total Project Cost to Date:
\$8.8 million

This project will construct an intertie between the Inland Feeder and Foothill Pump Station, which is owned and operated by San Bernardino Valley Municipal Water District (SBVMWD). The intertie will include pipelines, valve vaults with valves, electrical and control systems, and other features necessary to support the intertie operation.

Phase	Final Design Procurement
% Complete – Final Design	90%
% Complete – Procurement of two 54-inch Butterfly Valves	99% ⁷
% Complete – Procurement of one 132-inch Butterfly Valve	5%
Final Design Authorized Date	October 2022
Procurement Contract 2048 Award Date	May 2023
Procurement Contract 2096 Award Date	March 2024
Estimated Final Design Completion Date	March 2026
Procurement Contract 2048 Completion Date	June 2025
Estimated Procurement Contract 2096 Completion Date	June 2026
Procurement Contract Number for two 54-inch Butterfly Valves	2048
Procurement Contract Number for one 132-inch Butterfly Valve	2096

Final design and procurement of a 132-inch butterfly valve were continued during the reporting quarter. In addition, the United States Fish and Wildlife Service permitting process has been initiated. In the upcoming quarter, the final design and the California Department of Fish & Wildlife permitting process are anticipated to complete.



Interior of the existing SBVMWD Foothill Pump Station in the City of Highland

⁷ Procured items were delivered in June 2025, but the contract remains open pending the use of manufacturer field services.

Information Technology and Control Systems Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2025)
\$20.46 million

Program Information: The Information Technology and Control Systems Program is comprised of projects to replace, upgrade, or provide new facilities, software applications, or technology that will enhance cyber security, reliability, flexibility, and capability of information, communication, and control systems.

Program Highlights (1st Quarter)

Accomplishments

- Control System Upgrade – Phase 4
 - Awarded a construction contract to construct utility conduit ductbank and install fiber optic cables at the Mills plant
- Desert Microwave Site Tower Upgrades
 - Continued construction for network equipment installation
- Emergency Radio Communications Systems Upgrade
 - Continued preparation of request for proposal (RFP)
- Enterprise Content Management Phase II
 - Continued design
- Enterprise Data Analytics
 - Continued developing system requirements and design
- MWD IntraMet Upgrade
 - Completed RFP evaluation and authorized a professional and technical services agreement
- Oracle Database Upgrade
 - Continued database migration
- Real Property Group Business System Replacement
 - Continued user acceptance testing of the new system integration with financial system
- WiFi Implementation
 - Awarded a construction contract for Riverside region facilities
 - Continued construction for Los Angeles region facilities

Upcoming Activities

Upcoming work for the next quarter will include:

- Control System Upgrade – Phase 4
 - Begin utility conduit ductbank construction at the Mills plant
- Desert Microwave Site Tower Upgrades
 - Continue construction for network equipment installation
- Emergency Radio Communication Systems Upgrade
 - Continue preparation of RFP
- Enterprise Content Management Phase II
 - Continue design
- Enterprise Data Analytics
 - Continue developing system requirements and design
- MWD IntraMet Upgrade
 - Begin design and development
- Oracle Database Upgrade
 - Continue database migration
- Real Property Group Business System Replacement
 - Continue user acceptance testing of the new system integration with financial system
- WiFi Implementation
 - Continue construction for Los Angeles region facilities
 - Begin construction for Riverside region facilities

Desert Microwave Tower Sites Upgrade

Total Project Estimate:
\$17.9 million

Total Project Cost to Date:
\$11.6 million

This project will improve the reliability, performance, and capacity of Metropolitan's microwave radio wide area networks (WANs) in the desert region. The microwave network uses wireless transmission over radio frequency energy in the 6-18 Gigahertz range.

Phase	Construction
% Complete for Current Phase	27%
Construction Contract Award	February 2025
Estimated Construction Completion Date	February 2026
Contract Number	2062

The contractor mobilized and completed installation of microwave equipment, antennas, and waveguides for completion of seven paths out of total eighteen paths. In the upcoming quarter, the contractor will continue installation of microwave equipment, antennas, waveguides for the remaining paths. In addition, civil work at El Camino and Edom Hills sites, and generator installation at El Camino site will be performed.



Installation of microwave antenna and waveguide on existing communication tower at Eagle Mountain Pumping Plant (left) and Chuckwalla site (right)

Prestressed Concrete Cylinder Pipe (PCCP) Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2025)
\$92.43 million

Program Information: The PCCP Program is composed of projects to refurbish or upgrade Metropolitan's PCCP feeders to maintain water deliveries without unplanned shutdowns.

Program Highlights (1st Quarter)

Accomplishments

- Second Lower Feeder
 - Reach 3B – In the reporting quarter, the contractor completed punch list work at valve and flow meter vaults, continued bypass piping improvements at the Palos Verdes reservoir, and completed demobilizing field offices
- Sepulveda Feeder
 - Reach 1 – Continued final design to rehabilitate approximately 4.7 miles of Sepulveda Feeder PCCP pipeline, from just north of the Inglewood Lateral south to the West Coast Feeder, through the cities of Inglewood and Hawthorne, and unincorporated Los Angeles County.
 - Reach 2 – Completed final design and advertised construction bid package to rehabilitate approximately 3.8 miles of Sepulveda Feeder PCCP pipeline, from the Dominguez Gap Channel south to the intertie with Second Lower Feeder, through the cities of Torrance and Los Angeles.
 - Reach 9 – Continued final design of Reach 9 to rehabilitate approximately 3.7 miles of PCCP pipeline, the first construction package of the North Reach, which is necessary to support the operation of Stage 2 of the Sepulveda Feeder Pump Stations project.
 - North Reach – Continued preliminary design of the northern 20-mile portion of the Sepulveda Feeder, including both steel and PCCP portions of the pipeline and appurtenances.

Upcoming Activities

Upcoming work for the next quarter will include:

- Second Lower Feeder
 - Reach 3B – Complete enhancements of Palos Verdes Reservoir bypass pipeline.
- Sepulveda Feeder
 - Reach 1 – Continue final design
 - Reach 2 – Receive and evaluate construction bids and prepare for early 2026 Board action to award a construction contract.
 - Reach 9 – Continue final design
 - North Reach – Continue preliminary design

Sepulveda Feeder PCCP Rehabilitation – Reach 2

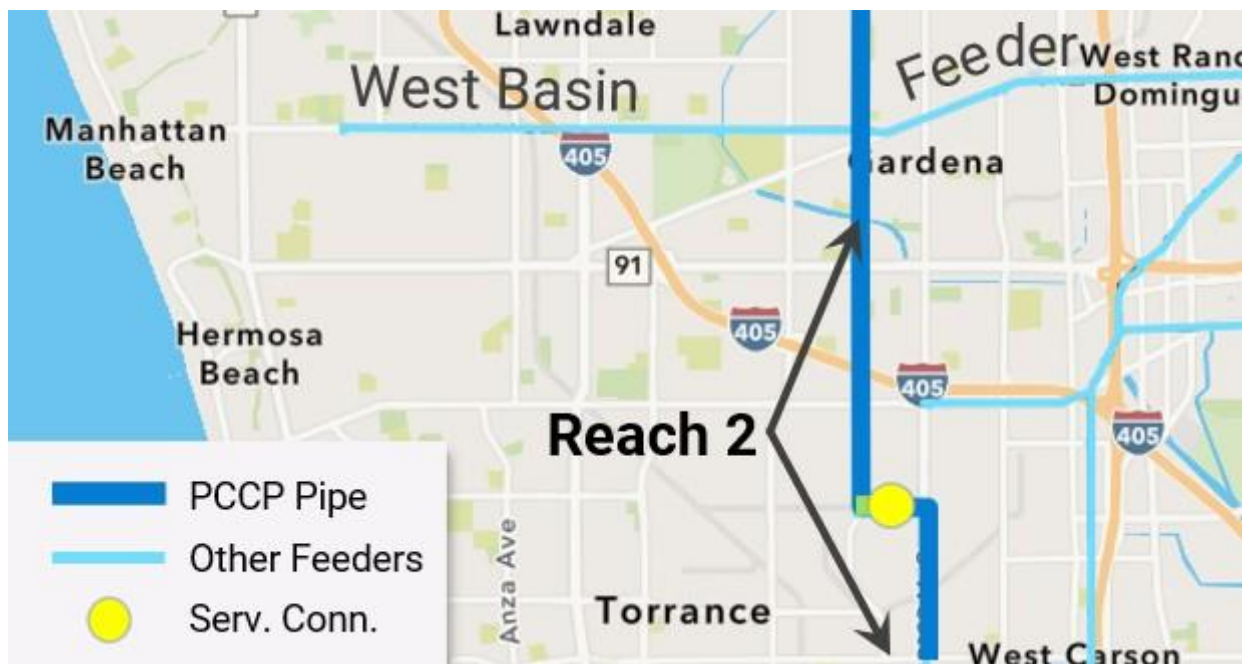
Total Project Estimate:
\$98.0 million

Total Project Cost to Date:
\$2.6 million

This project will rehabilitate approximately 3.8 miles of prestressed concrete cylinder pipe (PCCP) portions of the Sepulveda Feeder to "Like New" condition, from STA. 2066+43 to 2270+00. Rehabilitation work includes relining of the existing PCCP sections with new steel pipe; relocation of all below-grade air release and vacuum valves (AR/VVs) for cross-connection prevention; replacement of aging sectionalizing valves, service connection turnouts, pump wells, AR/VVs, shutoffs, and blowoffs valves; replacement of master meters; and other necessary modifications.

Phase	Final Design
% Complete for Current Phase	99%
Current Phase Authorized	September 2021
Estimated Completion Date of Current Phase	January 2026

Construction specifications were completed, and the bid package was advertised. In the upcoming quarter, construction bids will be received and evaluated.



Sepulveda Feeder PCCP Rehabilitation – Reach 2 project location map

Water Treatment Plants Program

Actual Biennium Expenditures
(Jul. 2024 through Sep. 2025)
\$65.37 million

Program Information: The Water Treatment Plants Program is comprised of projects to replace or refurbish facilities and components at Metropolitan's five water treatment plants and chlorine unloading facility to continue to reliably meet treated water demands.

Program Highlights (1st Quarter)

Accomplishments

- Completed procurement and construction and began commissioning and testing for the following project:
 - Diemer Helicopter Hydrant Facility
- Continued construction for the following projects:
 - Weymouth Basins Nos. 5-8 & Filter Building No. 2 Rehabilitation
 - Weymouth Hazardous Waste Staging and Containment
- Completed final design of the following projects:
 - Diemer Filter Rehabilitation
 - Jensen Plant Site Security Upgrades
 - Weymouth Administration Building Upgrades
- Began final design of the following projects:
 - Jensen Finished Water Reservoir Rehabilitation
 - Jensen Solids Mechanical Dewatering Facility
 - Mills Finished Water Reservoir Rehabilitation
- Completed preliminary design of the following project:
 - Mills Perimeter Security & Erosion Control Improvements
- Continued preliminary design of the following projects:
 - Diemer Washwater Reclamation Plant Improvements & Slope Stabilization
 - Jensen Bromate Control Upgrades
 - Jensen Modules Nos. 2 & 3 Solids Removal System Rehabilitation
 - Jensen Reservoir Bypass Gate Replacement
 - Mills Basin Solids Removal System Rehabilitation

Upcoming Activities

- Complete construction for the following projects:
 - Weymouth Basins Nos. 5-8 & Filter Building No. 2 Rehabilitation
 - Weymouth Hazardous Waste Staging and Containment
- Complete commissioning and testing for the following project:
 - Diemer Helicopter Hydrant Facility
- Award a construction contract for the following project:
 - Diemer Fluorosilicic Acid Tank Farm Improvements
- Continue final design of the following projects:
 - Jensen Finished Water Reservoir Rehabilitation
 - Jensen Solids Mechanical Dewatering Facility
 - Mills Finished Water Reservoir Rehabilitation
- Begin final design of the following project:
 - Mills Perimeter Security & Erosion Control Improvements
- Continue preliminary design of the following projects:
 - Diemer Washwater Reclamation Plant Improvements & Slope Stabilization
 - Jensen Bromate Control Upgrades
 - Jensen Modules Nos. 2 & 3 Solids Removal System Rehabilitation
 - Jensen Reservoir Bypass Gate Replacement
 - Mills Basin Solids Removal System Rehabilitation

Weymouth Basins Nos. 5-8 and Filter Building No. 2 Rehabilitation

Total Project Estimate:
\$117.0 million

Total Project Cost to Date:
\$112.8 million

This project will rehabilitate and replace the Weymouth Water Treatment Plant's Basins Nos. 5-8 major mechanical equipment, structural components, and auxiliary systems, along with seismic upgrades to the Basins Nos. 1-8 inlet channels and needed improvements, including replacement of basin inlet gates for Basins Nos. 1-8.

Phase	Construction
% Complete for Construction	98%
Construction Contract Award Date	May 2022
Estimated Construction Completion Date	October 2025
Contract Number	1982

The contractor continued the installation of filter valves and actuators in Filter Building No. 2 and began to address punch-list items. In the upcoming quarter, the contractor will complete construction activity and demobilize.



Installing a new drain valve on the north side of Filter Building No. 2

Minor Capital Projects Program

The Minor Capital Projects (Minor Cap) Program is authorized biennially to enable staff to expedite small capital projects. At the commencement of each biennium, the Board had appropriated the entire two-year budget for the program. For the current and the last biennia, the minor cap budget was included in the CIP appropriation. To be considered for inclusion in the Minor Cap Program, a project must have a planned budget of less than \$400,000. The \$400,000 project budget cap was first established by the June 2018 board action and the same cap is applied for the new minor caps that are approved for the current biennium.

The duration of minor capital projects typically ranges from a few months to three years. Since many of these projects require rapid response to address unanticipated failures, safety, or regulatory compliance concerns, or to take advantage of shutdown opportunities, the Minor Cap Program authorizes the General Manager to execute projects that meet defined criteria without seeking additional board approval.

In April 2024, the Board appropriated funds for the projects identified in the CIP appendix for the current biennium, FYs 2024/25–2025/26, including the Minor Cap Program. \$10 million of initial funds for this program has been allocated for the current biennium.

