



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

Board Report

Engineering Services Group

- **Capital Investment Plan Quarterly Report for Period Ending March 2025**

Summary

The attached report provides a summary of actions and accomplishments on the Capital Investment Plan (CIP) during the third quarter of fiscal year 2024/25. 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 January to March 2025, the third quarter of fiscal year 2024/25, and the third 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 March 2025



The Metropolitan Water District of Southern California

Capital Investment Plan Quarterly Report

January - March 2025



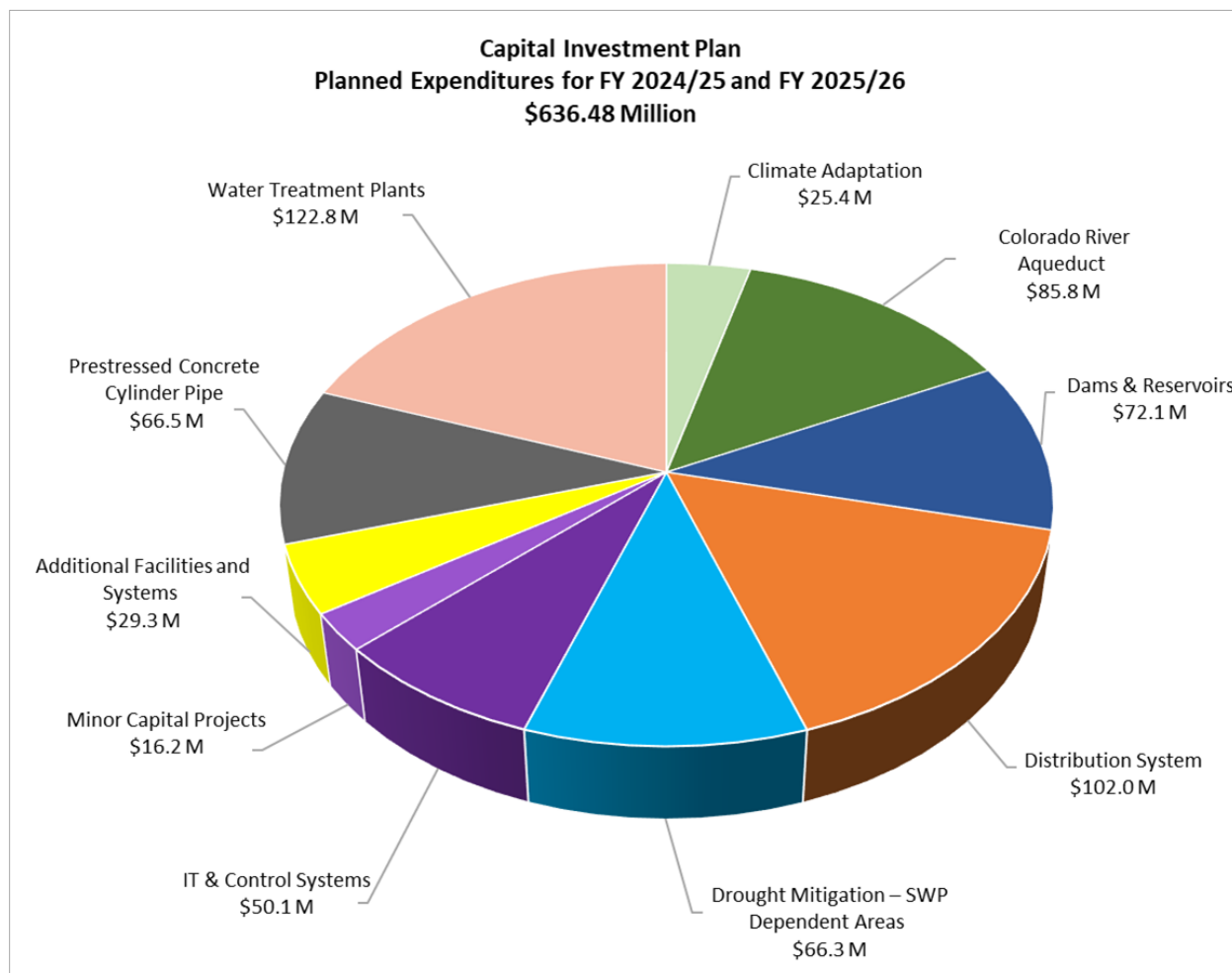
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Capital Investment Plan for Fiscal Years 2024/25 & 2025/26

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): *Perris Valley Pipeline I-215 Tunnel Crossing* – Rigging and placing 96-inch-diameter pipe in Tunnel Shaft No. 1; *Badlands Tunnel Surge Protection Facility* – Installation of steel tank shell for the surge tank; *Weymouth Basins Nos. 5-8 and Filter Building No. 2 Rehabilitation* - Installation of new flocculation paddles and baffle walls at Basin No. 6]

Executive Summary

This report provides a summary of the Capital Investment Plan (CIP) activities and accomplishments during the 3rd Quarter of Fiscal Year (FY) 2024/25, which ended in March 2025. CIP expenditures through the 3rd Quarter totaled approximately \$271.5 million with 44 active procurement and construction contracts at the end of the quarter. The expenditures are projected to stay above plan through the 1st half of the next fiscal year before ending the biennium near the planned expenditure of \$636.48 million. The CIP funds allocated to specific projects through the reporting quarter totaled approximately \$469.4 million, leaving approximately \$167.1 million available to be allocated during the remainder of the current biennium.

During the quarter, five project-specific board actions were heard in open sessions. Two construction contracts and four procurement contracts were awarded by the Board during the reporting period with a total contract amount of approximately \$8.9 million. During the same time, a total of approximately \$40.1 million in contract payments were authorized, reflecting construction progress on projects such as Badlands Tunnel Surge Protection Facility; CRA Freda Siphon Barrel No. 1 - Internal Seal Installation; Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings; Inland Feeder/Rialto Pipeline Intertie; Mills Electrical Upgrades - Stage 2; Perris Valley Pipeline Interstate 215 Tunnel Crossing; Rialto Pipeline Rehabilitation at Station 2986+30; San Diego Canal Concrete Liner Replacement – Site 236; Second Lower Feeder PCCP Rehabilitation - Reach 3B; and Weymouth Water Treatment Plant Basins Nos. 5-8 & 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, Lakeview Pipeline Relining – Stage 2, Sepulveda Feeder PCCP Rehabilitation – Reaches 2 and 9, Lake Mathews Pressure Control Structure and Electrical Upgrades, Garvey Reservoir Rehabilitation – Stage 1, Foothill/Inland Feeder Intertie, Diemer Filter Improvements, and numerous zero emissions fleet infrastructure and security projects.

Staff has commenced CIP budget process for the next biennium. 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 3rd Quarter, board actions heard in open session included five CIP project-specific actions summarized in Table 1 below. These actions awarded six contracts totaling approximately \$8.9 million and authorized increases to three existing professional/technical services agreements totaling approximately \$6.8 million. The table below excludes information on any board items heard in closed session.

Table 1: 3rd Quarter Board Actions

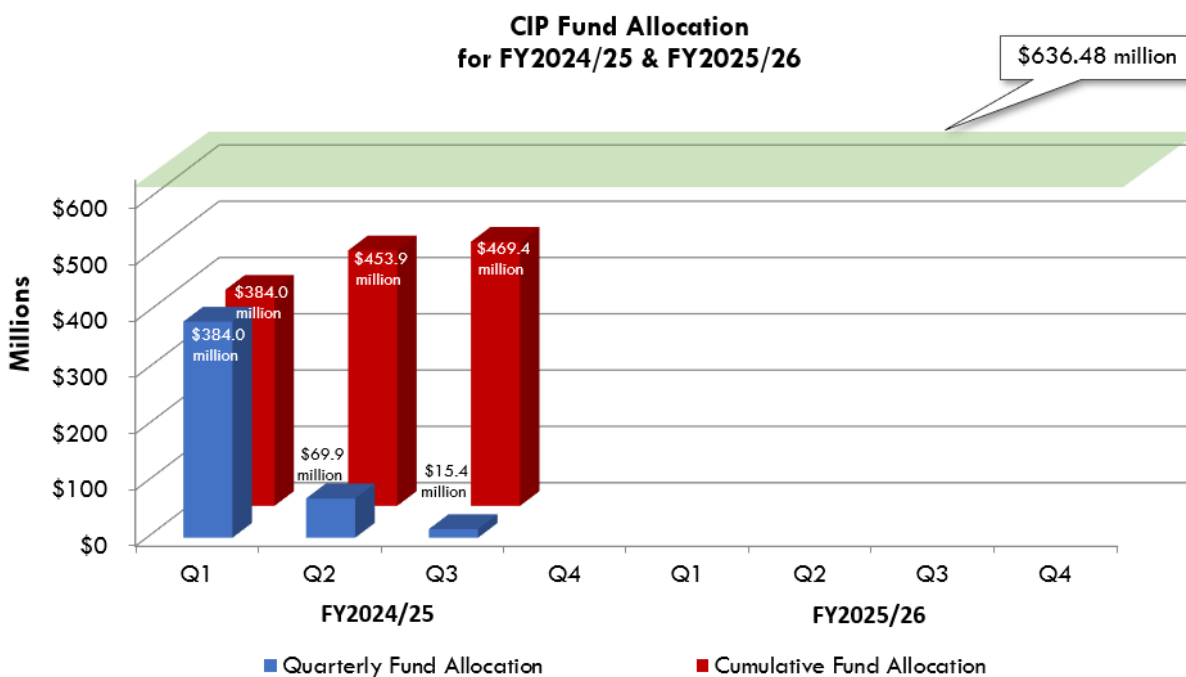
Month	Board Letter Item No.	Project	Action Taken
January	7-1	Mills and Jensen Finished Water Reservoirs Rehabilitation	Authorized an increase of \$5,550,000 to an existing agreement
February	7-1	Desert Microwave Tower Sites Upgrade	Awarded a \$2,556,478.19 construction contract, awarded a \$1,531,044 procurement contract, authorized a total increase of \$1,271,000 to two existing agreements
February	7-2	CRA Employee Housing Fencing and Shade Structure Improvements	Awarded a \$1,931,217 construction contract

Month	Board Letter Item No.	Project	Action Taken
March	7-1	Copper Basin Reservoir Sodium Hypochlorite Tanks Replacement	Awarded a \$407,740.66 procurement contract
March	7-2	Hollywood Tunnel North Portal Control Structure Upgrades	Awarded a \$321,575 procurement contract for two gate valves and a \$2,151,947 procurement contract for two sleeve valves

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 3rd Quarter, no unplanned CIP projects were authorized by the Board.

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 \$469.4 million, leaving approximately \$167.1 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 3rd Quarter, approximately \$20.3 million was allocated for new work authorized, and approximately \$4.9 million was reallocated back to the CIP Appropriation No. 15535. 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 3rd Quarter of FY 2024/25 is presented in the **Construction and Procurement Contracts** section of this report. Progress payments for these contracts in the 3rd Quarter totaled approximately \$40.1 million and primarily reflect construction progress on Badlands Tunnel Surge Protection Facility; CRA Freda Siphon Barrel No. 1 - Internal Seal Installation; Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings; Inland Feeder/Rialto Pipeline Intertie; Mills Electrical Upgrades - Stage 2; Perris Valley Pipeline Interstate 215 Tunnel Crossing; Rialto Pipeline Rehabilitation at Station 2986+3; San Diego Canal Concrete Liner Replacement – Site 236; Second Lower Feeder PCCP Rehabilitation - Reach 3B; and Weymouth Water Treatment Plant Basins Nos. 5-8 & Filter Building No. 2 Rehabilitation.

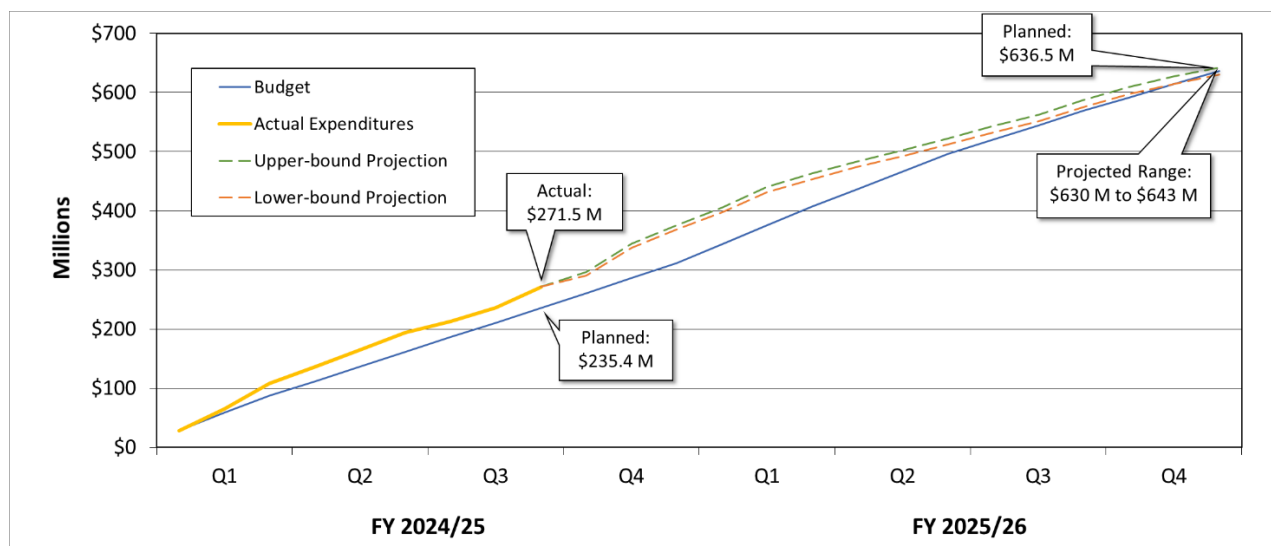
Planned Expenditure and Budget

Table 2 below shows the planned and actual expenditures for the biennium through the end of the 3rd Quarter of FY 2024/25. 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 3rd Quarter of FY 2024/25 were approximately 115% of planned expenditures.

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

Quarter	Planned Expenditures (millions)	Actual Expenditures (millions)
FY 2024/25, Q1	\$87.2	\$107.7
FY 2024/25, Q2	\$74.3	\$86.0
FY 2024/25, Q3	\$73.9	\$77.8
Totals	\$235.4	\$271.5

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 \$630 million and \$643 million, with the actual expenditures approximately 15% higher than the planned expenditures during the 3rd Quarter of FY 2024/25. The variance above the planned expenditures in this quarter is mainly due to several factors, including unplanned spending on urgent relining of distressed PCCP segments of the Allen-McColloch Pipeline, revised construction contract payments for awarded contracts based on updated project schedules and contractor work plan shifts, and anticipated higher contract bids for key upcoming contracts.

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. During the reporting quarter, State funds were 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 entered into a grant agreement with USBR 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 \$2.5 million from the WaterSMART grant and \$15.6 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 through December 2024 were submitted and approved by DWR for \$11.9 million. As of March 2025, a total of \$22.3 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. 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 continued compiling information to prepare a National Environmental Policy Act (NEPA) document, preparing a consultation letter to initiate the permit consultation process, and developing a formal funding agreement.

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 has been completed and commissioning & startup are expected to be completed in the first quarter of FY 2025/26. Jensen and Skinner BESS constructions are currently underway and expected to be completed in the first 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 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 1,900 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 March 2025, a total reimbursement of \$976,589 has been received from the Delta Conservancy. Staff is currently negotiating with a farming partner to convert the existing agricultural lands to rice farming. A Metropolitan board action to award a farming lease agreement is expected in summer of 2025. Wetland design is ongoing, with the final design and permitting estimated to be completed in the summer of 2025 and construction 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 (Diemer plant). The project will be partially funded by a \$500,000 grant 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. The construction is underway and is estimated to be completed in the summer of 2025.

Major Capital Programs Overview

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

- Program
- Project Group/Appropriation
- Project

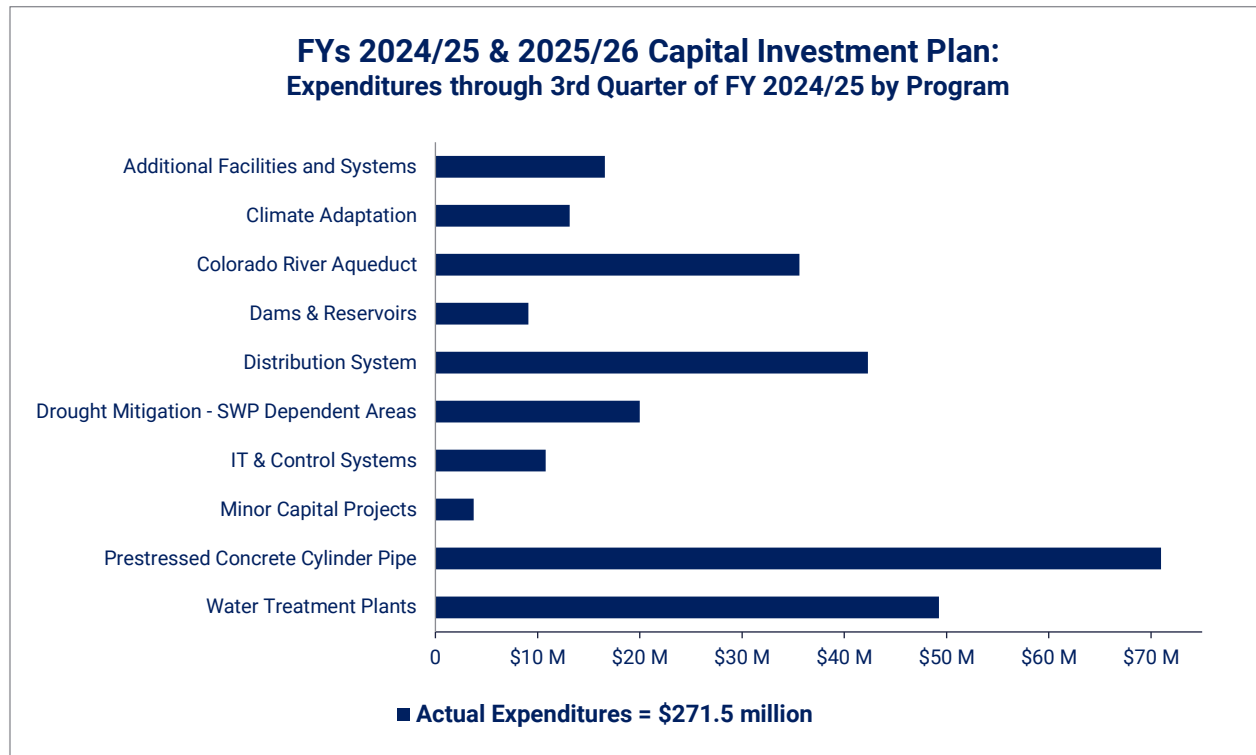
Metropolitan's CIP is comprised of 10 programs, which capture all projects within the CIP. The 10 programs are listed below in alphabetical order. Programs are comprised of one or more project groups/appropriations, and project group/appropriations are comprised of one or more projects. The status of 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 3rd Quarter of FY 2024/25.

Figure 4: Biennium-to-date Actual Expenditures through 3rd Quarter FY 2024/25



Major Capital Project Programs – Highlights

This section provides 3rd 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 3rd Quarter of FY 2024/25 or are scheduled to achieve major milestones in the next quarter.

Table 3: Major Capital Projects Programs

Program	Project
Additional Facilities and Systems	La Verne Shops Upgrades – Stage 5: Building Completion
Climate Adaptation	Zero Emission Fleet Pilot Infrastructure - Stage 1
Colorado River Aqueduct (CRA)	CRA Pumping Plant Sump System Rehabilitation
Dams & Reservoirs	Garvey Reservoir Rehabilitation - Stage 1
Distribution System	San Diego Canal Concrete Liner Replacement – Site 236
Drought Mitigation - SWP Dependent Areas	Inland Feeder/Rialto Pipeline Intertie
Information Technology (IT) & Control Systems	Headquarters Network Switch Replacement
Prestressed Concrete Cylinder Pipe (PCCP)	Second Lower Feeder PCCP Rehabilitation - Reach 3B
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 Mar. 2025)
\$16.57 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 (3rd 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 for the following projects:
 - Diamond Valley Lake East Marina Utilities
 - Diamond Valley Lake Floating Restroom Replacement
 - Diamond Valley Lake to Lake Skinner Trail
 - Eagle Rock Security Upgrade – Stage 1
 - Lake Mathews Aboveground Storage Tank Replacement
- Continued preliminary design for 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
 - La Verne Water Quality Laboratory Building Upgrades
- Continued study for the following project:
 - CRA Aircraft Facility Improvements – Stage 2
- Headquarters Fire Alarm/Smoke Control Upgrades
 - Obtained final sign-off by fire department after final inspection and testing
- La Verne Water Quality Laboratory Equipment Replacement
 - Continued preliminary design and procurement of laboratory equipment

Upcoming Activities

Upcoming work for the next quarter will include:

- Continue construction for the following projects:
 - Diamond Valley Lake Floating Wave Attenuator System Improvements – Stage 2
 - La Verne Shops Upgrades – Stage 5: Building Completion
- Advertise construction contract for the following project:
 - Lake Mathews Aboveground Storage Tank Replacement
- Continue final design for the following projects:
 - Diamond Valley Lake East Marina Utilities
 - Diamond Valley Lake Floating Restroom Replacement
 - Diamond Valley Lake to Lake Skinner Trail
 - Eagle Rock Security Upgrade – Stage 1
- Complete preliminary design for the following project:
 - La Verne Water Quality Laboratory Building Upgrades
- Continue preliminary design for 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 for the following project:
 - CRA Aircraft Facility Improvements – Stage 2
- La Verne Water Quality Laboratory Equipment Replacement
 - Continue preliminary design and procurement of laboratory equipment

La Verne Shops Upgrades – Stage 5: Building Completion

Total Project Estimate:
\$26.7 million

Total Project Cost to Date:
\$25.4 million

This project will procure and install new fabrication and machine shop equipment, including a hydraulic shear, hydraulic press brake, waterjet cutting system, horizontal/vertical band saw, and vertical milling center and complete building and utility improvements for several shop buildings on the grounds of the Weymouth plant.