Minor Cap Program Historical Summary

The following table provides the overall status of the four active Minor Cap appropriations for the fiscal years 2018/19–2019/20 through fiscal years 2024/25–2025/26.

Table 4: Minor Capital Projects Program

	Fiscal Year				Totals*
	2018/19– 2019/20	2020/21– 2021/22	2022/23– 2023/24	2024/25– 2025/26	
Amount Appropriated	\$15.5M	\$20.0M	\$14.4M	\$10.0M	\$59.9M
Expenditures (through September 2025)	\$12.4M	\$10.5M	\$9.6M	\$1.1M	\$33.6M
Number of Projects Approved	47	45	50	16	158
Number of Projects Completed (through September 2025)	46	33	12	2	93
Number of Projects with Durations of Over 3 Years	1	12	6	0	19

* Numbers may not sum due to rounding.

Through September 2025, 93 of the 158 projects approved under the appropriations mentioned above have been completed, and 19 active projects have exceeded three years in duration, as described below.

- Conveyance & Distribution SCADA Network Switch and Router Replacement has experienced delays due to contract negotiations with the vendor requiring additional time. The project is scheduled to be completed by June 2026.
- Diemer Foam Abatement Upgrade has experienced delays due to longer than anticipated time for review and approval of scum skimmer submittal before proceeding with procurement. The project is scheduled to be completed by February 2026.
- Dominguez Channel Pressure Release Structure Rehabilitation has been experiencing delays due to longer than anticipated lead time for valve manufacturing and delivery. The project is scheduled to be completed by June 2026.
- East Valley Feeder Vaults Upgrades has experienced delays due to additional time required to acquire permits from an external agency. The project is scheduled to be completed by December 2025.
- Foothill Feeder Pipe Protection construction was recently completed. Additional time is required to pay vendor invoices and complete project closure documents. The project is scheduled to be completed by November 2025.
- Jensen Chlorine Ejector System Pipe Replacement completed construction activities in July 2025. Additional time is required to complete project closure documents. The project is scheduled to be completed by November 2025.
- Lake Matthews Mobile Chlorinator Delivery Line Replacement has completed construction activities. Additional time is required to complete project closure documents. The project is scheduled to be completed by October 2025.
- Lake Perris Aeration System Diffuser Replacement experienced delays due to longer than anticipated time to prepare a diving plan and to obtain approval by the Department of Water Resources. Construction is now completed. Additional time is required to pay vendor invoices and complete project closure documents. The project is scheduled to be completed by November 2025.
- Mills Sodium Hypochlorite Storage System Improvements has completed construction activities. Additional time is required to complete testing and project closure documents. The project is scheduled to be completed by December 2025.
- Mills WTP Wildlife Barrier Screen Installation has been experiencing delays due to the coordination of the plant shutdown required for screen installation. The project is scheduled to be completed by January 2026.
- Pasadena Water and Power Site Microwave Tower Replacement experienced delays due to longer than anticipated time for review and approval of the lease agreement between the City of Pasadena and Metropolitan. The project is scheduled to be completed by October 2025.
- Ramona PCS Rehabilitation has been experiencing delays due to longer than anticipated lead time for motor procurement and coordination of the Middle Feeder North shutdown required for valve removal. The project is scheduled to be completed by July 2026.
- Service Connection CA-01 Isolation Gate is scheduled to be completed by November 2026.
- Service Connection CB-01 Valve Replacement has experienced delays due to longer than anticipated time for procurement of a fiberglass reinforced plastic platform. The project is scheduled to be completed by February 2026.
- Skinner Plant 1 UPS Upgrades has completed construction activities. Additional time is required to complete project closure documents. The project is scheduled to be completed by October 2025.
- Skinner Washwater Reclamation Plant No. 2 Basin 6 Launder and Weir Replacement has completed construction activities. Additional time is required to complete project closure documents. The project is scheduled to be completed by October 2025.
- Venice Pressure Control Structure Security Upgrades has experienced delays due to longer than anticipated time to procure automatic entrance gates. Construction has been completed. Additional time is required to complete project closure documents. The project is scheduled to be completed by November 2025.

- Vibration Data Collection System Upgrade has experienced delays due to additional time required to review terms and conditions of the vendor's contract. Installation of the updated software is underway. The project is scheduled to be completed by January 2026.
- WB-06A Flow Meter Replacement has completed construction activities. Additional time is required to update the asset inventory system and complete project closure documents. The project is scheduled to be completed by November 2025.

Minor Cap Projects, 1st Quarter

Authorized Projects

Three projects were authorized under the Minor Cap Program during the 1st Quarter of fiscal year 2025/26 (July through September 2025). The total amount authorized for these projects was \$725,000.

- Copper Basin Dam Survey Monument Replacement – This project will replace damaged survey monuments on the abutment bedrock of Copper Basin Dam with high-precision monuments to improve reliability of the Dam's structural monitoring system. The project budget is \$140,000.
- Jensen Module No. 1 Service Water Intertie Upgrades – This project will install a new backflow prevention assembly between the service water and potable water systems to protect the water quality within the potable water system. The project will also replace aging valves for the service water system to improve the system's reliability. The project budget is \$385,000.
- Weymouth Rotating Equipment Vibration Monitoring System Upgrades – This project will replace the existing vibration data collection system, which requires manual data collection, with an upgraded system that provides automatic data collection and real-time monitoring, thereby improving the reliability of the water treatment process. The project budget is \$200,000.

Completed Projects

Four projects were completed under the Minor Cap Program during the 1st Quarter of fiscal year 2025/26 (July through September 2025):

- Diamond Valley Lake Wildflower Trail Plaque Installation
- Jensen Modules 2 And 3 Filter Surface Wash Valve Replacement
- Skinner Caustic Soda Transfer Pipe Replacement
- Skinner Plant Turbidity Meter Replacement

Canceled Projects

None

Expenditures

Actual biennium expenditures to date (July 2024 through September 2025) for the Minor Capital Projects Program were \$5.65 million.

Project Actions

Table 5 lists capital project actions authorized by the General Manager along with funding allocation amounts during the 1st Quarter of FY 2025/26, through the authority delegated by the Board in April 2024. The total funding amount authorized during the 1st Quarter is \$85,162,720 through 22 management actions. In some cases listed below, the Total Amount Authorized may differ from the Amount Authorized for Current Biennium when the work authorized is scheduled to extend beyond the current biennium. In these cases, it is anticipated that staff will request sufficient funds to be allocated from the CIP Appropriation for the next biennium to cover the planned remaining future-year costs of the project. When the Amount Authorized for Current Biennium is equal to the Total Amount Authorized, the authorized work is planned to be completed within the current biennium. Table 5 excludes any board items heard in closed session and minor cap authorizations. Minor cap authorizations can be found in the Minor Capital Projects Program section of this report.

Table 5: Capital Projects Funded in 1st Quarter

Project Authorized	Activity Authorized	Amount Authorized for Current Biennium	Total Amount Authorized
108th Street Pressure Control Structure Valve Replacement	Preliminary Design	\$375,000	\$375,000
Clorine Unloading Facility (CUF) Railroad Track Rehabilitation	Initial Study	\$70,000	\$70,000
Data Storage Infrastructure Refresh	IT Design, Development, Procurement, and Deployment	\$836,500	\$935,000
Diemer Area Distribution System Online Analyzer Replacement	Field Investigation, Final Design, and Procurement	\$465,000	\$465,000
DWCV-4 Service Connection Acoustic Flow Meter Replacement	Final Design, Procurement, and Construction	\$138,000	\$152,000
Iron Mountain Pumping Plant Hazardous Waste Containment Facility	Preliminary Design and Final Design	\$150,000	\$150,000
Jensen Control Room HVAC System Upgrades	Construction	\$800,000	\$800,000
Jesen METCON (formerly System-wide Control System Upgrade)	Field Investigation	\$296,000	\$296,000
Jensen Ozone PSU Replacement - Stage 1 ⁸	Additional Construction	\$550,000	\$550,000
Lake Skinner Conveyance and Distribution Building Roof Replacement	Initial Study	\$55,000	\$55,000
Lake Skinner Spillway Upgrades	Construction	\$89,000	\$100,000

⁸ Additional construction funds were required for contract change orders, staff labor to procure updated control panels that meet the latest standards, and lease extension for construction support trailer to support longer than anticipated testing and startup.

Project Authorized	Activity Authorized	Amount Authorized for Current Biennium	Total Amount Authorized
Maximo Application Suite (MAS) Upgrade	IT Define, Design, Development, and Deployment	\$875,000	\$875,000
MyWarehouse Shopping Cart Replacement	IT Design, Development, and Deployment	\$593,640	\$655,000
Network Visibility and Situational Awareness Upgrades	IT Design	\$235,200	\$356,720
OC-88A Pump Station Upgrades	Initial Study	\$50,000	\$50,000
Palos Verdes Feeder WB-06 Service Connection Fall Protection Improvements	Procurement and Construction	\$360,800	\$380,000
Palos Verdes Reservoir Site Drainage Improvements – Stage 2 ⁹	Additional Preliminary Design	\$675,000	\$743,000
Sepulveda Feeder Pump Stations	Progressive Design Build Phase 2: Completion of design for both sites and Construction of all facilities at the Venice site, and demolition of a tank at the Sepulveda Canyon site	\$15,000,000	\$77,000,000
Skinner Plantwide Chemical Flow Meter Replacement	Final Design	\$148,000	\$170,000
Weymouth Filter Valve Replacement	Continued Storage of Filter Valves	\$320,000	\$320,000
Weymouth Finished Water Reservoir Rehabilitation	Final Design	\$288,500	\$312,000
Weymouth METCON (formerly System-wide Control System Upgrade)	Field Investigation	\$353,000	\$353,000
Total		\$22,723,640	\$85,162,720

⁹ Additional funds were required for preliminary design activities to address changes to the site conditions as result of recent storm and construction activities.

Due to changes to the project implementation for the following projects, \$1,000,000 was reallocated to the previously authorized projects listed in Table 6 below. While the reallocation changed the biennial funded amount, the total authorized funding for the projects remained the same.

Table 6: General Manager Actions to Reallocate Capital Project Funds

Project Authorized (Title)	Amount Authorized for Reallocation
Cyber & IT Governance Risk and Compliance Implementation	\$500,000
Mills Plant Control Systems Upgrade	\$500,000
Total	\$1,000,000

CEQA Determinations

Table 7 lists CEQA exemption determinations made by the General Manager during the 1st Quarter. Consistent with CEQA, the Board delegated this authority to the General Manager in April 2024. Adoption of Negative Declarations, Mitigated Negative Declarations, and certification of Environmental Impact Reports will continue to require action by Metropolitan's Board. This table excludes information on board items.

Table 7: CEQA Exemption Determinations

Projects
Delta Properties Infrastructure Improvements - Phase 5 (Holland Tract and Bacon Islands)
Direct Potable Reuse Demonstration Facility (Testing Equipment Procurement)
Garvey Reservoir Rehabilitation – Stage 1
Sepulveda Feeder PCCP Rehabilitation – Reach 2
Weymouth Administration Building Upgrades

Construction and Procurement Contracts

The table below summarizes the status of all construction and procurement contracts that were awarded by the Board and active during the reporting quarter. These contracts are listed in Table 10 and Table 11.

Table 8: 1st Quarter Contract Actions

Contract Actions during Q1 for FY 2025/2026, July 2025 through September 2025	
Contracts Awarded by Board	5 construction contracts totaling \$11.9 million
Total Earnings Authorized ¹⁰	\$30.3 million
Construction Contracts Completed	Notices of Completion were filed for 2 construction contracts (Table 9)
Procurement Contracts Completed	1 procurement contract was completed ¹¹
Active Contracts at end of Q1 ¹²	19 construction contracts, totaling \$333.9 million (Table 10) 18 procurement contracts, totaling \$203.9 million (Table 11) ¹³ \$537.8 million total value*

*Numbers may not sum due to rounding.

The figures on the next two pages show the locations of the sixteen construction contracts that were active through the end of the 1st Quarter.

¹⁰ Includes payments for O&M work under CIP contracts and grant-funded drought mitigation contracts. For the contracts that filed NOC during the reporting quarter, final contract costs are used in the total earnings calculation, and for those with outstanding pending issues, the amount equal to original bid amounts plus any approved change orders and/or final adjustments to unit price bid items is used.

¹¹ Contract No. 2142 for Furnishing Construction Materials and Installing Reinforcing Steel at Diemer Plant was completed during the reporting quarter.

¹² Active contracts at the end of the 1st Quarter are those that are ongoing at the end of September 2025 and have not filed Notice of Completion with the county where the work was performed.

¹³ Excludes \$1,531,044 procurement contract to Logicalis Inc. to furnish communications sites network equipment for the Desert Microwave Tower Sites Upgrade project due to contract execution under Master Contract of National Association of State Procurement Officials (NASPO) ValuePoint Cooperative Purchasing Program for Data Communications Products & Services.