Phase	Construction
% Complete for Current Phase	95%
Construction Contract Award	May 2022
Estimated Construction Completion Date	August 2025
Contract Number	1885

The contractor completed installation of the new unit substation and commissioned the refurbished blast booth. In the upcoming quarter, the contractor will begin installing the new vertical milling center platform, testing the new plasma cutting system, and complete installation of new vertical band saw.



Installation of safety shower and eyewash in the coating shop at La Verne

Climate Adaptation Program

Actual Biennium Expenditures
(Jul. 2024 through Mar. 2025)
\$13.14 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 (3rd Quarter)

Accomplishments

- Advanced Water Treatment Demonstration Facility
 - Continued preparation of improvement plans to address long-term site security
 - Initiated 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
- Battery Energy Storage Systems (BESS) at Jensen, Weymouth, and Skinner Plants
 - Completed construction and filed Notice of Completion (NOC) for the Weymouth Plant
 - Continued construction at the Jensen and Skinner plants
- Direct Potable Reuse Demonstration (DPR) Facility
 - Continued development of DPR pilot testing and site improvement plans
 - Continued preparation of procurement packages for DPR pilot testing equipment
 - Presented draft DPR testing plan and approach to the Independent Science Advisory Panel (ISAP)
- Zero Emission Vehicle Fleet Infrastructure
 - Districtwide Zero Emission Fleet Infrastructure
 - Continued development of the enhanced programmatic planning and study documents
 - Headquarters Building Zero Emission Vehicle Infrastructure Upgrades – Stage 1
 - Continued final design and completed the constructability review workshop
 - Zero Emission Fleet Pilot Infrastructure – Stage 1
 - Initiated installation of two pilot charging stations at the Weymouth plant
 - Zero Emission Fleet Pilot Infrastructure – Stage 2, Phase 1
 - Completed design of a total of five Level 2/2+ charging stations at Lake Mathews, Weymouth plant, Jensen plant, and Skinner plant
 - Continued design of a total of three Level 3 fast charging stations at Mills plant, Weymouth plant, and Gene pumping plant

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
 - Continue preparation of physical security improvement plans to address long-term site security
- Battery Energy Storage Systems at Jensen, Weymouth, and Skinner Plants
 - Continue construction at the Jensen and Skinner plants

- Direct Potable Reuse Demonstration Facility
 - Advertise procurement packages for DPR pilot testing equipment
 - Conduct a value engineering workshop on the proposed DPR pilot testing approach and site improvements
 - Continue development of DPR pilot testing and site improvement plans
- Zero Emission Vehicle (ZEV) Infrastructure Upgrade projects:
 - Districtwide Zero Emission Fleet Infrastructure
 - Begin coordination with the utility service providers
 - Complete the enhanced programmatic planning and study document for the Weymouth plant
 - Continue the enhanced programmatic planning and study documents for the remaining 16 sites
 - Headquarters Building Zero Emission Vehicle Infrastructure Upgrades – Stage 1
 - Continue final design
 - Zero Emission Fleet Pilot Infrastructure – Stage 1
 - Complete testing, commissioning, and integration of pilot chargers installed at the Headquarters Building and installation at the Weymouth plant
 - Zero Emission Fleet Pilot Infrastructure – Stage 2, Phase 1
 - Begin hazmat survey and installation of a total of five Level 2/2+ charging stations at Lake Mathews plant, Weymouth plant, Jensen plant, and Skinner plant
 - Complete design of a total of three Level 3 fast charging stations at Mills plant, Weymouth plant, and Gene pumping plant

Zero Emission Fleet Pilot Infrastructure - Stage 1

Total Project Estimate:

\$0.2 million

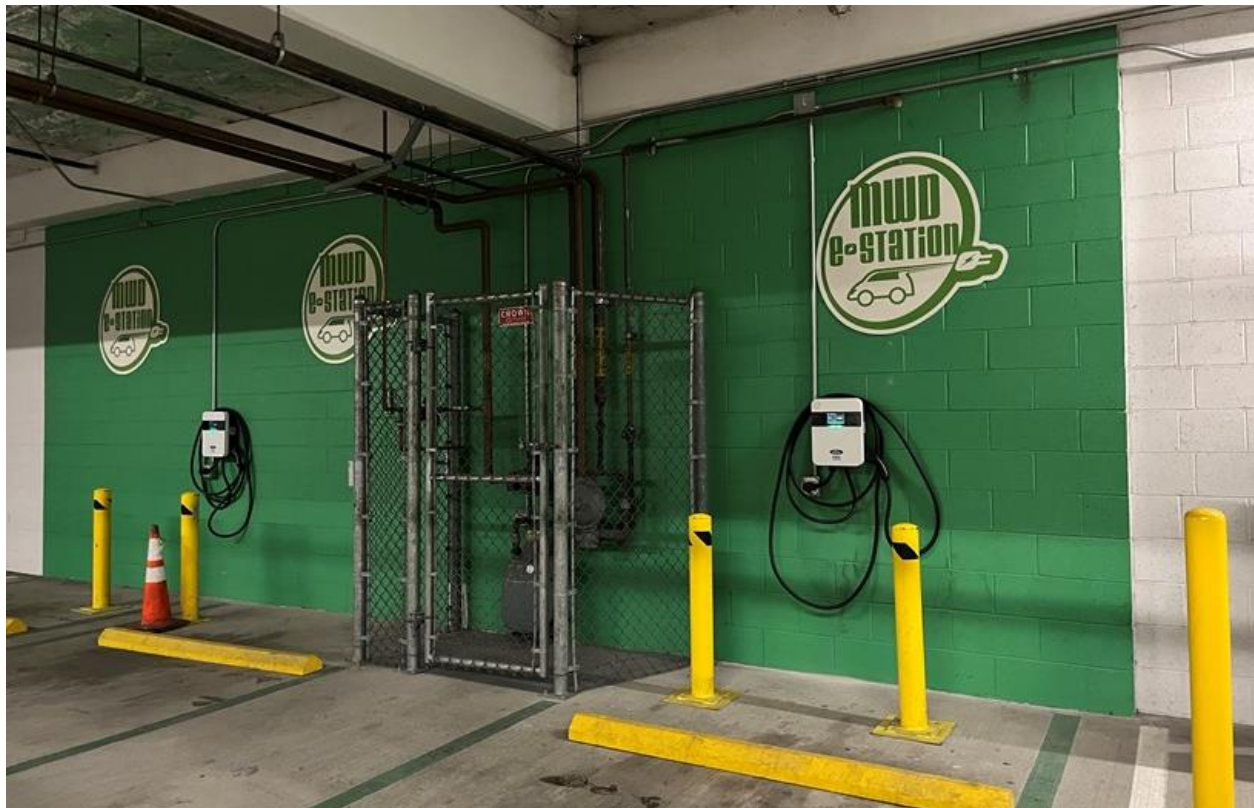
Total Project Cost to Date:

\$0.1 million

This project will design and install four pilot chargers at two district facilities to test the chargers and obtain user feedback to develop an efficient plan to deploy chargers across the district. Activities include testing software to meet mandated Zero Emission (ZE) and Near-Zero Emission (NZE) state and local regulations and comply with California Environmental Quality Act (CEQA) Greenhouse Gas (GHG) reductions identified in Metropolitan's Climate Action Plan (CAP).

Phase	Design and MetForce Construction
% Complete for Current Phase	60%
Current Phase Authorized	November 2023
Estimated Project Completion Date	June 2025

Testing of two Level 2 charging stations at Headquarters Building was conducted. In the upcoming quarter, the testing and commissioning at Headquarters Building will be completed and two Level 2 charging stations installation at Weymouth plant will be completed.



Two Level 2 EV chargers in the parking garage at the Headquarters Building

Colorado River Aqueduct (CRA) Program

Actual Biennium Expenditures
(Jul. 2024 through Mar. 2025)
\$35.60 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 (3rd Quarter)

Accomplishments

- Completed construction for the following projects:
 - CRA Conveyance System Flow Level Sensor Installation
 - Gene Pumping Plant Pilot Security Improvements
- Continued construction activities for the following projects:
 - CRA Domestic Water Treatment System Upgrades at all five pumping plants
 - CRA Freda Siphon Barrel Number 1 - Internal Seal Installation
 - Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings
- Continued equipment procurement of the following projects:
 - Gene Pumping Plant Unit No. 1 Brushless Motor Exciter System
 - Intake and Gene Pumping Plants Transformer Bushings and Pressure Device Replacements
- Awarded procurement contract for the following project:
 - Copper Basin Sodium Hypochlorite Tank 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 Plant Village Utility Replacement
 - CRA Pumping Plants Main Pump Access Improvements
 - Iron Mountain Station Light & Power Electrical Improvements
- Continued preliminary design of the following projects:
 - CRA 230kV Transmission Tower Barrier Improvements
 - CRA Desert Region Security Improvements – Stage 2
 - CRA Pumping Plant Delivery Lines Rehabilitation
 - Hinds Pumping Plant Discharge Valve Platform Replacement
 - Iron Mountain Tunnel Rehabilitation
- CRA 230 kV Transmission Line Rehabilitation and Improvements
 - Continued study of east transmission line
- CRA Main Pump Motor Rehabilitation
 - Continued study to assess 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:

- Complete construction contracts for the following project:
 - CRA Freda Siphon Barrel Number 1 - Internal Seal Installation
- 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 of the following projects:
 - Copper Basin Sodium Hypochlorite Tank Replacement
 - Gene Pumping Plant Unit No. 1 Brushless Motor Exciter System
 - Intake and Gene Pumping Plant Transformer Bushings and Pressure Device Replacements
- 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 Pumping Plant Sump System Rehabilitation
 - CRA Pumping Plant Village Utility Replacement
 - CRA Pumping Plants Main Pump Access Improvements
 - Iron Mountain Station Light & Power Electrical Improvements
- Continue preliminary design of the following projects:
 - CRA 230kV Transmission Tower Barrier Improvements
 - CRA Desert Region Security Improvements – Stage 2
 - CRA Pumping Plant Delivery Lines Rehabilitation
 - Hinds Pumping Plant Discharge Valve Platform Replacement
 - Iron Mountain Tunnel Rehabilitation
- CRA 230 kV Transmission Line Rehabilitation and Improvements:
 - Continue study of east transmission line
- CRA Main Pump Motor Rehabilitation:
 - Continue study to assess rehabilitation options for pump units and their ancillary support systems for all five pumping plants
- Intake Transformer Bank Protection Relays Replacement:
 - Initiate final design

CRA Pumping Plant Sump System Rehabilitation

Total Project Estimate:
\$43.2 million

Total Project Cost to Date:
\$24.4 million

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	70%
Current Phase Authorized	August 2021 ¹
Estimated Completion Date of Current Phase	September 2025

The final design package was submitted for all five CRA pumping plants and review of the final design was in progress. In the upcoming quarter, the final design review will be completed and a construction contract bid will be advertised.