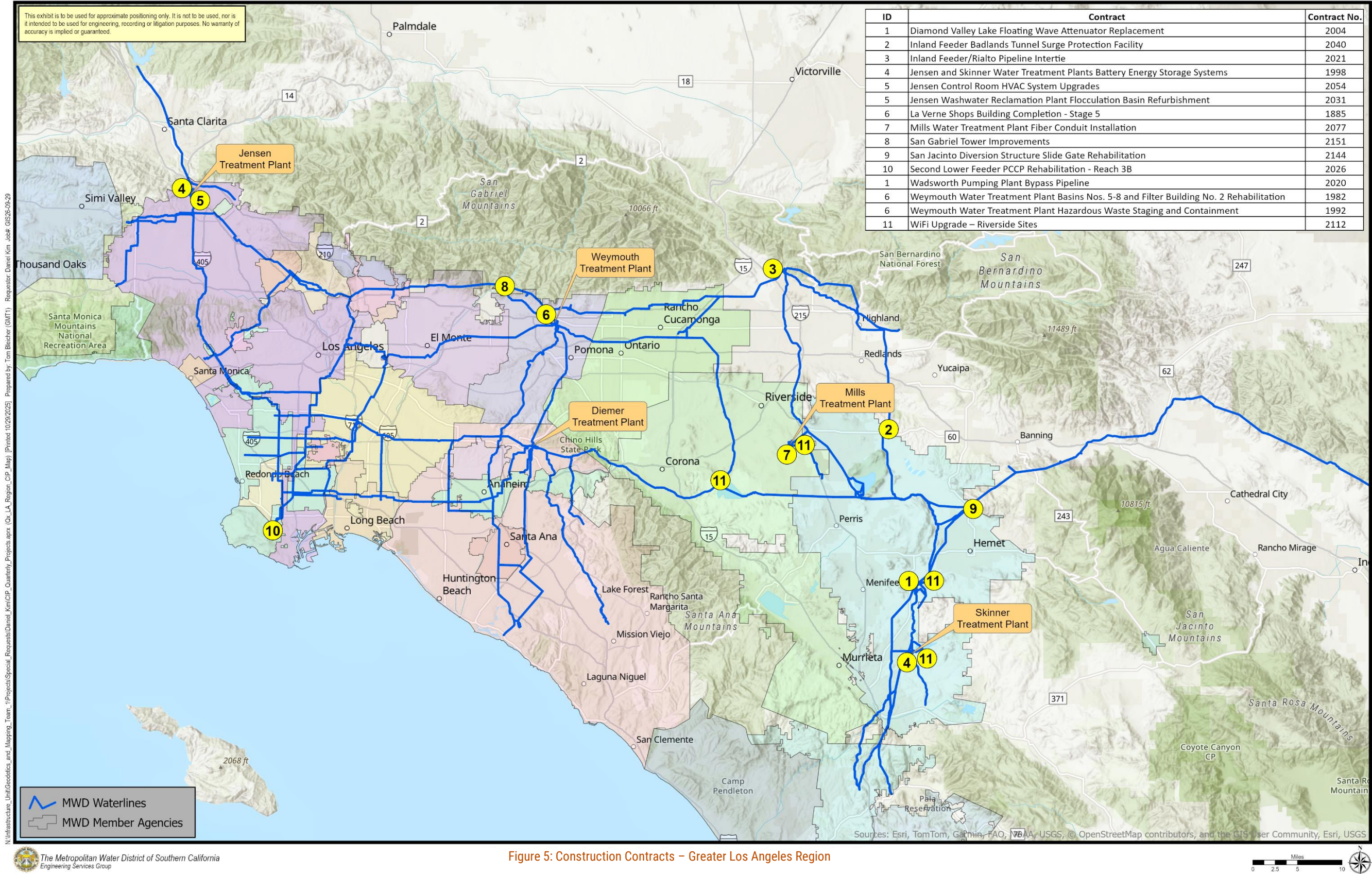
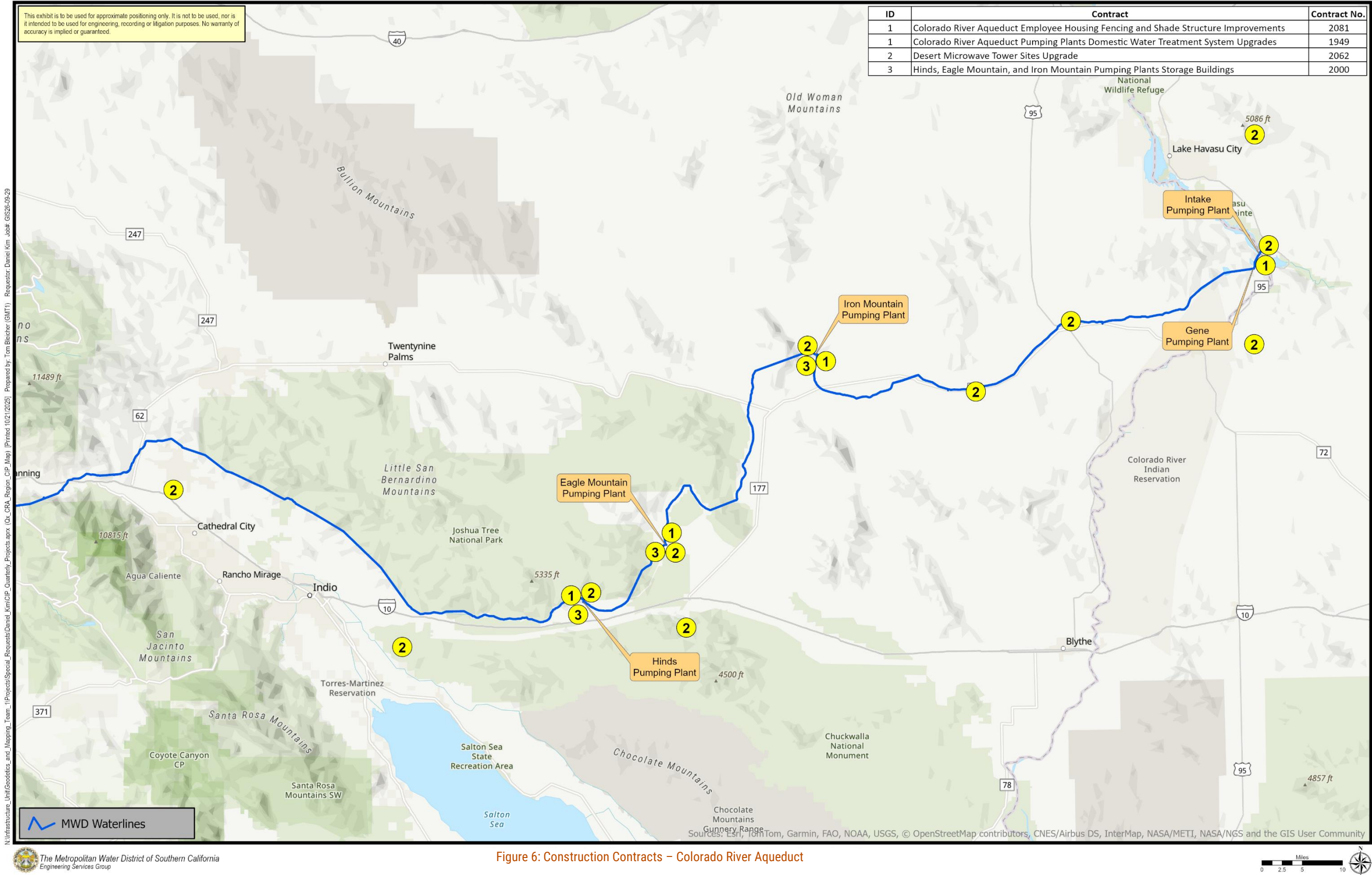


Figure 5: Construction Contracts – Greater Los Angeles Region



Metropolitan's Administrative Code authorizes the General Manager to execute change orders on construction contracts in an aggregate amount not to exceed five percent of the original amount of the contract or \$250,000, whichever is greater. If changes occur on a construction contract that will exceed this total, additional authorization from the Board is required. In addition, the General Manager is authorized to execute change orders on procurement contracts in an amount not to exceed \$250,000. In the 1st Quarter, the Board did not authorize any increase to the General Manager's change order authority.

Notices of Completion during 1st Quarter:

The following table shows the two board-awarded construction contracts for which Metropolitan accepted the contract as completed during the 1st Quarter of FY 2025/26 and filed a Notice of Completion (NOC) with the county where the work was performed. In accordance with Section 9204 of the Civil Code of the State of California, an NOC is filed within 15 days of acceptance by Metropolitan of completion of construction by the contractor.

Table 9: Notices of Completion Filed This Quarter

Contract No.	Construction Contract	Notice of Completion	Original Bid Amount	Final Contract Costs	Change Order	Change Order %
2064	CRA Employee Housing Demolition and Roof Replacement	July 2025	\$1,285,000	\$1,285,000	\$0	0%
2078	Lake Skinner Dam Perimeter Drainage Improvements	August 2025	\$588,000	\$608,000	\$20,000	3.40%
Totals:			\$1,873,000			

For the 1st Quarter, the total bid amount of the completed construction contract was approximately \$1.9 million.

For Contract No. 1896 - Jensen Administration Building. Entrance Glass Fiber Reinforced Concrete (GFRC) Panels Replacement, the NOC was filed during the CIP Quarterly Report for the 4th quarter of FY 2024/25. However, the final contract cost and change order amount were not reported due to outstanding pending issues. The issues were resolved, and the amounts were finalized during the current reporting quarter. The final contract cost is \$322,792, including the final change order amount of \$40,892, which resulted in a change order percentage of 14.5%. The changes resulted from revisions to GFRC panel attachment and design, fabrication, and installation of two additional GFRC panels.

Final contract costs shown represent actual earnings and may be refined based on resolution of pending issues subsequent to the completion date.

The final contract costs can differ from the original bid amount due to change orders and actual costs incurred on unit price or other various bid items. The rolling average of change orders on completed construction contracts during the preceding 12-month period (October 2024 through September 2025) is 1.51percent¹⁴.

¹⁴ Original amount of construction contracts completed (October 2024 through September 2025) = \$144,309,217
Change orders for completed construction contracts (October 2024 through September 2025) = \$2,175,595
Change order percentage (October 2024 through September 2025) = 1.51%

The table on this page lists the 19 ongoing construction contracts through the end of the 1st Quarter. This list contains construction contracts awarded by the Board.

Table 10: Active Construction Contracts at the End of 1st Quarter

	Cont. No.	Contract Title	Contractor	Contract Amount ¹⁵	Earnings Through Sep. 2025 ¹⁶	Start Date	Est. Completion Date	Est. Percent Complete
1	1885	La Verne Shops Building Completion – Stage 5 ¹⁷	Woodcliff Corporation, Inc.	\$19,638,644	\$19,210,144	6/10/22	12/25	98%
2	1949	Colorado River Aqueduct Pumping Plants Domestic Water Treatment System Replacement ¹⁷	J.F. Shea Construction, Inc.	\$33,474,737	\$17,289,434	1/20/22	4/26	52%
3	1982	Weymouth Water Treatment Plant Basins Nos. 5-8 & Filter Building No. 2 Rehabilitation	J.F. Shea Construction, Inc.	\$96,420,051	\$94,161,184	6/10/22	10/25	98%
4	1992	Weymouth Water Treatment Plant Hazardous Waste Staging and Containment	J.F. Shea Construction, Inc.	\$2,470,790	\$2,451,590	3/12/24	10/25	99%
5	1998	Jensen and Skinner Water Treatment Plants Battery Energy Storage Systems	Ameresco, Inc.	\$11,604,521	\$10,831,654	10/7/21	12/25	93%
6	2000	Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings ¹⁸	J. F. Shea Construction, Inc.	\$16,537,968	\$14,406,778	7/31/23	5/26	87%
7	2004	DVL Floating Wave Attenuator Replacement ¹⁸	Power Engineering Construction Co.	\$7,842,856	\$7,257,857	3/12/24	11/25	93%

¹⁵ The contract amount may differ from the original bid amount due to periodic change orders approved by the General Manager or, if required, by the Board.

¹⁶ Earnings reported in this table are the total contract earnings as they are known to be at the end of the reporting quarter.

¹⁷ Granting of additional working days to complete construction is being considered.

¹⁸ Indication of Project Labor Agreement (PLA) project awarded by the Board.

	Cont. No.	Contract Title	Contractor	Contract Amount ¹⁵	Earnings Through Sep. 2025 ¹⁶	Start Date	Est. Completion Date	Est. Percent Complete
8	2020	Wadsworth Pumping Plant Bypass Pipeline ^{18, 19}	Steve P. Rados, Inc.	\$15,710,329	\$15,316,303	2/2/23	2/26	97%
9	2021	Inland Feeder/Rialto Pipeline Intertie ^{17, 18, 19}	Steve P. Rados, Inc.	\$15,889,835	\$15,531,715	10/16/23	7/26	97%
10	2026	Second Lower Feeder PCCP Rehabilitation - Reach 3B ^{18, 20, 21}	J.F. Shea Construction, Inc.	\$78,632,128	\$78,448,628	2/13/23	11/25	99%
11	2031	Jensen Washwater Reclamation Plant Flocculation Basin Refurbishment	Myers & Sons Construction, LLC	\$1,718,000	\$0	7/31/25	12/26	0%
12	2040	Inland Feeder Badlands Tunnel Surge Protection Facility ^{17, 18, 22}	Steve P. Rados, Inc.	\$18,880,687	\$18,793,187	12/11/23	10/25	99%
13	2054	Jensen Plant Control Room Wildfire Smoke Control	IPI Construction Inc.	\$457,498	\$0	6/17/25	6/26	0%
14	2062	Desert Microwave Communication Tower Site Upgrades	MasTec Network Solutions LLC	\$2,556,478	\$676,629	3/27/25	2/26	26%

¹⁹ This contract is funded by a state grant administered by DWR.

²⁰ Change order for Allen-McColloch Pipeline PCCP 2024 Urgent Relining – Stage 1 is included in the contract amount shown in this table.

²¹ Work to construct helicopter dip tank facility at Palos Verdes Reservoir per extra work directed in the September 2025 Board Letter, Item 7-5, is yet to be included in the contract amount.

²² This contract is partially funded by a state grant administered by DWR.

	Cont. No.	Contract Title	Contractor	Contract Amount ¹⁵	Earnings Through Sep. 2025 ¹⁶	Start Date	Est. Completion Date	Est. Percent Complete
15	2077	Mills Water Treatment Plant Fiber Conduit Installation	Legion Contractors, Inc.	\$7,988,000	\$0	10/9/25	10/27	0%
16	2081	CRA Employee Housing Fencing and Shade Structure Improvements	Fencecorp, Inc.	\$1,931,217	\$989,614	4/3/25	12/25	51%
17	2112	Wireless Networks Installation at Metropolitan's Riverside locations	EyeP Solutions, Inc.	\$334,791	\$0	10/9/25	10/27	0%
18	2144	San Jacinto Diversion Structure Slide Gate Rehabilitation	MMC, Inc	\$1,454,000	\$0	9/11/25	6/26	0%
19	2151	San Gabriel Tower Improvements	American Wrecking, Inc.	\$370,900	\$0	9/26/25	7/26	0%
Total contract value for active construction contracts:				\$333,913,430				

The following table lists the 18 ongoing procurement contracts at the end of the 1st Quarter.