Circulating water and sump pumps at Hinds Pumping Plant

¹ 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 Mar. 2025)
\$9.10 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 (3rd Quarter)

Accomplishments

- Diamond Valley Lake Dam Monitoring System Upgrades
 - Received equipment and began installation
- Garvey Reservoir Rehabilitation
 - Continued final design
- Lake Skinner Dam Drainage System Improvements
 - Issued Notice to Proceed (NTP) for construction
- 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
- Garvey Reservoir Rehabilitation
 - Complete 60% design for outlet tower retrofit
 - Complete 90% design for reservoir liner and floating cover
- Lake Skinner Dam Drainage System Improvements
 - Continue construction
- Lake Skinner Outlet Tower Seismic Upgrade
 - Complete initial set of seismic analysis

Garvey Reservoir Rehabilitation - Stage 1

Total Project Estimate:

\$75.0 million

Total Project Cost to Date:

\$8.4 million

This project will replace the aging reservoir floating cover and liner and refurbish the inlet/outlet tower at the Garvey Reservoir site.

Phase	Final Design
% Complete for Current Phase	70%
Current Phase Authorized	May 2023
Estimated Completion Date of Current Phase	July 2025

The design consultant continued the final design. As the reservoir has been removed from service, staff plans to accelerate design completion and advertisement of this construction contract. In the upcoming quarter, the design consultant will complete 60% final design for outlet tower retrofit and 90% final design for reservoir liner and floating cover. Constructability review will be conducted.



Reservoir floating cover overview at Garvey Reservoir

Distribution System Program

Actual Biennium Expenditures
(Jul. 2024 through Mar. 2025)
\$42.32 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 (3rd Quarter)

Accomplishments

- Completed construction for the following project:
 - Foothill Hydroelectric Power Plant Seismic Upgrade
- Continued construction for the following projects:
 - OC-88 Pump Station Chiller Replacement
 - Perris Valley Pipeline I-215 Tunnel Crossing
 - Rialto Pipeline Rehabilitation at Station 2986+30 and Rehabilitation of Service Connection CB-11
 - San Diego Canal Concrete Liner Replacement – Site 236
 - Santa Monica Feeder Cathodic Protection
- Completed procurement for the following project:
 - Rialto Pipeline Rehabilitation at Station 2986+30 and Rehabilitation of Service Connection CB-11
- 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
 - Foothill Feeder Blowoff Valve Replacement
 - Lakeview Pipeline Relining – Stage 2
 - Orange County Area Pressure Control Structure Globe Valve Replacement
 - San Jacinto Diversion Structure Slide Gates V-01, V-02, V-03, and V-04 Rehabilitation
- Awarded a procurement contract for the following project:
 - Hollywood Tunnel North Portal Control Structure Upgrades

Upcoming Activities

Upcoming work for the next quarter will include:

- Complete construction of the following projects:
 - OC-88 Pump Station Chiller Replacement
 - Rialto Pipeline Rehabilitation at Station 2986+30 and Rehabilitation of Service Connection CB-11
 - San Diego Canal Concrete Liner Replacement – Site 236
- Continue construction activities planned for the following projects:
 - Perris Valley Pipeline I-215 Tunnel Crossing – Shutdown and perform tie-in to existing facility
 - Santa Monica Feeder Cathodic Protection
- Complete procurement for the following projects:
 - Foothill Feeder Blowoff Valve Replacement
 - Lakeview Pipeline Relining – Stage 2
- Continue procurement for the following projects:

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- 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
- Orange County Area Pressure Control Structure Globe Valve Replacement
- San Jacinto Diversion Structure Slide Gates V-01, V-02, V-03, and V-04 Rehabilitation
- Hollywood Tunnel North Portal Pressure Control Structure Upgrades
- Continue final design for the following projects:
 - Auld Valley and Red Mountain Pressure Control Structures Upgrades
 - Hollywood Tunnel North Portal Pressure Control Structure Upgrades

San Diego Canal Concrete Liner Replacement – Site 236

Total Project Estimate:

\$3.0 million

Total Project Cost to Date:

\$2.2 million

This project will remove and replace approximately 11,000 square feet of concrete liner panels and install 24 weepholes along the invert of a section of the canal that is approximately 145 feet long.

Phase	Construction
% Complete for Construction	95%
Construction Contract Award Date	October 2024
Estimated Construction Completion Date	April 2025
Contract Number	2119

The contractor completed 145 feet of concrete liner installation near the interconnection with the Casa Loma Canal. In the upcoming quarter, a notice of completion (NOC) will be filed, and project close-out will begin.



New canal panel concrete placement at Site 236 of San Diego Canal

Drought Mitigation - SWP Dependent Areas Program

Actual Biennium Expenditures
(Jul. 2024 through Mar. 2025)
\$19.99 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 (3rd Quarter)

Accomplishments

- Badlands Tunnel Surge Protection Facility
 - Completed construction of surge tank foundation and began installation of surge tank steel shell
 - Completed shutdown and installation of 144-inch diameter tee at tie-in to Inland Feeder
- Inland Feeder/Rialto Pipeline Intertie
 - Completed installation of 84-inch diameter butterfly isolation valve
 - Completed shutdown and installation of 136-inch diameter tee at tie-in to Rialto Pipeline
 - Completed shutdown and installation of 144-inch diameter tee at tie-in to Inland Feeder
- Inland Feeder/San Bernardino Valley Municipal Water District (SBVMWD) Foothill Pump Station Intertie
 - Continued final design and acquisition of right-of-way and permits
 - Continued procurement of two 54-inch and one 132-inch diameter butterfly valves
- Sepulveda Feeder Pump Stations
 - Continued early procurement of authorized long-lead equipment
 - Continued Phase 1 design under a progressive design-build services agreement and negotiation of a Guaranteed Maximum Price (GMP) for Phase 2
- Wadsworth Pumping Plant Bypass Pipeline
 - Continued site work and installation of electrical components

Upcoming Activities

Upcoming work for the next quarter will include:

- Continue progress on the following projects:
 - Badlands Tunnel Surge Protection Facility: Continue construction
 - Inland Feeder/Rialto Pipeline Intertie: Continue construction
 - Inland Feeder/San Bernardino Valley Municipal Water District (SBVMWD) Foothill Pump Station Intertie: Continue NEPA document preparation, environmental permitting, right-of-way acquisition, and valve procurement
 - Sepulveda Feeder Pump Stations: Continue Phase 1 progressive design-build and negotiation of a Guaranteed Maximum Price (GMP) to complete Phase 2 and continue procurement of long-lead equipment
 - Wadsworth Pumping Plant Bypass Pipeline: Continue construction

Inland Feeder/Rialto Pipeline Intertie

Total Project Estimate:
\$22.1 million
Total Project Cost to Date:
\$19.8 million

This project will construct a 250-foot-long pipe to connect the Inland Feeder to the Rialto Pipeline, including an 84-inch butterfly valve housed within a partially buried structure for isolation, allowing water to be pumped from Diamond Valley Lake (DVL) into the Rialto Pipeline.

Phase	Construction
% Complete for Construction	85%
Construction Contract Award Date	September 2023
Estimated Construction Completion Date	July 2025
Contract Number	2021

Installation of 84-inch butterfly valve and tie-in of bypass pipeline between Inland Feeder and Rialto Pipeline were completed. In the upcoming quarter, construction of ductback from the vault structure to the Department of Water Resources (DWR) block house building facility will be completed.



Installation of reinforcing steel at a valve vault structure deck at the DWR Devil Canyon facility

Information Technology and Control Systems Program

Actual Biennium Expenditures
(Jul. 2024 through Mar. 2025)
\$10.79 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 (3rd Quarter)

Accomplishments

- Control System Upgrade – Phase 4
 - Continued design of spare conduit ductbanks
- Desert Microwave Site Tower Upgrades
 - Awarded construction contract for equipment installation
 - Awarded procurement contract for network equipment
 - Issued Notice to Proceed (NTP) to the contractor
- Emergency Radio Communications Systems Upgrade
 - Continued preparation of request for proposal (RFP)
- Enterprise Content Management Phase II
 - Continued design
- Enterprise Data Analytics
 - Continued developing data requirements and design
- Headquarters Network Switch Replacement
 - Completed equipment installation
- MWD IntraMet Upgrade
 - Began RFP evaluation
- Oracle Database Upgrade
 - Continued database migration
- Real Property Group Business System Replacement
 - Conducted user acceptance testing of financial integration
- WiFi Implementation
 - Awarded a construction contract under GM authority for Los Angeles & Orange County facilities
- WINS Water Billing System Upgrade
 - Continued system upgrade

Upcoming Activities

Upcoming work for the next quarter will include:

- Control System Upgrade – Phase 4
 - Advertise a construction bid package for spare conduit ductbanks
- Desert Microwave Site Tower Upgrades
 - Continue construction for network equipment installation
- Emergency Radio Communication Systems Upgrade
 - Continue preparation of RFP

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- Enterprise Content Management Phase II
 - Continue design
- Enterprise Data Analytics
 - Continue developing system requirements and design
- Headquarters Network Switch Replacement
 - Decommission the old system and initiate project close-out
- MWD IntraMet Upgrade
 - Complete RFP evaluation
- Oracle Database Upgrade
 - Continue database migration
- Real Property Group Business System Replacement
 - Complete integration of the new system with financial system
- WiFi Implementation
 - Conduct post-award job walks for Los Angeles region
 - Advertise construction bid package for Riverside region
- WINS Water Billing System Upgrade
 - Continue system upgrade

Headquarters Network Switch Replacement

Total Project Estimate:
\$2.14 million

Total Project Cost to Date:
\$2.06 million

This project will replace twelve network switches along with associated power supply, fiber optics, and line card. Network switches are components that support the Metropolitan headquarters network backbone and support critical operations and critical systems for Metropolitan's business operations.