Table 11: Active Procurement Contracts at the End of 1st Quarter

	Cont. No.	Contract	Contractor	Contract Amount ²³	Earnings Through Sep. 2025 ²⁴	Start Date	Est. Delivery Completion Date	Est. Percent Complete ²⁵
1	1867	Furnishing Butterfly Valves for the Weymouth Water Treatment Plant – Schedule 1 ^{26, 27}	Crispin Valve, LLC	\$5,066,975	\$3,769,482	12/18/17	4/26	74%
2	1897	Furnishing 69kV and 230kV Power Transformers for the CRA Pumping Plants	Siemens Energy, Inc	\$130,836,680	\$3,260,888	6/25/25	3/30	2%
3	1912	Furnishing Large-Diameter Conical Plug Valves	Ebara Corporation	\$23,750,060	\$23,473,343	12/24/18	D ²⁸	99%
4	1922	Furnishing One Double Column Vertical Machining Center for the La Verne Maintenance Shops	Gosiger Machine Tools, LLC (Gosiger West)	\$2,319,600	\$2,273,100	9/17/18	D ²⁸	99%
5	1955	Furnishing Membrane Filtration Systems for the CRA Domestic Water Treatment Systems	Wigen Water Technologies	\$1,380,556	\$1,238,807	5/28/20	D ²⁸	90%
6	1965	Furnishing Equipment for the Jensen Ozone Power Supply Units Upgrades	Suez Treatment Solutions, Inc.	\$4,141,194	\$3,905,656	3/30/20	D ²⁸	94%
7	2002	Furnishing Steel Liner for Lakeview Pipeline ^{20, 27}	Northwest Pipe Company	\$23,703,750	\$23,348,444	12/14/23	D ²⁸	99%
8	2028	Furnishing Slide Gates for the San Jacinto Diversion Structure	Whipps, Inc.	\$820,853	\$469,707	12/8/22	12/25	57%
9	2029	Furnishing Slide Gates for East Lake Skinner Bypass Channel	Whipps, Inc	\$892,552	\$541,336	4/10/24	12/25	61%

²³ The Contract Amount may differ from the original bid amount due to periodic change orders approved by the General Manager or, if required, by the Board.

²⁴ Earnings reported in this table are the total contract earnings as they are known to be at the end of the reporting quarter.

²⁵ Estimated Percent Complete is based on contract payments and may not reflect actual progress of fabrication. The contract will be 100% complete upon delivery of fabricated items and field services.

²⁶ Contract 1867 includes tariff and work on Furnishing Butterfly Valves for the Weymouth Water Treatment Plant – Schedule 1 per extra work directed in the November 2020 Board Letter, Item 7-1.

²⁷ Granting of additional working days to complete procurement is being considered.

²⁸ All items were delivered prior to this reporting quarter but the contract remains open pending use of manufacturer field services.

	Cont. No.	Contract	Contractor	Contract Amount ²³	Earnings Through Sep. 2025 ²⁴	Start Date	Est. Delivery Completion Date	Est. Percent Complete ²⁵
10	2048	Furnishing Butterfly Valves for the Inland Feeder/SBVMWD Foothill Pump Station Intertie - Schedule 1 ²⁹	Sojitz Machinery Corp. of America	\$2,814,591	\$2,777,975	6/15/23	D ²⁸	99%
11	2056	Furnishing a Brushless Motor Exciter System for Gene Pumping Plant Unit No. 1	WEG Electric	\$544,501	\$24,626	5/27/24	12/25	5%
12	2096	Furnishing a 132-inch Butterfly Valve for the Foothill Pump Station Intertie	Vogt Valves, Inc.	\$1,779,174	\$0	6/3/24	6/26	0%
13	2098	Furnishing a 42-Inch Stainless Steel Sleeve Valve for Red Mountain Control Structure	Vogt Valves, Inc.	\$589,957	\$0	12/5/24	9/26	0%
14	2099	Furnishing Knife Gate Valves for the Hollywood Tunnel Pressure Control Structure - Schedule 1	Integrated 8(a) Solutions, Inc.	\$321,575	\$0	4/10/25	9/26	0%
15	2099	Furnishing Sleeve Valves for the Hollywood Tunnel Pressure Control Structure - Schedule 2	Bailey Valve, Inc	\$2,151,947	\$0	4/10/25	9/26	0%
16	PO 214904	Furnishing Two Butterfly Valves for the Lake Skinner Outlet Tower Valve Replacement	B&K Valves and Equipment, Inc.	\$1,255,976	\$0	6/13/23	6/26	0%
17	PO 219501	Furnishing of Five Globe Valves to be Installed at Four Pressure Control Structures in the Orange County Region ²⁷	B&K Valves and Equipment, Inc.	\$698,000	\$0	12/5/23	12/25	0%
18	PO 228265	Furnishing globe valves to be installed at the Rio Hondo Pressure Control Structure	B&K Valves and Equipment, Inc	\$807,004	\$0	2/15/24	3/26	0%
Total contract value for active procurement contracts:				\$203,874,945				

²⁹ Contract 2048 includes tariff and work on Furnishing Butterfly Valves for the Inland Feeder/SBVMWD Foothill Pump Station Intertie - Schedule 1

Performance Metrics

To measure project performance efficiency and to identify areas for continuous improvements, Metropolitan's Engineering Services Group has established two primary performance metrics for projects that will result in construction activities. These metrics serve as performance targets for Metropolitan staff for both final design and inspection activities. The inspection metric includes fabrication and construction inspection, as well as construction management services.

Separate performance targets have been established for two categories of project size: those with projected construction costs greater than \$3 million, and those with projected construction costs less than \$3 million.

Metropolitan's **performance metric targets** for the two categories of construction projects are listed below:

Project Category	Final Design, % of Construction	Inspection % of Construction
Projects with Construction Costs > \$3 Million	9% to 12%	9% to 12%
Projects with Construction Costs < \$3 Million	9% to 15%	9% to 15%

Prior to proceeding with final design or construction, budgets are established for design and inspection that best provide a quality and timely product. Efforts are made to optimize staff and consultant hours based on project complexity and location. The calculated values for the design and inspection costs, as a percentage of total construction costs, in most cases lie within or below the metric target ranges. In select cases, the calculated values may exceed the metric target ranges.

Once a project phase is complete, either final design or construction, staff's performance against these metrics is then calculated and compared to the target metrics. Table 12 and Table 13 on the following page summarize the comparison between the target metrics and the actual performance metrics for each project category for the current reporting period. In cases where the actual performance exceeded the target metric, explanations for the variance are provided. Actual performances are reported for the Board awarded construction contract projects.

Table 12: Performance Metric Actuals, Construction Costs > \$3 Million

Project	Metric	Actual Cost of Metric	Construction Cost	Target Range	Actual %
Mills Plant Fiber Conduit Installation	Final Design	\$926,012	\$8,622,000	9% to 12%	10.7%
Average	Final Design	10.7%			
	Inspection	N/A			

Table 13: Performance Metric Actuals, Construction Costs < \$3 Million

Project	Metric	Actual Cost of Metric	Construction Cost	Target Range	Actual %
Jensen Wastewater Reclamation Plant Flocculation Basin Refurbishment	Final Design	\$175,000	\$1,822,000	9% to 15%	9.6%
San Gabriel Tower Improvements ³⁰	Final Design	\$135,463	\$780,900	9% to 15%	17.4%
San Jacinto Diversion Structure Slide Gate Rehabilitation ³¹	Final Design	\$571,421	\$2,475,953	9% to 15%	23.1%
WiFi Upgrade – Riverside Sites	Final Design	\$60,000	\$654,194	9% to 15%	9.2%
CRA Employee Housing Demolition and Roof Replacement	Inspection	\$155,996	\$1,349,812	9% to 15%	11.6%
Lake Skinner Dam Drainage System Improvements ³²	Inspection	\$127,352	\$608,000	9% to 15%	21.0%
Average	Final Design	16.4%			
	Inspection	14.5%			

³⁰ Final design costs for San Gabriel Tower Improvements were higher than the target range due to splitting the work into multiple construction packages to meet short shutdown windows, which were identified as part of a value engineering study.

³¹ Final design costs for San Jacinto Diversion Structure Slide Gate Rehabilitation were higher than the target range due to the redesign of the gate actuators and associated structural pads and anchors. The redesign was necessary after reviewing the fabrication details of the procured actuators to ensure proper installation.

³² Inspection costs for Lake Skinner Dam Drainage System Improvements were higher than the target range due to portions of the drainage system not initially being constructed according to the plan and specifications, which required follow-up work and additional inspections.

Service Connections and Relocations

Service Connections

No new agreements for service connections were approved by the General Manager pursuant to Sections 4700-4708 during the reporting period (July through September 2025).

Relocations

No new relocation agreements involving an amount in excess of \$100,000 were approved under the authority of Section 8122(c) during the reporting period.

Projects Expensed to Overhead

There are no expensed projects to report during the 1st Quarter of FY 2025/26 (July through September 2025).

Program Status

The following table provides the program-level funded amount versus cost-to-date and biennium planned expenditures versus actuals-to-date.

Table 14: Program Fund vs. Cost and Planned Expenditures vs. Actuals

Capital Programs	Total to Date		Biennium to Date	
	Funded Amount (\$1,000's)	Costs thru September 2025 (\$1,000's)	Biennium to Date Planned Expenditures (\$1,000's)	Biennium Actual Expenditures (\$1,000's)
Additional Facilities and Systems	\$361,402	\$316,832	\$23,745	\$27,587
Climate Adaptation	\$262,888	\$240,551	\$9,830	\$18,961
Colorado River Aqueduct	\$615,019	\$554,435	\$56,360	\$56,726
Dams & Reservoirs	\$167,392	\$144,878	\$52,950	\$17,951
Distribution System	\$1,018,123	\$939,322	\$77,340	\$69,095
Drought Mitigation - SWP Dependent Areas	\$150,416	\$103,631	\$44,830	\$38,231
Information Technology & Control Systems	\$289,873	\$254,789	\$34,340	\$20,457
Minor Capital Projects	\$110,214	\$89,894	\$10,420	\$5,651
Prestressed Concrete Cylinder Pipe	\$535,761	\$490,589	\$31,060	\$92,431
Water Treatment Plants	\$2,444,064	\$2,381,033	\$66,420	\$65,366
Total CIP	\$5,955,153	\$5,515,955	\$407,295	\$412,455

Notes on the above table:

- Numbers may not sum due to rounding.
- Numbers are based on the general ledger information downloaded on 10/13/2025.

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Engineering, Operations, and Technology Committee

12/8/2025 Committee Meeting

6a

Subject

Engineering, Operations, and Technology Committee Field Inspection Trip Report

Executive Summary

The 2025 Engineering, Operations, and Technology Committee (EOT) Field Inspection Trip to several Colorado River Aqueduct (CRA) facilities was conducted on October 29 and October 30. This annual event complies with the Standing Committee Inspection Trip section of Metropolitan's Administrative Code and seeks to provide additional context for future board deliberations.

This year, the following five directors attended the trip: EOT Chair Dennis Erdman (Municipal Water District of Orange County), EOT Vice Chair Stephen Faessel (City of Anaheim), Jacque McMillan (Calleguas Municipal Water District), Karl Seckel (Municipal Water District of Orange County), and Gretchen Shepherd Romey (City of San Marino). This trip to Eagle Mountain Pumping Plant, Gene Pumping Plant, and Copper Basin Reservoir focused on CRA operations and maintenance (O&M) activities, capital projects under design, and ongoing construction contracts. An agenda for the trip is shown in **Attachment 1**.

Applicable Policy

Metropolitan Water District Administrative Code Section 2315: Standing Committee Inspection Trips

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

Over the coming months, staff will return to the Board to request approval of the budget and Capital Investment Plan appropriation, as well as authorization to enter into agreements with consultants and award construction contracts. The EOT Inspection Trip helps provide a better understanding for directors as they deliberate on funding and other board decisions.

Details and Background

Background

Annually, the Chair and Vice Chair of the EOT Committee formally invite all members of the Board of Directors to a tour of Metropolitan facilities to "aid its members in the deliberations of matters before that committee." Recent trips included visits to the F.E. Weymouth Water Treatment Plant and La Verne shops, Diamond Valley Lake, the Department of Water Resources' Devil Canyon Power Plant, the Henry J. Mills Water Treatment Plant, the Joseph Jensen Water Treatment Plant, and the Sepulveda Pressure Control Facility. In-person site visits allow directors to see a level of detail that is not possible during concise presentations to the committee.

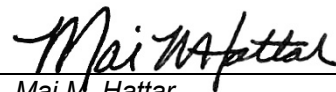
Approximately every five years, the trip visits the CRA facilities. Stretching 242 miles from the Colorado River on the California-Arizona border to Lake Mathews reservoir near Riverside, California, the CRA consists of more than 90 miles of tunnels, nearly 55 miles of cut-and-cover conduit, almost 30 miles of siphons, and five pumping stations and supplies approximately 1.2 million acre-feet of water a year. The American Society of Civil Engineers selected it as one of the Seven Modern Civil Engineering Wonders in 1955.

The trip offered an opportunity for directors to interact directly with staff responsible for operating, maintaining, rehabilitating, and improving the CRA. This trip focused on O&M activities, ongoing construction contracts, and upcoming contract awards in the following year.

Presentations for O&M activities included an overview of CRA operations, high voltage transmission system maintenance, microwave communication system maintenance, the aqueduct maintenance shop, and power operation and strategic planning. A tour of the Eagle Mountain Pumping Plant was also provided, which included visits to the control room, pump bay, and motor room. Staff detailed how they perform preventive and corrective maintenance activities to maximize equipment life and provide reliable CRA deliveries. Also discussed is how they are increasing productivity and maximizing efficiencies with limited resources, as well as the need to add staff to keep up with maintenance for the ageing water delivery systems.

Staff presented ongoing construction contracts, including the replacement of the domestic water treatment systems, the new storage building at Eagle Mountain Pumping Plant, and the replacement of the main transformers. Directors were also briefed on projects nearing design completion. They will be brought before the Board for contract award, including the replacement of utilities at Eagle and Hinds pumping plants, CRA housing improvements, auxiliary power system upgrades, and the Black Metal Communication site improvements. The discussion on these capital investment projects was preceded by a presentation on Metropolitan's asset management program and how staff manage physical assets through the entire lifecycle to maximize value, minimize costs, and mitigate risks. Staff also discussed the need to include funding capital investments at a level that reduces Metropolitan's risk exposure and maintains the reliability of its water infrastructure.

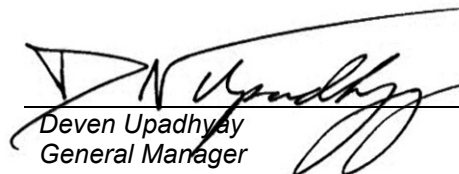
The group managers of Conveyance and Distribution; Integrated Operations, Planning and Support Services; Treatment and Water Quality; Information Technology; and Engineering Services would like to express gratitude to the directors for dedicating their time and attention to the EOT Inspection Trip. The directors who attended the inspection trip expressed their appreciation for the outstanding work of the teams who operate, maintain, and support the CRA every day. The directors' engagement and continued support are appreciated as staff addresses current challenges, plans for future needs, and ensures the CRA remains reliable for the region.



11/25/2025

Mai M. Hattar
Chief Engineer
Engineering Services

Date



11/25/2025

Deven Upadhyay
General Manager

Date

Attachment 1 – Engineering, Operations, & Technology Committee Field Trip Agenda

Ref# es12706930

Engineering, Operations, & Technology Committee Inspection Field Trip Agenda

DAY 1
Wednesday, October 29, 2025

Arrive	Facility/Activity	Presenter
Start from the F.E. Weymouth Water Treatment Plant in La Verne		
7:00 AM	Breakfast at the Water Quality Lab	
8:00 AM	Welcome Remarks	
8:15 AM	Big Picture Asset Management - Maturity & Criticality Assessment	Ricardo Hernandez, Operations Project & Asset Management Unit Manager
8:30 AM	Drive from Weymouth WTP to Brackett Field Airport	
8:45 AM	Flight from Brackett Field Airport to Eagle Mtn. Pumping Plant Airstrip	
9:45 AM	Drive from Airstrip to Eagle Mtn. Pumping Plant	
10:30 AM	Eagle Mtn. Pumping Plant Presentations – Recreation Hall	
	Welcome Remarks	JR Rhoads, Conveyance & Distribution Group Manager
	CRA Operation Overview	Justin Davis, Conveyance & Distribution Unit Manager
	Main Transmission System Maintenance	Craig Spitz, Powerline Maintenance Team Manager
	Power Operation and Strategic Planning	Keith Nobriga, Integrated Operations Planning & Support Services Group Manager
11:20 AM	Facilities Visited - Housing and Support Facilities	
	Overview: Eagle Mtn. Pumping Plant Lodge/ Housing	Victor Ramirez, Facility & Fleet Management Section Manager
	Walkthrough of Remodeled Home	
	Eagle Mtn. and Hinds Pumping Plants Utilities Replacement	Prudencio Alonso, Project Manager
	New Storage Building Project Overview	Adrian Almeida, Construction Inspector I
	Aqueduct Pump Maintenance Shop	Steve Solaiza, Team Manager IV
12:40 PM	Lunch at Rec Hall	
1:30 PM	Facilities Visited - Pump Plant and Electrical Facilities	
	CRAMPR – Overview & Details	Prudencio Alonso, Project Manager
	Tour: Eagle Mtn. Pumping Plant Overview (Starting from the Control Room)	John Carter, Eagle Mountain Pumping Plant Team Manager
	Domestic Water System Project	John Carter
	Unit No. 9 Pump Bay and Motor Room Floor	Steve Solaiza and John Carter
	CRA Main Pump Transformers	Patrizia Hall, Project Manager

DAY 1
Wednesday, October 29, 2025

Arrive	Facility/Activity	Presenter
	Overview of the Electrical System	Santiago Ocampo, Project Manager
	230kV Transmission System	Santiago Ocampo, Project Manager
	Low Voltage Improvements – Includes Switchyard, Generator, and Auxiliary Power Systems	Santiago Ocampo, Project Manager
	Black Metal Communications Site Improvement	Santiago Ocampo, Project Manager
3:35 PM	Drive to Airstrip	
3:45 PM	Flight to Gene Pumping Plant	
6:00 PM	Dinner at Gene Camp Kitchen	
7:00 PM	Entertainment at Gene Lodge: CRA History, Gene PP Museum	John Shamma, Engineering Services, Asst. Group Manager

DAY 2
Thursday, October 30, 2025

Arrive	Facility/Activity	Presenter
7:00 AM	Breakfast at Gene PP Kitchen	
7:30 AM	Gene Assembly Hall/ IT Projects Presentations	
	Desert Microwave	Brian Herzog, IT Communications Specialist
	Fiber Optics Improvements	Charles Eckstrom, IT Group Manager
8:00 AM	Drive to Copper Basin Reservoir	
8:15 AM	Copper Basin Discharge Valve Project	Ish Singh PM Team Manager
	New Sodium Hypochlorite Tanks Replacement/Upgrades	Randy Smith, Aqueduct Maintenance Team Manager
		Jason Pagenkopp, Corrosion Control Team Manager
10:15 AM	Lunch at Gene Assembly Hall	
11:30 AM	Flight to Brackett Field Airport	
12:45 PM	Drive to F.E. Weymouth Water Treatment Plant	



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Board Report

Engineering Services Group

• **Engineering Services Group Monthly Activities Report for November 2025**

Summary

This monthly report provides highlights and a summary of Engineering Services Group activities for November 2025 in the following key areas:

- Colorado River Aqueduct (CRA) Program
- Dams & Reservoirs Program
- Distribution System Program
- Additional Facilities and Systems Program
- Prestressed Concrete Cylinder Pipe (PCCP) Program
- Water Treatment Plants Program
- Pure Water Southern California
- Drought Mitigation – State Water Project Dependent Areas
- Value Engineering Program
- Plant Engineer Summit at Jensen Plant
- Career Launch Program in its 14th Year
- MetWorks Event 2025

Purpose

Informational

Attachments

Detailed Report – Engineering Services Group’s Monthly Activities for November 2025

Engineering Services' Monthly Activities for November 2025

Highlights

In the month of November, Engineering Services embarked on the following major actions in support of the General Manager's business plan for Fiscal Year 2025/2026:

Goal: Execute CAMP4W Implementation Strategy to Integrate Climate Adaptation District-Wide
Outcome: Identify climate adaptation strategies
In late October, Engineering Services conducted a four-day workshop focused on development of a long-term energy strategy that is reliable, affordable, and sustainable. The workshop was attended by power operations, water operations, water planning, engineering, SRI Office, Legal, and Finance, with contributions from world-class power development and transmission consultants. Findings from the workshop will be published by the end of the year.
Goal: Complete EIR and Planning, for Board to Consider Pure Water Southern California
Outcome: Complete EIR analyses and public process
Hosted tours for the Pure Water Los Angeles (PWLA) staff at the Grace F. Napolitano PWSC Innovation Center and exchanged program information. Held a focused workshop to discuss integration with PWLA planning.
Goal: Provide Organizational Stability and Deliver Operational Excellence
Outcome: Maintain excellence in daily operations and reliability
Executing the adopted Capital Investment Plan (CIP) is key to maintaining system reliability. In November, the \$94 million construction contract to rehabilitate Basins Nos. 5-8 and Filter Building No. 2 was completed. This was a significant investment to maintain the reliability of Metropolitan's oldest water treatment plant.

In support of the General Manager's Business Plan goal of providing organizational stability and delivering operational excellence, Engineering Services manages and executes projects within the adopted CIP to maintain infrastructure resiliency, ensure regulatory compliance, enhance sustainability, and provide flexibility in system operations to address uncertain water supply conditions. In addition, Engineering Services provides technical services to enhance reliable

system operation and real property planning, valuation, acquisition, and disposition services to protect Metropolitan's assets. Engineering Services empowers our staff and partners with our business partners and the communities we serve to accomplish Metropolitan's mission.

Recent key activities on CIP programs and other key engineering functions are described below.



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

Colorado River Aqueduct (CRA) Program

The CRA program includes CIP projects to replace or refurbish facilities and components of the CRA system to reliably convey water from the Colorado River to Southern California.

- **CRA Intake Transformer Bank Protection Relay Replacement** — This project involves replacing the 20-year-old protection relays and associated components in Panels 1R and 3R of the Main Transformer Banks at the Gene Pumping Plant. Procurement of the new panels is currently underway, with delivery anticipated by the end of December 2025. Final design for the interconnection of the new panels is 85 percent complete and scheduled to be complete by December 2025.
- **CRA Eagle and Hinds Utility Replacement** — This project will replace the existing potable water, non-potable water, and sewer lines at the Eagle Mountain and Hinds pump plants house. Design is complete, and Metropolitan's Board awarded a construction contract in November 2025.
- **Black Metal Mountain Electrical Upgrades** — This project replaces the existing single-phase 2.4 kV power line delivering power to the Black Metal Mountain communication site with a more robust three-phase power line rated for 4.16 kV usage. The project will also enhance the main access road to the communications sites. Final design is 80 percent complete and scheduled to be complete by February 2026.
- **Erosion Control Improvements** — This project will install erosion control features along the CRA conveyance system at 26 conduit locations that are vulnerable to major erosion damage during storm events. Final design is 15 percent complete and is scheduled to be complete by September 2027.

Dams & Reservoirs Program

The Dams & Reservoirs Program includes CIP projects to upgrade or refurbish Metropolitan's dams, reservoirs, and appurtenant facilities to reliably meet water storage needs and regulatory compliance.

- **Copper Basin Discharge Valve Replacement** — This project installs a new 54-inch fixed cone valve and actuator at the base of the dam, refurbishes a slide gate and the existing valve house, and upgrades all associated electrical systems, the access road, and access ladders at the Copper Basin Reservoir. This project will also include the replacement of access ladders at the Gene Wash Dam. Final design

is complete, and acquisition of environmental permits is in progress. Award of a construction contract is planned for Spring 2026.

- **Garvey Reservoir Rehabilitation** — This project will replace the aging reservoir floating cover and liner; strengthen the structure of the reservoir outlet tower to reduce the risk of damage following a major seismic event; and upgrade the reservoir's rainwater collection, pumping, and subdrain systems. Final design is complete, and the project was advertised for bids in August 2025. Board award of a construction contract is planned for December 2025. Construction is scheduled to be complete by Spring 2028.
- **Lake Mathews Pressure Control Structure (PCS) and Electrical System Upgrades** — This project will replace the aging Lake Mathews discharge facility and electrical system. The project includes the construction of a new PCS with a bypass pipeline alongside the existing forebay, a new chlorination facility, and upgrading the electrical system to accommodate future power needs. This project utilizes a progressive design-build project delivery method. A request-for-qualifications (RFQ) for Phase 1 design-build services was released in September 2025. Six statements of qualification were received in November 2025, and a board action to authorize the Phase 1 agreement is planned for June 2026. The project is anticipated to be complete by 2032.

Distribution System Program

The Distribution System Program includes CIP projects to replace, upgrade, or refurbish existing facilities within Metropolitan's distribution system, including PCSs, hydroelectric power plants, and pipelines, to reliably meet water demands.

- **Auld Valley Pressure and Red Mountain Control Structure (PCS) Valve Replacement** — This project will rehabilitate one 42-inch sleeve valve and procure one 42-inch sleeve valve for the Red Mountain Pressure Control Structure and rehabilitate two 42-inch sleeve valves for the Auld Valley Pressure Control Structure. One valve at the Auld Valley PCS has been rehabilitated, and the second one is currently being rehabilitated by Metropolitan forces. Both valves will be installed during a future shutdown. Metropolitan is currently reviewing the submittals provided by the vendor to procure the new 42-inch sleeve valve for Red Mountain, which is planned to be installed in the fall of 2026.
- **Service Connection LA-17 Venturi Flow Meter Replacement** — This project will replace two venturi flow meters in the LA-17 service connection that serves the Los Angeles Department of Water and Power at the end of the Eagle Rock Lateral. One flow meter, LA-17A, is 24 inches in size, and the other, LA-17C, is 84 inches in size. Both flow meters will be replaced by Metropolitan forces during a shutdown tentatively scheduled for November 2026. Final Design has been completed. Board award of a procurement contract for the two meters is planned for December 2025.
- **Service Connection B-01 Rehabilitation** — This project will replace the venturi flowmeter, one 18-inch-diameter conical plug valve, and one 18-inch-diameter check valve at the B-01 service connection that serves treated water from the Weymouth Water Treatment Plant to the City of Burbank. A board action for the award of the conical plug valve procurement contract is scheduled for December 2025. Final Design is expected to be completed by April 2026.

Additional Facilities and Systems Program

The Additional Facilities and Systems Program includes CIP projects to refurbish, replace, upgrade, or provide new facilities and systems that support Metropolitan's business and district-wide operations.

- **Diamond Valley Lake (DVL) Wave Attenuator Replacement** — This project adds a second attenuator to the existing wave attenuating system at the East Marina in Diamond Valley Lake. As part of the improvements, the existing floating wave attenuator (FWA) will be relocated to a new location, and the new attenuator will be installed in its place. The contractor completed the installation of the safety ladders and life rings on the existing FWA; continued fabrication of the new North FWA modules; continued assembly and fit-up of the new North FWA modules; and began installation of the solar navigation lights on the new and existing FWA. Construction is 93 percent complete and is scheduled to be complete in January 2026.
- **Lake Mathews Diesel Storage Tank Replacement** — This project will procure and install a new 6,000-gallon above-ground diesel fuel tank at Lake Mathews. A fuel dispensing system will also be installed, as well as control systems for the fuel tank, electrical connections, and employee safety features. Final design is complete, and a board action for award of a construction contract is scheduled for February 2026.
- **New La Verne Warehouse Improvements** — The new La Verne Warehouse project involves the demolition of existing warehouse buildings 30 and 31, and construction of a new 60,000 square-foot reinforced concrete tilt-up warehouse with a new loading dock, and an additional 30,000 square feet of outdoor canopy storage space. The new warehouse building will include the Central Stores Warehouse and Investment Recovery Teams. The building will include conference rooms, offices, a breakroom, public counters for each team, and storage facilities. Preliminary design is underway, and a draft Preliminary Design Report is expected by January 2026.
- **CRA Aircraft Facilities Improvements Stage 1** — This project will refurbish the pavement and access roads, and upgrade the lighting at the Gene, Iron Mountain, Eagle Mountain, and Hinds Pumping Plants' aircraft runways. In addition, new weather stations will be installed at the Eagle Mountain and Hinds Pumping Plants. Preliminary design is 10 percent complete and is scheduled to be complete by April 2026.
- **CRA Aircraft Facilities Improvement Stage 2** — This project will install a new aircraft hangar at the Gene runway facility that will provide indoor parking for Metropolitan's caravan aircraft. The study phase is complete, and staff is preparing to begin preliminary design.