Phase	Deployment
% Complete for Current Phase	95%
Current Phase Authorized	February 2023
Estimated Completion Date of Current Phase	June 2025

The transition from the old network switch to the new network switch was completed and the new system is operational. In the upcoming quarter, the old network switch will be decommissioned and project close-out will be completed.



Example of a new network switch

Prestressed Concrete Cylinder Pipe (PCCP) Program

Actual Biennium Expenditures
(Jul. 2024 through Mar. 2025)
\$70.99 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 (3rd Quarter)

Accomplishments

- Second Lower Feeder
 - Reach 3B – In the reporting quarter, the contractor completed installation of 6,086 feet of steel liner and welding, grouting and mortar lining of 6,360 feet of new steel liner, installed three new 48-inch diameter conical plug sectionalizing valves, and rehabilitated one blow-off structure during a shutdown that began December 9, 2024 and is scheduled to end April 25, 2025. The total scope of the project is to reline approximately 3.6 miles of PCCP pipeline from the intertie with Sepulveda Feeder south to Oak Street Pressure Control Structure (PCS) through the cities of Torrance, Los Angeles, and Lomita; and rehabilitate or upgrade appurtenant valves and structures along the pipeline such as air release and vacuum valves, service connection isolation valves, blow-offs, and maintenance holes. To date, all 3.6 miles of PCCP have been relined. Pending work includes completion of appurtenant structure rehab, completion of sectionalizing valve appurtenances, and final testing and disinfection of the completed work.
- 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 – Continued final design and permitting 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, 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.
- Allen-McColloch Pipeline Urgent Relining
 - Stage 1 – Completed construction
 - Stage 2 – Completed construction

Upcoming Activities

Upcoming work for the next quarter will include:

- Second Lower Feeder
 - Reach 3B – Complete work related to the second shutdown including pipe relining and rehabilitation of appurtenances.
- Sepulveda Feeder
 - Reach 1 – Continue final design
 - Reach 2 – Continue final design
 - Reach 9 – Continue final design to rehabilitate 3.8 miles of PCCP
 - North Reach – Continue preliminary design

Second Lower Feeder PCCP Rehabilitation - Reach 3B

Total Project Estimate:
\$105.6 million

Total Project Cost to Date:
\$89.1 million

This project will reline approximately 3.6 miles of the Second Lower Feeder PCCP pipeline with steel liner from the intertie with the Sepulveda Feeder south to Oak Street Pressure Control Structure, through the cities of Torrance, Los Angeles, and Lomita, and replace three 42-inch diameter sectionalizing valves at the intertie with the Sepulveda Feeder with three new 48-inch diameter sectionalizing valves.

Phase	Construction
% Complete for Construction	91%
Construction Contract Award Date	January 2023
Estimated Construction Completion Date	September 2025
Contract Number	2026

The contractor completed the remaining 1.2 miles of steel relining work, installed three 48-inch sectionalizing valves with actuators, and began electrical/control commissioning activities for the valves. In the upcoming quarter, the contractor will complete all shutdown-related work including commissioning of the three 48-inch sectionalizing valves and continue to install electrical, mechanical, and instrument components at the three sectionalizing valve structures.



New 48-inch conical plug sectionalizing valve installation at valve vault 1859+80 in the City of Los Angeles

Water Treatment Plants Program

Actual Biennium Expenditures
(Jul. 2024 through Mar. 2025)
\$49.25 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 (3rd Quarter)

Accomplishments

- Completed construction for the following project:
 - Weymouth Asphalt Pavement Rehabilitation
- Continued construction for the following projects:
 - Diemer Helicopter Hydrant Facility
 - Mills Electrical Upgrades – Stage 2
 - Weymouth Basins Nos. 5-8 & Filter Building No. 2 Rehabilitation
 - Weymouth Hazardous Waste Staging and Containment
- Continued procurement for the following project:
 - Diemer Helicopter Hydrant Facility
- Continued final design for the following projects:
 - Diemer Fluorosilicic Acid Tank Farm Improvements
 - Diemer Filter Rehabilitation
 - Jensen Plant Site Security Upgrades
 - Weymouth Administration Building Upgrades
- Obtained Board approval for final design of the following projects:
 - Jensen Finished Water Reservoir Rehabilitation
 - Mills Finished Water Reservoir Rehabilitation
- Completed preliminary design of the following project:
 - Jensen Solids Mechanical Dewatering Facility
- 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
 - Mills Perimeter Security & Erosion Control Improvements

Upcoming Activities

- Continue construction of the following projects:
 - Diemer Helicopter Hydrant Facility
 - Mills Electrical Upgrades – Stage 2
 - Weymouth Basins Nos. 5-8 & Filter Building No. 2 Rehabilitation
 - Weymouth Hazardous Waste Staging and Containment
- Complete final design for the following projects:
 - Diemer Fluorosilicic Acid Tank Farm Improvements
- Continue final design of the following projects:

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- Diemer Filter Rehabilitation
- Jensen Plant Site Security Upgrades
- Weymouth Administration Building Upgrade

- Execute Board-authorized agreement amendments for final design of the following projects:
 - Jensen Finished Water Reservoir Rehabilitation
 - Mills Finished Water Reservoir Rehabilitation
- Obtain Board authorization for agreement to perform final design of the following project:
 - Jensen Solids Mechanical Dewatering Facility
- 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
 - Mills Perimeter Security & Erosion Control Improvements

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

Total Project Estimate:

\$117.0 million

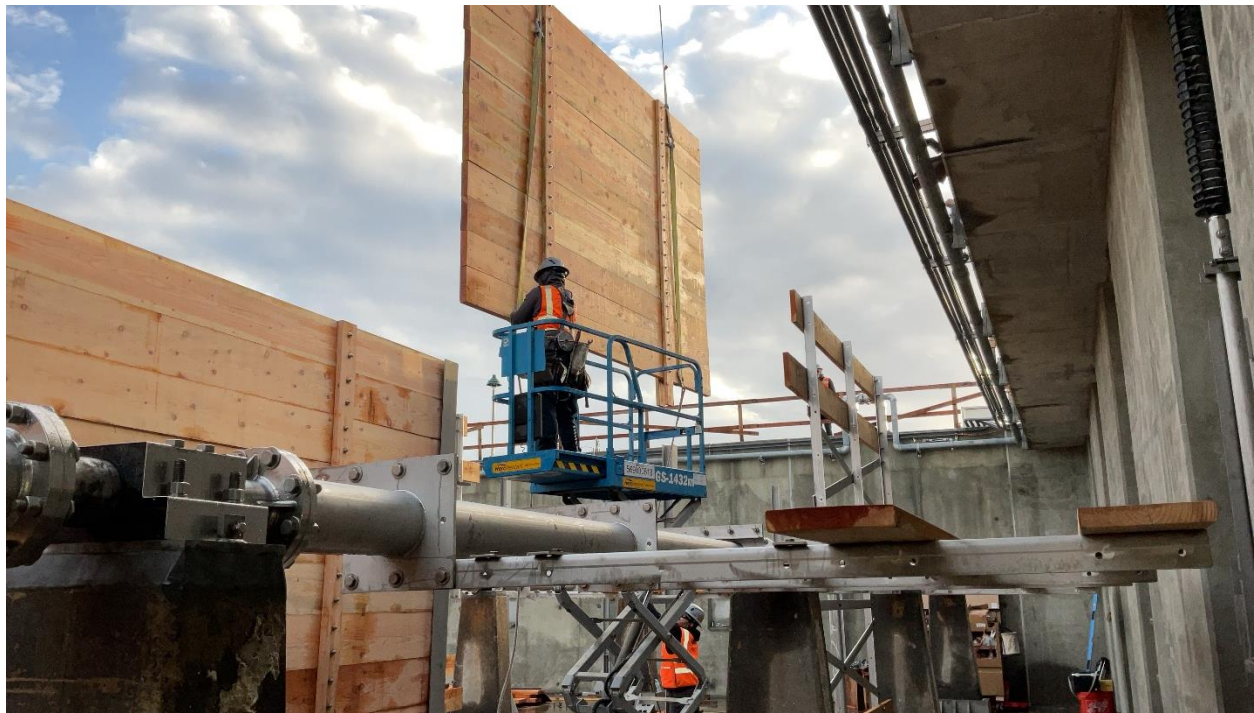
Total Project Cost to Date:

\$106.5 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	93%
Construction Contract Award Date	May 2022
Estimated Construction Completion Date	July 2025
Contract Number	1982

The contractor completed seismic upgrades, mechanical equipment installation, startup testing, and hazardous material abatement within Basins Nos. 5 and 6. The contractor continued with installation of filter valves in Filter Building No.2. In the upcoming quarter, the contractor will install electrical and mechanical equipment in Basins Nos. 1-4 and Filter Building No.2.



Baffle wall forming panel installation at Basin No. 6

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 March 2025)	\$12.4M	\$10.1M	\$8.9M	\$0.2M	\$31.6M
Number of Projects Approved	48	45	50	13	156
Number of Projects Completed (through March 2025)	46	32	7	0	85
Number of Projects with Durations of Over 3 Years	2	10	0	0	12

* Numbers may not sum due to rounding.

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Through March 2025, 85 of the 156 projects approved under the appropriations mentioned above have been completed, and 12 active projects have exceeded three years in duration, as described below.

- 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 complete in 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 December 2025.
- East Valley Feeder Vaults Upgrades Project 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.
- Lake Matthews Mobile Chlorinator Delivery Line Replacement has experienced delays due to expansion/contraction cracks shown after completion of construction, which are being addressed. The project is scheduled to be complete by August 2025.
- Lake Perris Aeration System Diffuser Replacement has experienced delays due to longer than anticipated time for preparation of diving plan and approval by Department of Water Resources. The project is scheduled to be completed by August 2025.
- 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 September 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.
- Sepulveda Feeder Stray Current Drain Station Installation & Rehabilitation has experienced delays due to longer than anticipated time for review/approval of permit applications by the City of Los Angeles and Los Angeles Department of Transportation. Since a future PCCP project will improve the feeder, the minor capital project is scheduled to be canceled in June 2025.
- 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 July 2025.
- Venice Pressure Control Structure Security Upgrades has experienced delays due to longer than anticipated time for procurement of automatic entrance gates. Delivery of gates is underway. The project is scheduled to be completed by July 2025.
- Weymouth Rejection Overflow Structure Security Improvements has experienced delays due to additional security features added to the original project scope after trespassers were detected. The project is scheduled to be completed by July 2025.

Minor Cap Projects, 3rd Quarter

Authorized Projects

Five projects were authorized under the Minor Cap Program during the 3rd Quarter of fiscal year 2024/25 (January through March 2025). The total amount authorized for these projects was \$906,000.