DVL FWA Replacement — Installation of Signage on North FWA

Prestressed Concrete Cylinder Pipe (PCCP) Program

The PCCP Program includes CIP projects to refurbish or upgrade Metropolitan's PCCP feeders to maintain water deliveries without unplanned shutdowns.

- **Second Lower Feeder PCCP Rehabilitation Reach 3B** — This project installed 3.7 miles of steel lining and three conical plug valves along a portion of the Second Lower Feeder that traverses the cities of Lomita, Los Angeles, and Torrance. Construction is complete, the contractor demobilized from the laydown and storage site, change orders, and punch list items on Western Avenue and the modifications to the Palos Verdes Reservoir Bypass Line. Meter warranty work will be completed during the 2026/2027 shutdown season.
- **Sepulveda Feeder PCCP Rehabilitation Reach 2** — This project installs steel lining along 3.8 miles of PCCP through several cities, including the cities of Torrance and Los Angeles. Final design is complete, and a board action for a contract award is planned for January 2026. The project is expected to be complete by mid-2027.
- **Sepulveda Feeder PCCP Rehabilitation Reach 9** — This project will rehabilitate approximately 3.7 miles of 120-inch to 96-inch diameter PCCP with a combination of solid steel and coiled steel liner systems. Reach 9 is located on Hayvenhurst Avenue from near State Route 118 to just north of the Van Nuys Airport in Los Angeles. Additionally, a new 54-inch sectionalizing valve and valve structure will be installed on the Sepulveda Feeder near the intersection of Hayvenhurst and Chatsworth Street. Final design for Reach 9 is 98 percent complete and is scheduled to be complete by February 2026.

- **Foothill Feeder Acoustic Fiber Optic (AFO) Installation** — This project will install an acoustic fiber optic monitoring system within the 201-inch diameter Foothill Feeder to allow continuous monitoring of the 6.5 miles of PCCP portions, minimizing the need for expensive, prolonged shutdowns. The project team is evaluating options for dewatering the pipeline now that quagga mussels have been discovered in the West Branch of the State Water Project. Installation of the AFO system is currently scheduled during the Foothill Feeder shutdown in January 2027.



Palos Verdes Helopod Operational Testing

Water Treatment Plants Program

The Water Treatment Plants Program includes CIP projects to replace or refurbish facilities and components at Metropolitan's five water treatment plants to continue to reliably meet treated water demands.

- **Weymouth Basins 5–8 and Filter Building No. 2 Rehabilitation** — This project rehabilitates major mechanical and structural components of Basins 5–8 and Filter Building No. 2 at the Weymouth plant, including the flocculation/sedimentation equipment, sludge pumps, baffle boards, walls, launders, and outlet drop gates. The project also includes seismic upgrades of basin walls and inlet channel, hazardous material abatement, and replacement of inlet gates in Basins 1-4 and filter valves and actuators in Filter Building No. 2. Rehabilitation work and equipment testing for the basins is complete. The contractor completed the testing of filter valves and actuators in Filter Building No. 2. Construction is complete.
- **Weymouth Administration Building Upgrades** — This project upgrades the Weymouth Administration Building to withstand a significant earthquake. The planned upgrades include structural strengthening consistent with current seismic standards for essential facilities, accessibility, and fire/life safety improvements, architectural modifications near the areas of structural upgrades, and improvements

associated with the preservation of historic architectural features. Final design is complete, and the project will be ready for advertisement for construction bids in January 2026.

- **Diemer Chemical Feed Facility Improvements** — This project rehabilitates the Diemer plant's chemical feed facility to maintain operational reliability, meet Metropolitan's current chemical safety standards, and enhance worker safety. The Board awarded a construction contract in October, and the Notice to Proceed was issued to the contractor in November 2025.
- **Water Quality Lab Building Upgrades** — This project upgrades the Michael J. McGuire Water Quality Laboratory in La Verne to increase its seismic resiliency and to efficiently address new and evolving water quality issues and regulations. Final design is approximately six percent complete and is scheduled to be complete in Spring 2028.



Weymouth Basins 5-8 and Filter Building No. 2 Rehabilitation — Valve and Actuator Display, South of Moreno Ave. Entrance



Adapt to changing climate and water resources

Pure Water Southern California

Pure Water Southern California (Pure Water) is a large regional recycled water program that will provide a new local source of safe and reliable drinking water for Southern California. Pure Water currently focuses on five areas: program management, environmental planning, advanced water purification facility (AWPF) planning, demonstration testing, and preliminary design of initial pipeline reaches. Pure Water will produce up to

150 million gallons per day of purified water from the AWPf in Carson for indirect potable reuse (IPR) and direct potable reuse (DPR) applications.

- **Program Management** — Program management activities include project controls, scheduling, budget development, risk management, coordination with program partners and stakeholders, grants and funding, and preparation of various plans and studies. The Pure Water Program Management team was engaged in the following activities during this reporting period:
 - Presented program updates and community benefits to the Board in October 2025.
 - Continued coordination and grant reporting efforts with the United States Bureau of Reclamation for the \$125,472,855 Large-Scale Water Recycling Program grant and the \$5 million WaterSmart grant. Metropolitan has received a total of approximately \$25.5 million to date.
 - Updated the CAMP4W preliminary assessments for 45-, 75-, and 150-mgd scenarios.
 - Submitted the final SB149 application for streamlining potential CEQA litigation. Certification is anticipated in December or January.
- Met with Long Beach Utilities, West Basin Municipal Water District and Water Replenishment District to confirm their potential demands for purified water.
- **Environmental Planning** — The draft EIR was published in May 2025, and the 60-day public review period has closed. Staff is reviewing comments received and preparing responses. A board action to consider certification of the final EIR is anticipated in early 2026.
- **Advanced Water Purification Facility** — The AWPf will purify treated wastewater from the Los Angeles Sanitation District's (LACSD) A.K. Warren Water Resource Facility using membrane bioreactors (MBRs), reverse osmosis (RO), and ultraviolet/advanced oxidation. With its expertise in biological wastewater treatment, LACSD will be responsible for implementing the AWPf pretreatment, including the MBR facilities. A final draft of conceptual facilities report has been prepared. This document records key assumptions of AWPf components and would be used for the upcoming RFQs for the progressive design-build contracts to design and construct the full-scale AWPf.
- **Demonstration Testing** — Operational improvements have been made at the Napolitano Innovation Center for the continued testing of the IPR processes, including the installation of a RO concentrate pilot testing system and more MBR cassettes. Planning of pilot-scale and demonstration-scale testing of DPR processes is in progress. Key testing equipment will be procured in 2026 to facilitate the design of the DPR testing facility.
- **Conveyance System** — The PWSC conveyance system consists of the backbone pipeline that extends 39 miles from the AWPf, repurposing an existing pipeline owned by the San Gabriel Valley Municipal Water District, and constructing a new DPR pipeline to convey water from the backbone eastward for raw water augmentation at Metropolitan's Weymouth plant. The Conceptual Design Report for the entire conveyance system has been completed. Preliminary design of the first two pipeline reaches across the cities of Carson, Long Beach and Lakewood is in progress. The RFQ for the CM/GC contract(s) for these two reaches is also being prepared.

Drought Mitigation – State Water Project Dependent Areas

The Drought Mitigation—State Water Project Dependent Areas Program includes CIP projects to replace, refurbish, upgrade, or construct new facilities, which are identified to mitigate the vulnerability experienced by specific member agencies that are affected during shortages of State Water Project supplies.

- **Wadsworth Bypass Pipeline** — This project installs a bypass pipeline and an isolation valve to interconnect the Wadsworth Pumping Plant with the Eastside Pipeline. This project is one of the four Rialto Pipeline service area supply reliability improvement projects. The contractor is currently installing owner-furnished control components. Construction is 99 percent complete and is scheduled to be completed in February 2026.
- **Inland Feeder-Rialto Pipeline Intertie** — This project installs an interconnection pipeline and isolation valve structure between the Inland Feeder and Rialto Pipeline so that water can be delivered from DVL to the Rialto Pipeline. This project is one of the four Rialto Pipeline service area supply reliability improvement projects. The contractor is currently performing electrical work in preparation for the MCC electrical equipment delivery in early 2026. Also, the contractor is coordinating with SCE for future energization of the equipment. Construction is 91 percent complete and is scheduled to be completed in August 2026.



Sustain Metropolitan's mission with a strengthened business model

Value Engineering Program

Engineering Services conducts a Value Engineering (VE) program to review capital projects and identify opportunities and alternatives to enhance project performance, optimize funding for CIP projects, and demonstrate responsible use of public funds. The objective of the VE program is to improve the overall value of CIP projects by applying an industry-accepted assessment methodology to examine a project's function, design, equipment, material selections, and contracting approach. This comprehensive assessment is conducted at strategic stages in a project's life cycle.

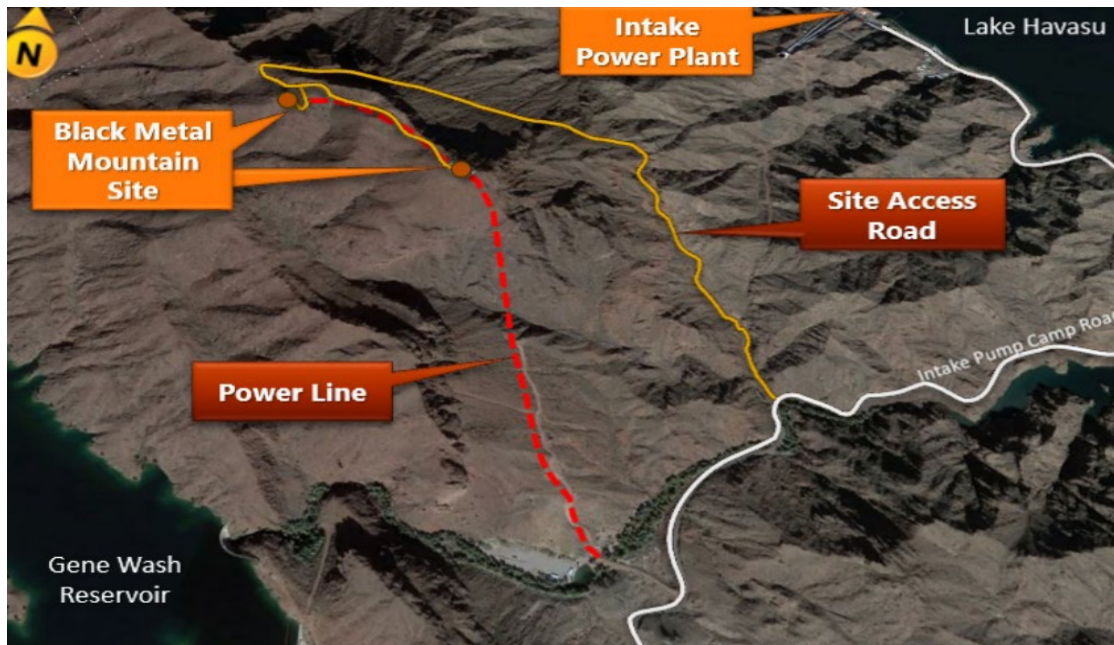
Black Metal Mountain Electrical Power Upgrade

Engineering performed a Constructability Review (CR) for the Black Metal Mountain 2.4 kV Electrical Power Upgrade project. This project will construct a new electrical powerline to serve the telecommunications facilities at the peak of Black Metal Mountain, which is located between Gene Wash Reservoir and the Colorado River. The new powerline will increase reliability and accommodate electrical load growth for Metropolitan's critical communications systems as well as systems leased to other public agencies and private firms. The construction project will also make improvements to the single road to the mountain peak. The existing road is steep, rugged, and susceptible to rockfalls. The project will improve safety for staff and other entities who access the site.

The CR Team, consisting of Project Management, Design, Construction Management, Operations and other Metropolitan staff, outside Subject Matter Experts, and a consultant Certified Value Specialist to lead the workshop, met virtually in early November. The workshop examined plans and specifications, reviewed construction sequencing options, evaluated constructability and biddability issues, and identified construction-related risks and mitigation actions.



Black Metal Mountain Communications Site



Black Metal Mountain Site Access/Location



Empower the workforce

Plant Engineer Summit at Jensen Plant

Plant and field engineers meet three times a year to share experiences and challenges of the role of the plant engineer. This summit enhances cross-training and provides an opportunity for the participants to identify key areas of needed operation support on engineering-related projects. During the last summit that took place on October 29 at the Jensen plant, plant engineers discussed the importance of a strong safety culture and the plant engineer's role in upholding this culture at all Metropolitan's sites. The plant engineers also visited the Jensen construction sites including the washwater reclamation plant rehabilitation, and exchanged ideas about enhancing the strategy to implement projects to rehabilitate aging infrastructure, and how the master schedules per region might be used to prioritize these projects. The next summit is planned to take place in Spring 2026 at the Weymouth plant.



Plant Engineers meet at the Jensen Plant for their Summit

Career Launch Program in its 14th Year

In November, Engineering Services kicked off the 14th year of its Career Launch Program, a workforce development initiative designed to support new staff during the onboarding process. The program helps participants adapt more quickly to their roles by reinforcing Metropolitan's mission and Engineering Services'

role in achieving it. It also focuses on building relationships, clarifying expectations, and inspiring continued professional growth and leadership.