- Auld Valley Pipeline and San Diego (AVSD) Pipelines 1 and 2 Flowmeter Console Replacement – This project will replace obsolete flowmeter consoles at AVSD 1 and AVSD 2 located 2 miles west from the Skinner plant to enhance the reliability of meter reading operation. These meter consoles record water flowing through San Diego Pipelines 1 and 2, which deliver treated water from the Skinner plant to the San Diego County Water Authority. The project budget is \$150,000.
- Diamond Valley Lake Wildflower Trail Plaque Installation – This project will procure and install a plaque at the Diamond Valley Lake wildflower trail in memoriam of Director Judy Abdo. The project budget is \$70,000.
- OC-28 Pressure Control Structure Valve Replacement – This project will replace sixteen air release valves and two isolation valves on the bypass line at the OC-28 Pressure Control Structure, which exceeded their service life. The project budget is \$205,000.
- Skinner Chlorine Injection System Improvements – This project will replace all flexible PVC tubing, pressure gauges, PVC ball valves with Teflon lined tubing, and like-in-kind gauges and valves at all chlorine injection locations at the Skinner plant to enhance the plant chemical system reliability. The project budget is \$286,000.
- Yorba Linda Hydroelectric Power Plant UPS System Upgrade – This project will replace the obsolete 480-Volt UPS system at the Yorba Linda Power Plant to enhance safety and reliability of the plant operation. The project budget is \$195,000.

Completed Projects

Seven projects were completed under the Minor Cap Program during the 3rd Quarter of fiscal year 2024/25 (January through March 2025):

- Diamond Valley Lake (DVL) Sump Pump Level System PCL Replacement
- EM-04A Flow Meter Replacement
- Headquarters SCADA Network Communication Separation
- Live Oak Reservoir Liner Rehabilitation
- Skinner Plant Chemical Flowmeter Replacement
- Skinner Plant No. 1 Filter Access Improvements
- Wadsworth Pumping Plant Lighting Upgrade

Canceled Projects

Four projects were canceled during the 3rd Quarter of fiscal year 2024/25 (January through March 2025):

- CRA Fall Prevention Swing Gates was originally initiated in FYs 2020/21 and 2021/22 minor cap appropriation. The project was canceled to be addressed by the CRA Fall Prevention Swing Gate Installation major capital project.
- CRA Pumping Plant Air Conditioner System Replacement was originally initiated in FYs 2020/21 and 2021/22 minor cap appropriation. The project was canceled to be addressed by the Desert HVAC Replacement – Gene Pumping Plant Administration Building major capital project.
- Jensen Chlorine Railcar Scale was originally initiated in FYs 2020/21 and 2021/22 minor cap appropriation. The project was canceled after a field evaluation determined that the sequence required to install the railcar scales would significantly risk water treatment operations. Therefore, the scales will no longer be installed.

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- Red Mountain V-02 Sleeve Valve Refurbishment was originally initiated in FYs 2022/23 and 2023/24 minor cap appropriation. The project was canceled to be addressed by the Auld Valley and Red Mountain Pressure Control Structures Upgrades major capital project.

Expenditures

Actual biennium expenditures to date (July 2024 through March 2025) for the Minor Capital Projects Program were \$3.76 million.

Project Actions

Table 5 lists capital project actions authorized by the General Manager along with funding allocation amounts during the 3rd Quarter of FY 2024/25, through the authority delegated by the Board in April 2024. The total funding amount authorized during the 3rd Quarter is \$20,321,650 through eighteen 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 3rd Quarter

Project Authorized	Activity Authorized	Amount Authorized for Current Biennium	Total Amount Authorized
Chloramine Booster Station within the Treated Water Distribution System	Initial Study	\$115,000	\$120,000
CIP Budget System Improvements ²	Additional Design, Development, and Deployment	\$0	\$125,000
Covina PCS Rehabilitation – Stage 1	Preliminary Design, Final Design, and Procurement for Stage 1; Installation of 16 Isolation Valves	\$1,914,000	\$1,950,000
CRA Copper Basin Sodium Hypochlorite Tank Replacement	Procurement: Two 15,000-gallon Storage tanks	\$590,000	\$590,000
CRA Eagle Lift & Eagle West Siphon Seismic Improvements	Slope Stability Study	\$740,000	\$740,000
Cyber & IT Governance Risk and Compliance Implementation	Design, Development, and Deployment	\$150,000	\$2,739,000
Desert HVAC Replacement - Gene Pumping Plant Administration Building	Preliminary Design	\$205,000	\$205,000
Diemer Chemical Tank Farm Improvements ³	Additional Final Design	\$250,000	\$250,000
Enterprise IT Software Asset Management	Design, Development, and Deployment	\$50,000	\$605,000
Headquarters HVAC System Rehabilitation	Preliminary Design	\$720,000	\$790,000

² Additional Design, Development, and Deployment authorization was required to procure InVizion software release with enhanced features to support budget development and increase productivity.

³ Additional final design funds were required to enhance plant reliability and meet updated OSHA and design standards including an elevated tank farm platform for safe tank operation.

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Project Authorized	Activity Authorized	Amount Authorized for Current Biennium	Total Amount Authorized
Jensen Finished Water Reservoir Rehabilitation	Final Design	\$3,387,000	\$3,571,000
La Verne Water Quality Laboratory Equipment Replacement	Construction	\$385,000	\$420,000
Lake Skinner Dam Drainage System Improvements	Final Design & Construction	\$1,040,000	\$1,072,000
Mills Finished Water Reservoirs Rehabilitation	Final Design	\$4,583,000	\$4,829,000
San Diego Canal Concrete Liner Replacement - Site 236	Construction	\$2,562,650	\$2,660,000
Sepulveda Canyon Control Facility Water Storage Tanks Seismic Upgrades	PDB Phase 1: Slope Stabilization	\$363,000	\$363,000
Wadsworth Pumping Plant Bypass Pipeline ⁴	Additional Construction	\$1,832,000	\$1,900,000
Weymouth Wheeler Gate Security Improvements ⁵	Additional Final Design	\$1,435,000	\$1,680,000
Total		\$20,321,650	\$24,609,000

Due to changes to the project implementation schedules on the following project, \$4,886,000 was reallocated back to the CIP Appropriation No. 15535 from the previously authorized project listed in Table 6 below. While the reallocation changed the biennial funded amount, the total authorized funding for the project remained the same.

Table 6: General Manager Actions to Reallocate Capital Project Funds

Project Authorized (Title)	Amount Authorized for Reallocation
Zero Emission Fleet Pilot Infrastructure – Stage 2, Phase 1	(\$4,886,000)
Total	(\$4,886,000)

⁴ Additional construction funds were required to install an 84-inch butterfly valve as an owner directed change order to an existing construction contract. Adding the valve installation by change order to the existing contract eliminates an additional shutdown and the costs for preparing, advertising, and administering a second contract. The change order authority for the valve installation was authorized by Metropolitan's Board in August 2024.

⁵ Additional final design funds were required to incorporate design modifications to meet Metropolitan's latest security and safety standards, and the plant's current truck traffic routing and inspection protocols.

CEQA Determinations

Table 7 lists CEQA exemption determinations made by the General Manager during the 3rd 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
Hinds & Eagle Mountain Pumping Plants Utilities
Jensen Fluorosilicic Acid Storage Tank Replacement
Mills Plant Control System Upgrade
Wifi Upgrade at Los Angeles and Orange County Sites

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. Total contract earnings for the 3rd Quarter were approximately \$40.10 million.

Table 8: 3rd Quarter Contract Actions

Contract Actions during Q3 for FY 2024/2025, January 2025 through March 2025	
Contracts Awarded by Board	2 construction contracts totaling \$4.49 million 2 procurement contracts totaling \$2.47 million ^{6, 7}
Total Payments Authorized ⁸	\$40.10 million
Construction Contracts Completed	Notices of Completion were filed for 5 construction contracts (Table 9)
Procurement Contracts Completed	No procurement contract was completed
Active Contracts at end of Q3 ⁹	24 construction contracts, totaling \$421.33 million (Table 10) 20 procurement contracts, totaling \$79.97 million (Table 11) \$501.30 million total value*

*Numbers may not sum due to rounding.

The figures on the next two pages show the locations of the twenty-four construction contracts that were active through the end of the 3rd Quarter.

⁶ Excludes \$1,531,044 procurement contract awarded 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.

⁷ Excludes \$407,741 procurement contract awarded to Ireland Inc. (dba Core-Rosion Products) to furnish two 15,000-gallon sodium hypochlorite tanks for the Copper Basin Reservoir which has not been executed.

⁸ Includes payments for O&M work under CIP contracts and grant-funded drought mitigation contracts.

⁹ Active contracts at the end of the 3rd Quarter are those that are ongoing at the end of March 2025 and have not filed Notice of Completion with the county where the work was performed.

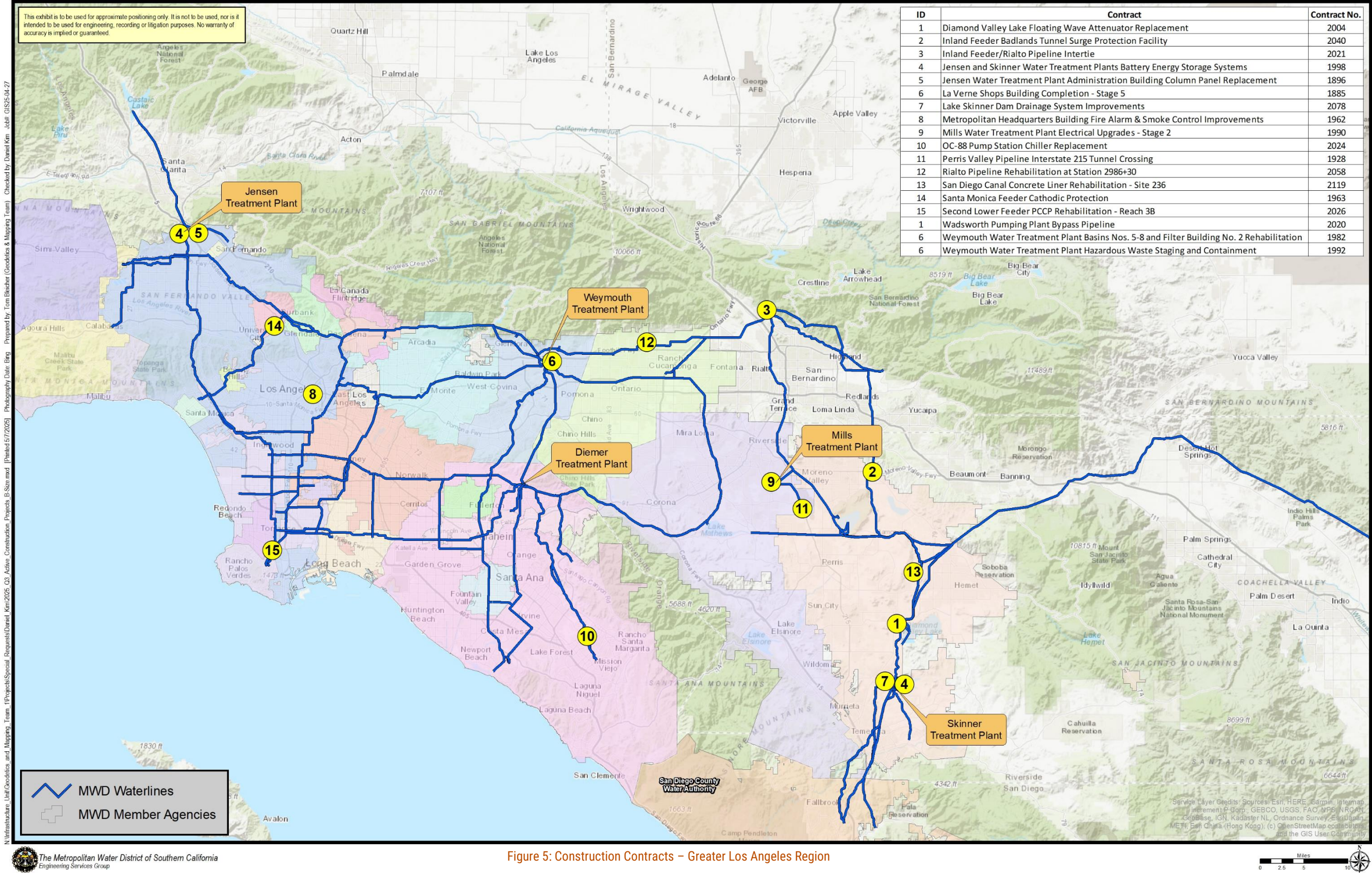
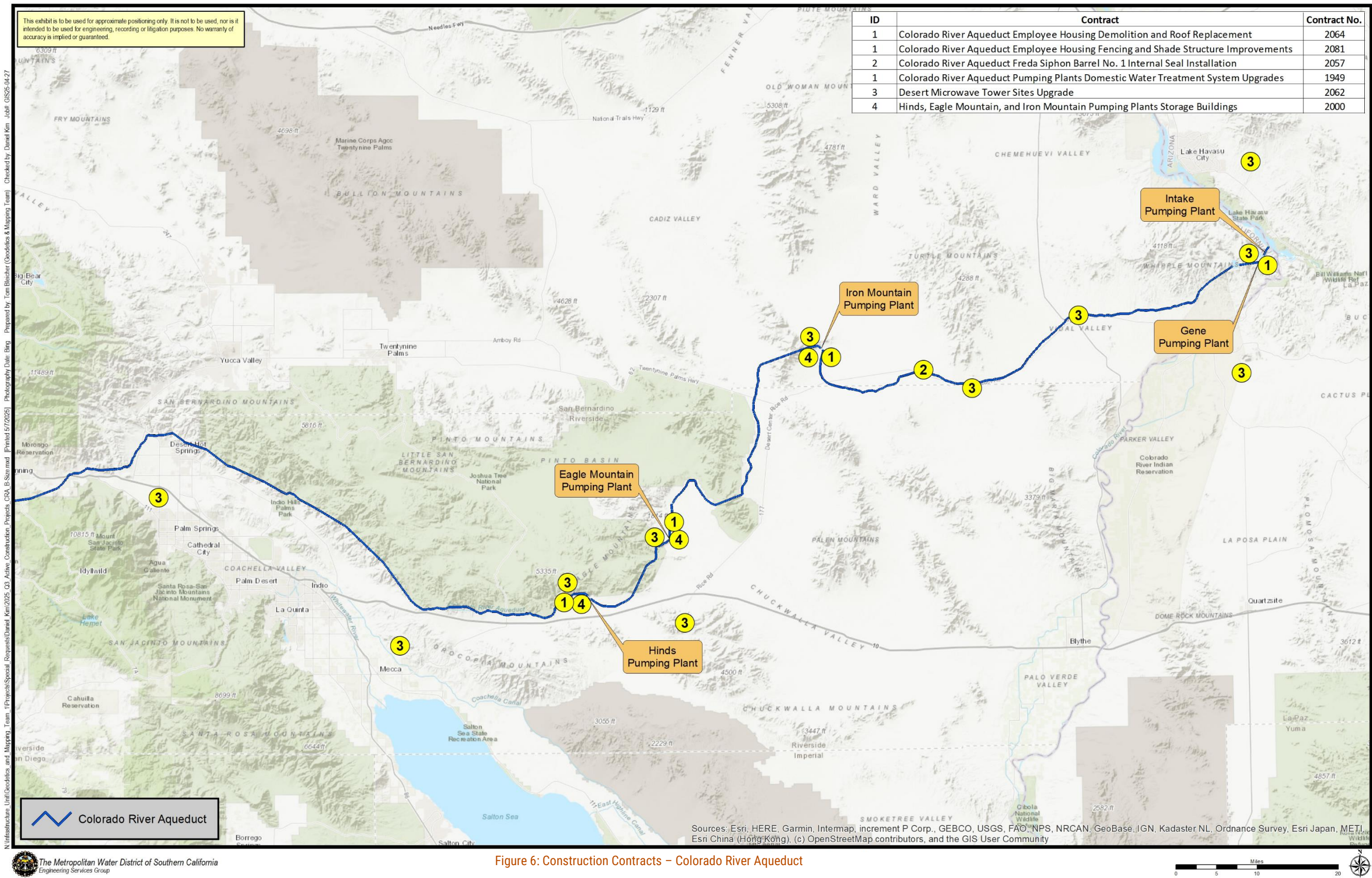


Figure 5: Construction Contracts – Greater Los Angeles Region



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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 3rd Quarter, the Board did not authorize any increase to the General Manager's change order authority.

Notices of Completion during 3rd Quarter:

The following table shows the five board-awarded construction contracts for which Metropolitan accepted the contract as completed during the 3rd Quarter of FY 2024/25 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 %
1909	Gene Pumping Plant Pilot Security Improvements	1/16/2025	\$295,562	\$295,562	\$0	0%
1999	Foothill Hydroelectric Power Plant Seismic Upgrade	3/27/2025	\$6,174,000	*	*	*
2014	Weymouth Plant Battery Energy Storage System	1/31/2025	\$6,176,521	\$6,336,521	\$160,000	2.6%
2042	CRA Conveyance System Solar Level Sensor Installation	2/13/2025	\$5,266,000	\$5,220,257	(\$45,743)	(0.9%)
2108	Allen-McColloch Pipeline PCCP 2024 Urgent Relining	3/25/2025	\$24,912,000	*	*	*
Totals:			\$42,824,083			

For the 3rd Quarter, the total bid amount of the completed construction contract was approximately \$42.8 million.

For Contract Nos. 1999 and 2108, although NOCs were filed during the reporting quarter, the final contract cost and change order amount have not yet been finalized due to outstanding pending issues. The finalized information will be included in a future CIP quarterly report.

For Contract No. 2003 – Metropolitan Headquarters Building Exterior Physical Security Upgrades, the NOC filing was reported in the CIP Quarterly Report for 2nd quarter of FY2024/25. 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 reporting quarter. The final contract cost is \$2,348,436, including the final change order amount of \$183,436, which resulted in a change order percentage of 8.5%. The bulk of the changes resulted from differing site conditions, such as unforeseen cement slurry that interfered with installation of new protective bollards, and survey data from the original building construction that did not correspond with actual field conditions.

For Contract No. 2018 – Weymouth Treatment Plant Asphalt Refurbishment, the NOC filing was reported in the CIP Quarterly Report for 2nd quarter of FY2024/25. 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 reporting quarter. The final contract cost is \$1,902,653, including the final change order amount of \$148,653, which resulted in a change order percentage of 8.5%. The change order was necessary due to owner directed change order to accommodate unforeseen subgrade conditions.

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Final contract costs shown represent actual earnings as of the end of the quarter 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 (April 2024 through March 2025) is 4.70 percent¹⁰.

¹⁰ Original amount of construction contracts completed (April 2024 through March 2025) = \$87,928,146
Change orders for completed construction contracts (April 2024 through March 2025) = \$4,134,565
Change order percentage (April 2024 through March 2025) = 4.70%

The rolling average of change orders includes change order work to complete Allen-McColloch Pipeline PCCP 2024 Urgent Relining - Stage 1 as part of Contract No. 2088 - Sepulveda Feeder CFRP Urgent Relining. The rolling average of change orders is 3.39 percent if Contract No. 2088 is excluded.

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The table on this page lists the 24 ongoing construction contracts through the end of the 3rd Quarter. This list contains construction contracts awarded by the Board.

Table 10: Active Construction Contracts at the End of 3rd Quarter

	Cont. No.	Contract Title	Contractor	Contract Amount ¹¹	Earnings Through Mar. 2025 ¹²	Start Date	Est. Completion Date	Est. Percent Complete
1	1885	La Verne Shops Building Completion – Stage 5 ¹³	Woodcliff Corporation, Inc.	\$19,580,047	\$19,151,547	6/10/22	8/25	98%
2	1896	Jensen Admin. Bldg. Entrance Glass Fiber Reinforced Concrete Panels Replacement ¹³	MMJ Contracting, Inc.	\$281,900	\$195,898	7/14/23	7/25	69%
3	1928	Perris Valley Pipeline Interstate 215 Tunnel Crossing ^{13, 14}	James W. Fowler, Company	\$61,240,208	\$59,778,651	2/13/23	7/25	98%
4	1949	Colorado River Aqueduct Pumping Plants Domestic Water Treatment System Replacement ¹³	J.F. Shea Construction, Inc.	\$33,346,737	\$14,875,358	1/20/22	4/26	45%
5	1962	MWD HQ Building Fire Alarm & Smoke Control Improvements ¹³	Bernards Bros. Inc.	\$14,355,588	\$13,202,588	9/24/20	4/25	92%
6	1963	Santa Monica Feeder Cathodic Protection ¹³	Exaro Technologies Corporation	\$897,469	\$469,618	7/10/24	7/25	52%
7	1982	Weymouth Water Treatment Plant Basins Nos. 5-8 & Filter Building No. 2 Rehabilitation	J.F. Shea Construction, Inc.	\$96,249,520	\$89,862,467	6/10/22	7/25	93%

¹¹ 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.

¹² Earnings reported in this table are the total contract earnings as they are known to be at the end of the reporting quarter.

¹³ Granting of additional working days to complete construction is being considered.

¹⁴ Indication of Project Labor Agreement (PLA) project awarded by the Board.