At the kickoff event, 18 participants were introduced to John Shamma, Interim Assistant Group Manager of Engineering Services, and Francisco Becerra, Program Management Section Manager, who provided an overview of the program and outlined expectations for this cohort.

The Career Launch Program is a cornerstone of Engineering Services' workforce development efforts. It consists of six modules over six months, including one session featuring a tour of a Metropolitan facility.



Engineering's New Hires Attend the Career Launch Kickoff Meeting



Interim Assistant Group Manager John Shamma Welcomes New Staff



Section Manager Francisco Becerra Shares Expectations and Experiences with New Staff



Partner with interested parties and the communities we serve

MetWorks Event 2025

The annual MetWorks conference serves as a signature event and platform to connect construction and consulting suppliers with Metropolitan, the member agencies, and other public agencies. This event offers a deeper understanding of how to conduct business with Metropolitan and highlights the resources available to support participation in public contracting. This year, Metropolitan hosted the event on October 23, 2025, at Pacific Palms in the City of Industry.

Six member agencies provided updates to participants on their respective Capital Improvement Projects and shared future contracting opportunities, offering local businesses direct insight into upcoming opportunities to bid on public works projects. This includes: City of Glendale, City of Santa Monica, City of Pasadena, Inland Empire Utility Agency, Los Angeles Department of Water & Power, West Basin Municipal Water District and San Diego County Water Authority (Exhibitor only).

This year, we are proud to announce that Metropolitan achieved a new milestone, with over 600 attendees joining us at the in-person event. This record-breaking number of attendees came together in a dynamic environment, exchanging ideas and connecting with a wide range of opportunities to bid on upcoming infrastructure projects. Heartfelt thanks to Chair Ortega and Director Erdman for their attendance and leadership.



Chair Ortega Addressing the Crowd at MetWorks



A Sampling of 600 Attendees that Participated at MetWorks



Chair Ortega Speaking to a MetWorks Attendee



Metropolitan's Staff at MetWorks



Operations Groups

• December Operations Groups Monthly Activities Report

Summary

This monthly report for the Operations Groups provides updates to the General Manager's Business Plan and a summary of activities for November 2025 in the following key areas:

- Enhance Workforce Safety and Security
- Manage Business Operations, Budget, and Staffing
- Ensure Resilient and Reliable Operations
- Advance Pure Water Southern California
- Optimize Water Treatment and Distribution Operations
- Ensure Water Quality and Environmental Compliance
- Optimize Maintenance and Asset Management
- Support Capital Project Development and Implementation
- Enhance Emergency Preparedness and Response
- Ensure Power and Environmental Regulatory Compliance
- Engage in Legislative and Regulatory Processes
- Advance Education and Outreach Initiatives
- Engage with Member Agencies & Other Stakeholders on Technical Matters

Purpose

Informational by the Operations Groups on a summary of key activities and updates for the month of November 2025.

Attachments

Attachment 1: Detailed Report –Operations Groups' Monthly Activities for November 2025

Operations Groups

GM Business Plan Updates

GOAL: Execute CAMP4W Implementation Strategy to Integrate Climate Adaptation District-Wide

OUTCOME: Evaluate projects and programs using the CAMP4W assessment criteria

UPDATE: Operations staff completed the assessment of two CAMP4W projects—Pure Water (45 MGD, 75 MGD, and 150 MGD) and Sites Reservoir—and have begun the Delta Conveyance Project assessment.

OUTCOME: Integrate climate considerations and implement adaptation strategies

UPDATE: Continuing refinement of nitrification control strategies and plan.

GOAL: Complete EIR and Planning, for Board to Consider Pure Water Southern California

OUTCOME: Prepare for possible implementation through contractor outreach and water quality research

UPDATE: Coordinated with Los Angeles County Sanitation Districts to complete installation of snail mitigation equipment at demonstration facility. Staff began a new demonstration testing phase this month for optimized tertiary MBR testing of the advanced water treatment process. Staff also presented a paper on UV/AOP chlorine measurement methods at the American Water Works Association, Water Quality Technology Conference, and participated in two CalVal treatment process utility workshops hosted at Metropolitan's headquarters.

GOAL: Achieve Equitable Supply Reliability for State Water Project Dependent Areas

OUTCOME: Evaluate further potential investments toward addressing State Water Project Dependent Areas

UPDATE: Operations staff continue to analyze future drought sequences and identify potential vulnerabilities to SWP-dependent areas.

GOAL: Provide Organizational Stability and Deliver Operational Excellence

OUTCOME: Maintain excellence in daily operations and reliability

UPDATE: Golden Mussel taskforce continues to assess and design control measures to protect infrastructure and groundwater replenishment deliveries. Staff met with other agencies to discuss feasibility and experiences of various mussel control measures and to develop control plans.

Water continues to be managed according to Water Surplus and Drought Management (WSDM) principles and operational objectives outlined in the Annual Operating Plan, with an emphasis to position SWP supplies to meet future demands in the SWP-dependent areas.

Operations Groups

The Metropolitan Water District of Southern California

Monthly Operations At-A-Glance

November 2025

30-day window: October 18–November 17

Distribution

* denotes change compared to previous 30-Day period

30-Day Member Agency Deliveries

3,860 AF/Day

Change in Deliveries*

▶ **0 AF/Day**

Recorded **October** Deliveries to Member Agencies Consumptive and Replenishment

124 TAF

Forecast **November** Deliveries to Member Agencies Consumptive and Replenishment

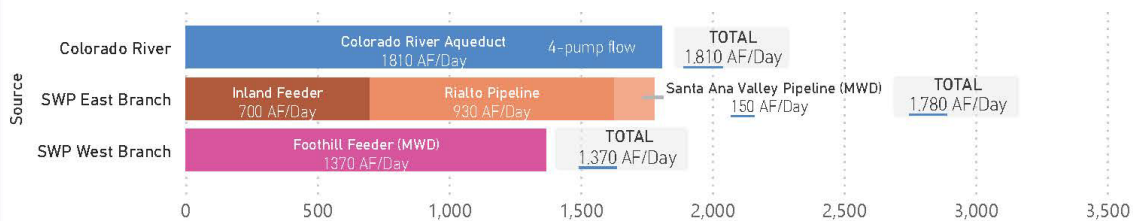
98 TAF

Recorded **October** Deliveries utilizing water programs (CYC, RCYC, CUP, CCOP)

0 TAF

Supply

30-Day Average by Source (AF/Day)



Storage

Data as of November 17, 2025

Lake Mathews

161,900 AF▲ **4,170 AF***

Lake Skinner

42,100 AF▲ **4,020 AF***

Diamond Valley Lake

764,600 AF▼ **-1,910 AF***

Hydropower

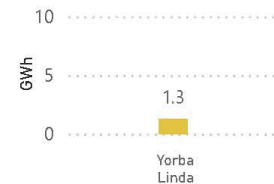
30-Day Total Generation:

1.3 GWh

30-Day Average Power:

1.8 MW

30-Day Total Generation by Plant



Water Quality

Plant Name	Targeted Blend (% SPW)	Current TDS (mg/L)	TTHMs (µg/L)	Flow-Weighted RAA TDS (mg/L)
	As of 11/17/2025	As of 11/12/2025	As of 10/20/2025	
Weymouth	75%	280	26.0	476
Diemer	75%	270	23.0	485
Skinner	75%	447	17.0	482
Jensen	100%	272	10.0	294
Mills	100%	293	18.0	173

TDS = Total Dissolved Solids TTHM = Total Trihalomethanes

RAA = Running Annual Average

Operations Groups

Operations Groups Business Plan Strategic Priorities & Objectives

Strategic Priority #1: EMPOWER

Enhance Workforce Safety and Security

Desert staff attended an asbestos training class at Iron Mountain. The training provides information on how to identify potential asbestos-containing material and safe work methods when working around asbestos-containing materials.



Staff attending asbestos training at Iron Mountain

To improve facility safety at the Skinner plant, stairs and handrails were upgraded between the lower parking lot and middle parking lot. The stairs were previously made from wood and had deteriorated due to age, which caused a tripping hazard. The new stairs are made of concrete with metal handrails, which are sturdier, safer, and should last for many years.



Newly upgraded stairs at the Skinner plant parking lot

Operations Groups

Strategic Priority #2: SUSTAIN

Manage Business Operations, Budget, and Staffing

The Business Management Team (BMT) is working with Finance to create the FY27 & FY28 biennial budget book in Workiva. The BMT is also working with Section Managers and External Affairs to develop updated “quick fact sheets” for Operations Groups facility sites to be used as an informational reference document for new hires. Metropolitan’s new General Manager Designate is the first to receive these documents during his facility visits. These quick fact sheets include information such as facility history, capital improvement projects, maps, staffing information, and interesting facts and features of each facility.

Joseph Jensen Water Treatment Plant



Joseph Jensen Water Treatment Plant was named after Metropolitan's longest serving board chair, who led the district board from 1949 to 1974. The Jensen plant receives its source water from Castaic Lake on the State Water Project. Located in Granada Hills, the plant has a capacity to treat 750 million gallons per day and helps to supply the San Fernando Valley, Ventura County, West Los Angeles, Santa Monica and the Palos Verdes Peninsula. During wet years, water from the Jensen plant can be delivered as far as south Orange County.



Constructed: 1972
Expanded: 1996
Capacity: 750 MGD
Source: State Water Project
Serves: Ventura County, Orange County & Los Angeles Basin
Location: Granada Hills
Site: 200 Acres

CIP Projects

CURRENT IMPROVEMENTS

- Jensen Battery Energy Storage Systems - Completion March 2025
- Jensen Fluoride Tank Replacement - Completion March 2026
- Control Room Wildfire Smoke Control - Completion June 2026
- Jensen Wastewater Reclamation Plant #2 Fluorinator Rehabilitation - Completion December 2026

RECENT IMPROVEMENTS

- Ozone Power Supply Units and Generator Dielectrics - Completed 2025
- Jensen Administration Building Entrance GFCI Panel Replacement - Completed 2025

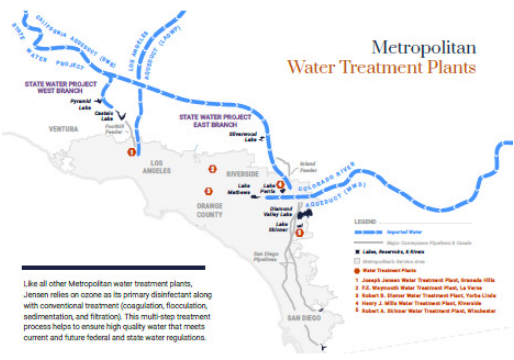
FUTURE PROJECTS

- Mechanical Dewatering Facility
- Electrical System Reliability Upgrades, Phase 3
- Reservoir 2 Floating Cover Replacement and Mixing Improvements
- Security Upgrades
- Low Flow Capacity Improvements

Staffing

- 59 Jensen Unit** - 14 Operators, 11 Mechanics, 10 Electricians, 12 Control System Technicians, 9 Apprentices, 9 Management and Administration responsible for operating and maintaining the treatment plant and conveyance & distribution system
- 13 Valley Conveyance & Distribution Team** - Comprised of 13 Mechanics and 1 manager responsible for maintaining equipment associated with the Valley conveyance & distribution system.
- 7 Site Support** - 1 Safety & Environmental Field Representative, 2 Field support, 1 Water Quality Chemist, 1 Storekeeper, 1 Plant Engineer, 1 Security Specialist

Joseph Jensen Water Treatment Plant

Like all other Metropolitan water treatment plants, Jensen relies on ozone as its primary disinfectant along with conventional treatment (coagulation, flocculation, sedimentation, and filtration). This multi-step treatment process helps to ensure high quality water that meets current and future federal and state water regulations.




THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA //

// NOVEMBER 2025

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA //

// NOVEMBER 2025

Two-page quick fact sheet for the Jensen plant

Operations Groups

Strategic Priority #3: ADAPT

Ensure Resilient and Reliable Operations

Metropolitan member agency water deliveries are projected to be 98,000 acre-feet (AF) for November with an average of 3,270 AF per day, which is about 570 AF per day lower than in October. Treated water deliveries were 16,700 AF lower than in October for a total of 46,100 AF, or 47 percent of total deliveries for the month. The Colorado River Aqueduct (CRA) projected diversions are 54,800 AF in November. State Water Project (SWP) imports averaged 3,160 AF per day, totaling about 94,900 AF for the month. The target SWP blend is currently 75% at the Weymouth, Diemer, and Skinner plants.

Metropolitan has sufficient SWP and Colorado River supplies, combined with ample storage reserves to meet demands in 2025. Water continues to be managed according to Water Surplus and Drought Management (WSDM) principles and operational objectives with an emphasis on positioning SWP supplies to meet future demands in the SWP dependent area. The SWP Allocation is 50% for the calendar year, and Metropolitan is operating to manage its surplus supplies. Cyclic program deliveries were paused in late September due to increased detections of the invasive golden mussel. In response, CRA pumping has been reduced and SWP blends at the treatment plants are scheduled to increase for the remainder of the year.

Advance Pure Water Southern California

During November, staff worked with the Los Angeles County Sanitation Districts (LACSD) to complete the installation of snail mitigation equipment. Each piece of the equipment will be commissioned and optimized through November and December to support the transition to the next phase of testing. This next phase tests an optimized membrane bioreactor (MBR) of the advanced water treatment process. Activities completed so far include commissioning the ultrafine screen and transitioning the plant feed influent to chlorinated secondary effluent. Staff provided support to LACSD during their air emission tests.



Staff working with vendor and LACSD research partner to install snail mitigation equipment at the demonstration facility

Operations Groups

Additionally, staff participated in the CalVal Membrane Filtration and Reverse Osmosis Utility Workshops hosted at Metropolitan's headquarters on November 19 and 20. CalVal is a collaborative effort to develop guidance for practical implementation of potable reuse projects in California.



Attendees at CalVal reuse guidance workshop hosted at Metropolitan's headquarters

Strategic Priority #4: PROTECT

Optimize Water Treatment & Distribution Operations

The SWP target blend entering the Weymouth and Diemer plants decreased from 100 percent to 75 percent after completion of the Lake Mathews outage and remained at 75 percent in November 2025. The SWP target blend entering Lake Skinner increased to 75 percent and remained at that target in November 2025.