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	Cont. No.	Contract Title	Contractor	Contract Amount ¹¹	Earnings Through Mar. 2025 ¹²	Start Date	Est. Completion Date	Est. Percent Complete
8	1990	Henry J. Mills Water Treatment Plant Electrical Upgrades, Stage 2 ¹³	CSI Electrical Contractors, Inc.	\$9,532,082	\$9,368,782	12/13/21	6/25	98%
9	1992	Weymouth Water Treatment Plant Hazardous Waste Staging and Containment ¹³	J.F. Shea Construction, Inc.	\$2,434,633	\$1,812,421	3/12/24	7/25	74%
10	1998	Jensen and Skinner Water Treatment Plants Battery Energy Storage Systems	Ameresco, Inc.	\$11,604,521	\$10,164,015	10/7/21	9/25	88%
11	2000	Hinds, Eagle Mountain, and Iron Mountain Pumping Plants Storage Buildings ¹⁴	J. F. Shea Construction, Inc.	\$16,490,000	\$10,973,508	7/31/23	4/26	67%
12	2004	DVL Floating Wave Attenuator Replacement ¹⁴	Power Engineering Construction Co.	\$7,842,856	\$3,519,645	3/12/24	10/25	45%
13	2020	Wadsworth Pumping Plant Bypass Pipeline ^{14, 15}	Steve P. Rados, Inc.	\$15,226,950	\$14,465,583	2/2/23	7/25	95%
14	2021	Inland Feeder/Rialto Pipeline Intertie ^{14, 15}	Steve P. Rados, Inc.	\$15,719,035	\$13,337,185	10/16/23	7/25	85%
15	2024	OC-88 Pump Station Chiller Replacement ¹³	Mehta Mechanical Co., Inc. dba MMC Inc.	\$2,654,000	\$2,605,750	6/6/22	6/25	98%

¹⁵ This contract is funded by a state grant administered by DWR.

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	Cont. No.	Contract Title	Contractor	Contract Amount ¹¹	Earnings Through Mar. 2025 ¹²	Start Date	Est. Completion Date	Est. Percent Complete
16	2026	Second Lower Feeder PCCP Rehabilitation - Reach 3B ^{14, 16}	J.F. Shea Construction, Inc.	\$80,740,415	\$73,835,950	2/13/23	9/25	91%
17	2040	Inland Feeder Badlands Tunnel Surge Protection Facility ^{14, 17}	Steve P. Rados, Inc.	\$18,847,403	\$14,927,873	12/11/23	7/25	79%
18	2057	CRA Freda Siphon Barrel No.1 Internal Seal Installation	Miller Pipeline, LLC	\$3,895,000	\$3,895,000	10/9/23	4/25	100%
19	2058	Rialto Pipeline Rehabilitation at Station 2986+30	J.F. Shea Construction, Inc.	\$2,197,460	\$2,187,560	8/2/24	4/25	100%
20	2062	Desert Microwave Communication Tower Site Upgrades	MasTec Network Solutions LLC	\$2,556,478	\$0	3/27/25	2/26	0%
21	2064	Colorado River Aqueduct Employee Housing Demolition and Roof Replacement	Resource Environmental, Inc.	\$1,285,000	\$681,375	10/2/24	7/25	53%
22	2078	Lake Skinner Dam Perimeter Drainage Improvements	Heed Engineering	\$588,000	\$68,000	1/10/25	9/25	12%
23	2081	CRA Employee Housing Fencing and Shade Structure Improvements	Fencecorp, Inc.	\$1,931,217	\$0	4/3/25	11/25	0%

¹⁶ Change order for Allen-McColloch Pipeline PCCP 2024 Urgent Relining – Stage 1 is included in the contract amount shown in this table.

¹⁷ This contract is partially funded by a state grant administered by DWR.

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	Cont. No.	Contract Title	Contractor	Contract Amount ¹¹	Earnings Through Mar. 2025 ¹²	Start Date	Est. Completion Date	Est. Percent Complete
24	2119	San Diego Canal Rehabilitation – Site 236	Power Engineering Construction Co	\$1,833,650	\$1,745,845	11/4/24	4/25	95%
Total contract value for active construction contracts:				\$421,330,170				

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The following table lists the 20 ongoing procurement contracts at the end of the 3rd Quarter.

Table 11: Active Procurement Contracts at the End of 3rd Quarter

	Cont. No.	Contract	Contractor	Contract Amount ¹⁸	Earnings Through Mar. 2025 ¹⁹	Start Date	Est. Delivery Completion Date	Est. Percent Complete ²⁰
1	1867	Furnishing Butterfly Valves for the Weymouth Water Treatment Plant – Schedule 1 ²¹	Crispin Valve, LLC	\$5,066,975	\$3,769,482	12/18/17	7/25	74%
2	1912	Furnishing Large-Diameter Conical Plug Valves	Ebara Corporation	\$23,750,060	\$23,012,149	12/24/18	D ²²	97%
3	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 ²²	99%
4	1955	Furnishing Membrane Filtration Systems for the CRA Domestic Water Treatment Systems	Wigen Water Technologies	\$1,380,556	\$1,238,807	5/28/20	7/25	90%
5	1965	Furnishing Equipment for the Jensen Ozone Power Supply Units Upgrades	Suez Treatment Solutions, Inc.	\$4,141,194	\$3,616,396	3/30/20	D ²²	87%
6	2002	Furnishing Steel Liner for Lakeview Pipeline ^{16, 23}	Northwest Pipe Company	\$23,565,941	\$7,958,731	12/14/23	5/25	34%
7	2022	Furnishing Butterfly Valves for the Wadsworth Bypass Pipeline, Inland Feeder-Rialto Pipeline Intertie, and Badlands Tunnel Isolation Surge Tanks	Sojitz Machinery Corp. of America	\$5,647,405	\$5,634,584	10/3/22	D ²²	99%
8	2028	Furnishing Slide Gates for the San Jacinto Diversion Structure ²³	Whipps, Inc.	\$820,853	\$0	12/8/22	6/25	0%

¹⁸ 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.

¹⁹ Earnings reported in this table are the total contract earnings as they are known to be at the end of the reporting quarter.

²⁰ 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.

²¹ 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.

²² All items were delivered prior to this reporting quarter but the contract remains open pending use of manufacturer field services.

²³ Granting of additional working days to complete procurement is being considered.

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	Cont. No.	Contract	Contractor	Contract Amount ¹⁸	Earnings Through Mar. 2025 ¹⁹	Start Date	Est. Delivery Completion Date	Est. Percent Complete ²⁰
9	2029	Furnishing Slide Gates for East Lake Skinner Bypass Channel	Whipps, Inc	\$892,552	\$0	4/10/24	11/25	0%
10	2048	Furnishing Butterfly Valves for the Inland Feeder/SBVMWD Foothill Pump Station Intertie - Schedule 1	Sojitz Machinery Corp. of America	\$2,601,437	\$0	6/15/23	7/25	0%
11	2056	Furnishing a Brushless Motor Exciter System for Gene Pumping Plant Unit No. 1	WEG Electric	\$544,501	\$0	5/27/24	12/25	0%
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	2142	Furnishing Construction Materials and Installing Reinforcing Steel at Diemer Plant ²³	Heed Engineering	\$503,942	\$333,537	11/4/24	5/25	66%
17	PO 214904	Furnishing Two Butterfly Valves for the Lake Skinner Outlet Tower Valve Replacement	B&K Valves and Equipment, Inc.	\$1,174,475	\$0	6/13/23	6/25	0%
18	PO 214941	Furnishing Air Release and Vacuum Valves for San Diego Pipeline Nos. 3 and 5 ²³	B&K Valves and Equipment, Inc.	\$1,466,665	\$0	6/13/23	5/25	0%
19	PO 219501	Furnishing of Five Globe Valves to be Installed at Four Pressure Control Structures in the Orange County Region	B&K Valves and Equipment, Inc.	\$698,000	\$0	12/5/23	8/25	0%

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	Cont. No.	Contract	Contractor	Contract Amount ¹⁸	Earnings Through Mar. 2025 ¹⁹	Start Date	Est. Delivery Completion Date	Est. Percent Complete ²⁰
20	PO 219516	Furnishing Plug Valves for the Foothill Feeder and Rialto Pipeline ²³	Caasi Flow Control	\$549,592	\$0	2/15/24	4/25	0%
Total contract value for active procurement contracts:				\$79,966,401				

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 ²⁴	Metric	Actual Cost of Metric	Construction Cost	Target Range	Actual %
Desert Microwave Tower Sites Upgrade	Final Design	\$739,986	\$10,027,145	9% to 12%	7.4%
CRA Conveyance System Solar Level Sensor Installation	Inspection	\$420,396	\$5,774,190	9% to 12%	7.3%
Weymouth Plant Battery Energy Storage System	Inspection	\$523,191	\$6,489,270	9% to 12%	8.1%
Average	Final Design				7.4%
	Inspection				7.7%

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

Project	Metric	Actual Cost of Metric	Construction Cost	Target Range	Actual %
CRA Employee Housing Fencing and Shade Structure Improvements	Final Design	\$30,135	\$1,971,217	9% to 15%	1.5%
Gene Pumping Plant Pilot Security Improvements	Inspection	\$21,457	\$299,301	9% to 15%	7.2%
Average	Final Design				1.5%
	Inspection				7.2%

²⁴ Although an NOC was filed for the Allen-McColloch Pipeline PCCP 2024 Urgent Relining construction contract, the final contract cost and change order amounts had not yet been finalized due to outstanding pending issues. The actual inspection was determined to be approximately 5.2% of the construction costs using the best information available at the end of the reporting quarter, which is below the target range.

Although an NOC was filed for the Foothill Hydroelectric Power Plant Seismic Upgrade construction contract, the final contract cost and change order amounts had not yet been finalized due to outstanding pending issues. The actual inspection was determined to be approximately 9.6% of the construction costs using the best information available at the end of the reporting quarter, which is within the target range.

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 (January through March 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 3rd Quarter of FY 2024/25 (January through March 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 March 2025 (\$1,000's)	Biennium to Date Planned Expenditures (\$1,000's)	Biennium Actual Expenditures (\$1,000's)
Additional Facilities and Systems	\$335,861	\$305,817	\$14,860	\$16,572
Climate Adaptation	\$262,888	\$234,724	\$6,630	\$13,134
Colorado River Aqueduct	\$608,954	\$533,313	\$35,850	\$35,604
Dams & Reservoirs	\$163,958	\$136,024	\$22,740	\$9,096
Distribution System	\$918,570	\$821,137	\$46,350	\$42,321
Drought Mitigation - SWP Dependent Areas	\$134,144	\$85,392	\$29,240	\$19,992
Information Technology & Control Systems	\$276,011	\$245,122	\$15,920	\$10,790
Minor Capital Projects	\$109,489	\$87,997	\$6,370	\$3,755
Prestressed Concrete Cylinder Pipe	\$535,761	\$469,149	\$10,430	\$70,990
Water Treatment Plants	\$2,532,000	\$2,456,326	\$47,020	\$49,248
Total CIP	\$5,877,636	\$5,375,001	\$235,410	\$271,501

Notes on the above table:

- Numbers may not sum due to rounding.
- Numbers are based on the general ledger information downloaded on 4/9/2025.

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