Flow-weighted running annual averages for total dissolved solids from October 2024 through September 2025 for Metropolitan's treatment plants capable of receiving a blend of supplies from the SWP and the CRA were 548 mg/L, 531 mg/L, and 542 mg/L for the Weymouth, Diemer, and Skinner plants, respectively.

Operations Groups

Staff at the Skinner plant are replacing the primary electrical components of the ozone system that are used to convert electrical energy for ozone generation. These critical components, called Insulated Gate Bipolar Transistors or IGBTs, have been in service for over 15 years and are at the end of their useful life.



Skinner staff staging ozone generator components for replacement

Operations Groups

Ensure Water Quality and Environmental Compliance

Metropolitan complied with all water quality regulations and primary drinking water standards during October 2025.

A quarterly meeting with the State's Division of Drinking Water on November 25 covered regulatory, engineering, and water system updates, treatment plant pH adjustments, and tracer testing at the Diemer plant.

Liquid oxygen (LOX) is stored in pressurized tanks and used to generate ozone for disinfection. At the Jensen plant, the LOX tanks have been in service for over 20 years and have begun to show signs of deterioration and corrosion. To address this, staff coordinated with a contractor to clean and recoat all three tanks. Also, new signage was installed to complete the refurbishment and ensure safe operation.



LOX tanks at the Jensen plant before (left) and after (right) refurbishment

Operations Groups

Optimize Maintenance and Asset Management

Staff continued its corrosion resistance program, recently completing work on the Culver City Feeder at Service Connection WB-26. The piping and equipment were sandblasted and then treated with multiple layers of epoxy coating were applied to extend their service life.



Staff applying epoxy coating to a plug valve

Staff installed a riprap grade control wall on the West Valley Feeder No. 2 in the City of Chatsworth. During last year's storms, it was noted that the concrete encasement for the feeder was exposed where the pipeline crosses Aliso Creek in the Aliso Debris Basin, owned by the Los Angeles County Flood Control District. Due to its unique location, close coordination was required between Operations, Engineering, Environmental, and Los Angeles County staff.



Exposed West Valley Feeder No. 2 (left) and staff installing riprap grade control (right)

Operations Groups

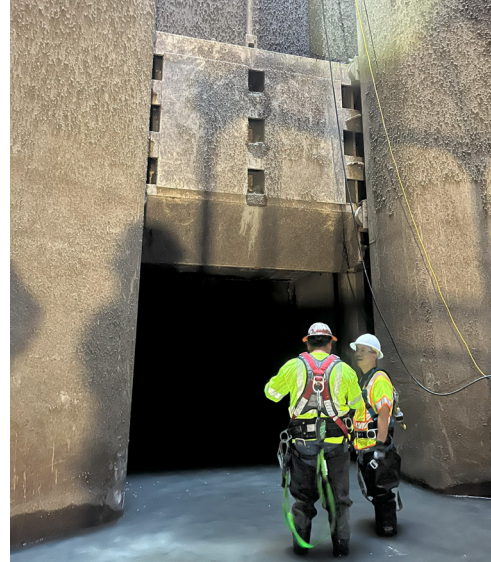
Severe corrosion was recently identified at the central column structures of sludge thickeners S1 and N1 at the Diemer plant. In response, staff inspected the sludge thickeners and recommended that they be taken out of service. Following this assessment, staff coordinated an inspection and scheduled interim repair work to reinforce the structural supports. These measures will remain in place until a full rehabilitation can be completed.



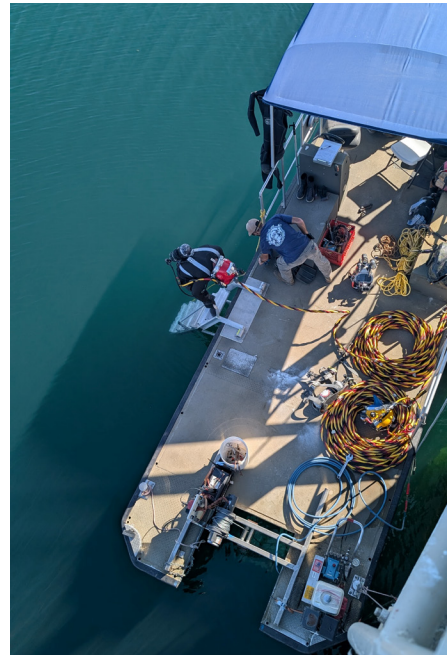
Staff inspecting the sludge thickeners at the Diemer plant

Operations Groups

Staff completed inspection, cleaning, and repairs at numerous locations around the Lake Mathews facility during the recent shutdown.



Staff working at the forebay (left) and inspecting the large 10-foot wide isolation gate at the junction shaft at Lake Mathews (right)



Divers setting up for work on Outlet Tower #2 during the Lake Mathews shutdown (left) and entering the water to replace a valve actuator (right)

Operations Groups



Main entrance to the shaft and tunnel system at Lake Mathews being lowered down 160 feet by crane

Operations Groups

Staff rebuilt and installed one of four surface wash pumps at the Mills plant. These pumps are critical to the filter backwash process and essential for maintaining filter performance. The pump had been in service for 18 years and predictive maintenance data indicated signs of excessive wear. Staff scheduled an outage to remove and refurbish the pump and motor.



Staff installing a rebuilt surface wash pump at Mills plant

Operations Groups

Weymouth plant staff made repairs to the industrial water system. A corroded pipe that had been previously patched was replaced. While the pipe was isolated, staff installed a valve making it easier for isolation in the future. A reducing flange was fabricated and coated by staff. To accommodate the valve installation, a new PVC piping assembly was installed to ensure a reliable supply of industrial water.



Corroded and patched piping (left) and newly fabricated and coated reducing flange (right) for the Weymouth industrial water system



Newly installed reducing flange, valve, and PVC piping

Operations Groups

Desert staff continue to fabricate and install new cooling water lines for the CRA pumps. Staff is in the process of fabricating a new stainless pipe manifold for Hinds pump plant Unit 5.



Staff fabricating stainless pipe for Hinds pump plant Unit 5 cooling water system

Staff collaborated to perform an urgent plumbing repair at Iron Mountain pump plant. They observed a portion of asphalt settling and identified an underground cooling water pipe leak as the cause. The area was excavated, and a repair band was installed to mitigate the leak.



Staff repairing a cooling water pipeline leak at Iron Mountain pump plant

Operations Groups

Staff at Intake pump plant are performing annual electrical preventative maintenance on Unit 9. Staff rack out and isolate the 6.9kV circuit breaker to perform preventative maintenance. The maintenance includes electrical testing, cleaning, and lubrication of mechanical linkages and components.



Staff prepares a 6.9kV circuit breaker for maintenance at Intake pump plant

Desert staff continue patrol road maintenance on the 230kV transmission system. Normal wear and tear in addition to recent monsoon storms led to the patrol roads becoming difficult to navigate. Well maintained patrol roads allow staff to quickly respond to remote areas for maintenance or emergency repair.



Staff on 230kV transmission line patrol road maintenance

Operations Groups

Staff continues with rebuilding Eagle Mountain pump plant Unit 9 pump. In addition to new bearings, wear sleeves, oil tub and instruments, the pump housing and associated components have been blasted and coated.



Eagle Mountain pump plant Unit 9 rehabilitation

Support Capital Project Development and Implementation

Desert staff hosted this year's Board of Directors Engineering, Operations and Technology (EOT) Committee site visit. Staff provided updates on several capital projects, including a first-hand look at the equipment and facilities that will benefit from these improvements. They also explained the operation of the CRA, its pumping plants, and the many components that ensure reliable water deliveries to Southern California.



EOT Committee site visit at Eagle Mountain pump plant

Operations Groups

Multiple meetings and project team site visits were conducted during November to address the requirements for security, information technology, fireproofing, waste management, and other ancillary utilities for the ongoing final design of the Water Quality Laboratory seismic retrofit and building upgrade project.

Enhance Emergency Preparedness and Response

Diemer plant staff, in collaboration with the Orange County Fire Authority, recently carried out a series of operational tests on the new Heli-Hydrant. The testing involved multiple helicopter passes, during which the “hydrant - tank” was filled with water and firefighting helicopters were able to draw water into their onboard tanks. The Heli-Hydrant will provide fire protection to the community surrounding the Diemer plant.



Orange County Fire Authority testing the new Heli-Hydrant at the Diemer plant

Operations Groups

Weymouth plant staff carried out essential maintenance and testing of the Emergency Power System (EPS) for the Weymouth and La Verne facilities. This process involved coordination with multiple teams and required the facility to be powered by two, large portable generators during these critical maintenance and testing activities. The maintenance and testing were completed successfully, and the facility was restored to normal utility power, while ensuring that no essential treatment processes were disrupted.



Staff making transformer connections (left) and generators and transformer being staged for service (right) for testing of an Emergency Power System at Weymouth plant

Operations Groups

Ensure Power and Environmental Regulatory Compliance

The fall operating period has been relatively mild across the California Independent System Operator (CAISO) and Western Electricity Coordinating Council (WECC) operational footprints. Energy markets in November 2025 have seen adequate natural gas supplies and moderate energy prices. Capacity prices for Resource Adequacy requirements have bottomed out and are seeing a slight upward trend for 2026.

The CRA averaged about four pumps in November 2025. The CRA energy cost forecast for fiscal year 2025/26 is \$83.8 million and current forecasts are tracking significantly lower at \$57.0 million, due to lower overall pumping activity, lower forward cost curves, and active management of Hoover scheduling to optimize for market conditions.

Staff worked with Metropolitan's energy scheduling coordinator ACES to issue a Request for Offers (RFO) for surplus Import Allocation Rights (IARs) at the Mead hub. From time to time, Metropolitan has an opportunity to sell IARs, or excess transmission capacity on the CRA system, without impacting operations. Offers were received and a transaction was approved to sell surplus IARs for January 2026. The total value of all IAR transactions for 2026 is just under \$1 million.

Staff continued work on Metropolitan's first ever affected system cluster study for generation developers seeking to connect to transmission systems adjacent to the Colorado River Aqueduct transmission system (CRATS). This study includes several active generation projects connecting to the Southern California Edison (SCE) and Western Area Power Administration (WAPA) systems that could impact Metropolitan's 230 kV CRATS. Staff presented an innovative preliminary interim mitigation, or "bridge", agreement to the EOT Committee and Board to support a portion of the Easley solar and battery storage project. The agreement will enable developers to secure funding and reach commercial operation while permanent mitigations are developed, and will limit energy output in coordination with the California ISO until system upgrades are complete.

Power scheduling staff are closely monitoring the U.S. Bureau of Reclamation (USBR) 24-month forecast for Hoover generation following the announcement in January 2025 that Hoover generation will be significantly curtailed if Lake Mead drops below 1,035 feet. In general, the monthly updates to the forecast indicate that conditions continue to deteriorate. Staff are evaluating potential cost impacts and mitigation strategies.

Operations Groups

Strategic Priority #5: PARTNER

Engage in Legislative and Regulatory Processes

On October 29, 2025, the State Water Resources Control Board's Division of Drinking Water (DDW) adopted new and revised notification and response levels (NLs and RLs) for four per- and polyfluoroalkyl substances (PFAS)—PFOA, PFOS, PFHxS, and PFHxA. The notification levels for PFOA and PFOS were lowered to 4.0 parts per trillion (ppt), while the response level for PFHxS was reduced from 20 ppt to 10 ppt. Notification and response levels for PFHxA were established for the first time at 1,000 ppt and 10,000 ppt, respectively. These levels were developed in coordination with the Office of Environmental Health Hazard Assessment (OEHHA), which has finalized Public Health Goals (PHGs) for PFOA and PFOS and is currently developing PHGs for PFHxS and PFNA. These notification and response levels are non-regulatory, health-based benchmarks intended to guide public water systems in managing PFAS detections while formal maximum contaminant level (MCL) development is under consideration. Staff will continue to monitor DDW implementation, reporting requirements, and OEHHA's ongoing PHG development.

Advance Education and Outreach Initiatives

Staff provided tours of the Michael J. McGuire Water Quality Laboratory for the Urban Water Institute on November 4 and staff from the City of La Verne on November 12. Staff also attended the American Water Works Association Water Quality Technology Conference (November 10-12) and presented technical papers on measuring chlorine for UV/AOP in potable reuse applications, golden mussels in the State Water Project, and indicator microbes for potable reuse process controls.

On November 20, staff participated in the University of La Verne STEM Career Fair to highlight water industry careers in science and engineering fields.

Operations Groups

Engage with Member Agencies & Other Stakeholders on Technical Matters

On November 5, Water Quality staff coordinated and led the recurring AWWA PFAS Working Group meeting. Presentation and discussion topics included an update on the state's efforts to adopt federal PFAS maximum contaminant levels, the plan to issue monitoring orders to public water systems to support initial monitoring requirements, and a PFAS monitoring study using a non-targeted analysis method.

Staff hosted a tour of the Michael J. McGuire Water Quality Laboratory on November 6 and led technical discussions for the Southern California Municipal Laboratory group. This group connects laboratory professionals from regional water agencies, fostering collaboration to advance water quality science. The regional laboratory partnership strengthens Metropolitan's efforts alongside fellow agencies to exchange knowledge, standardize scientific methods, and coordinate research initiatives. This partnership promotes and enhances the collective ability to address emerging contaminants, meet evolving regulatory standards, and ensure the continued safety and reliability of water supplies across the region.

On November 13, over 80 people attended a Member Agency Water Quality Manager's Meeting that was hosted virtually with 55 external participants representing 17 Member Agencies and the State Water Resources Control Board. Presentation topics included regulatory and legislative updates on PFAS, hexavalent chromium, perchlorate, fluoridation, and manganese, Metropolitan's response to golden mussels, consolidation of statewide NPDES pest control permits, and revisions to Consumer Confidence Reports and the definition of Waters of the United States.



Staff explaining the history and activities of Metropolitan's Water Quality Laboratory to the Southern California Municipal Laboratory group